€ 19.-

RAD BOOK 2017

The Guide to Imaging
Technology and Informatics in Europe

• IT • CT • MRI • Interventional • Mammo • R/F • Nuc • Displays/Printers
• Ultrasound • Injectors • Testing Devices

More precise diagnostics, low dose and accustomed workflow: Based on dual layer detector technology the IQon Spectral CT from Philips opens up new dimensions in CT imaging.

IT-SOLUTIONS

	Management			Archiving
	RIS	**Small Business PACS**	**Enterprise PACS**	**Cardiology PACS**
AGFA HealthCare	Orbis RIS	Impax	Impax	Impax for Cardiology
DelftDI A CANON COMPANY	ZillionRIS	ZillionArchive with ZillionRead	ZillionArchive with ZillionRead	ZillionArchive with ZillionRead
CHILI Digital Radiology		CHILI Modality PACS	CHILI PACS	CHILI PACS
ebit an Esaote Group Company	Suitestensa RIS	Suitestensa PACS	Suitestensa PACS	Suitestensa CVIS
EDL	Xplore Web Xplore Analytics Xplore Nuclear medicine	Xplore PACS Solution	Xplore PACS Solution	
etiam One-Click Telemedicine		ETIAM MACS	ETIAM MACS	ETIAM MACS
GE Healthcare	Centricity RISi with eRadCockpit	Centricity PACS with Universal Viewer	Centricity PACS with Universal Viewer	Centricity PACS with Universal Viewer
IMAGE Information Systems	iQ-RIS	MED-TAB	iQ-SYSTEM PACS	
i-SOLUTIONS HEALTH	RadCentre RadCentre Analytics	RadCentre Multi-PACS Integration	RadCentre Multi-PACS Integration	
itz-medi.com PACS & Telemedizin	ITZ Hyper.RIS	ITZ Hyper.ePACS	ITZ Hyper.PACS	ITZ Hyper.PACS
KONICA MINOLTA		Acies ImagePilot	Acies	
Vector medi CAD GmbH				
bender gruppe medigration	WinRadiolog RIS	ImageBroker XS	ImageBroker	ImageBroker
PHILIPS		IntelliSpace PACS	IntelliSpace PACS	IntelliSpace cardiovascular Xcelera
PROTEC TEAM | SPIRIT | ABILITY		CONAXX 2 and PROPAXX		
SIEMENS Healthineers		PACS *syngo*.plaza	PACS *syngo*.plaza VNA *syngo*.share eHealth	Cardiovascular Imaging and Information Solution / *syngo* Dynamics

Image Distribution

Long Term	Multimedia	Inhouse	Teleradiology	Portal Solution	Cloud Computing Application
ICIS VNA	ICIS HYDMedia	ICIS Enterprise Imaging Suite Xero Viewer	ICIS Enterprise Imaging Suite Xero Viewer	ICIS	ICIS
ZillionVNA with ZillionRead	ZillionVNA with ZillionRead	ZillionArchive with ZillionRead	ZillionArchive with ZillionRIS and ZillionRead	ZillionPortal	ZillionArchive with ZillionRead
CHILI PACS	CHILI PACS	CHILI/Web	CHILI/Web	CHILI/Telemedicine Record	OmniPACS
Suitestensa Archive	Suitestensa	Suitestensa Web Suitestensa Mobile	Suitestensa Web Suitestensa Mobile	Suitestensa Web	Suitestensa Web Suitestensa Mobile
Xplore PACS Solution	Xplore PACS Solution	Xplore Web	Xplore Web	Xplore Web	Xplore Web
	ETIAM MACS ETIAM Paper Printing Solution		ETIAM Connect	ETIAM Web Diffusion ETIAM Connect	ETIAM Web Diffusion ETIAM Connect
Centricity PACS with Universal Viewer	Centricity Clinical Archive (VNA L1-L4, XDS Repository)	Centricity PACS with Universal Viewer Zero Footprint	Centricity PACS with Universal Viewer Zero Footprint, Centricity 360	Centricity RIS with eRadCockpit, Centricity 360	Centricity 360
		MED-TAB	MED-TAB	MED-TAB	MED-TAB
RadCentre Archiving Solution	RadCentre Archiving Solution	Health Relations RC	Health Relations RC	Health Relations RC	RadCentre as a Service
ITZ Hyper.ARC	ITZ Hyper.PACS ITZ Hyper.WEB	ITZ Hyper.PACS ITZ Hyper.WEB ITZ Hyper.mView	ITZ Hyper.TELEMED ITZ Hyper.COM Dicom2Mail-Module ITZ Hyper.mView	ITZ Hyper.WEB ITZ Hyper.TELEMED ITZ Hyper.COM / ITZ Hyper.UP ITZ Hyper.mView	ITZ Hyper.PACS Telearchive ITZ Hyper.WEB Cloud ITZ Hyper.ARC Cloud ITZ DicomCloud.de
Acies ImagePilot	Acies ImagePilot	Acies ImagePilot	Acies ImagePilot		
					mediCAD.cloud
ImageBroker	ImageBroker	ImageWeb	webConnect	PraxisPortal	PraxisPortal App
IntelliSpace PACS	IntelliSpace PACS	IntelliSpace PACS IntelliSpace PACS Anywhere Enterprise	IntelliSpace PACS Radiology	IntelliSpace PACS	
PACS *syngo*.plaza VNA *syngo*.share eHealth	PACS *syngo*.plaza VNA *syngo*.share eHealth	PACS *syngo*.plaza VNA *syngo*.share eHealth	PACS *syngo*.plaza VNA *syngo*.share eHealth	PACS *syngo*.plaza	teamplay PACS *syngo*.plaza VNA *syngo*.share eHealth

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SAMSUNG

Dear Reader,

medical imaging is developing by leaps and bounds. Now, that most radiology departments are equipped with digital modalities and networked, the next task is to analyse the data and to transform them into information that really advances diagnosis and therapy.

Big Data, business analytics, machine learning und artificial intelligence – these imaging buzzwords finally direct our attention beyond the number of detector rows and towards the crucial advantages of digital radiology.

Countless local data silos are slowly but surely turning into networked cloud solutions. An estimated 500 million gigabyte data are generated in medical imaging every year. In five years the volume is expected to have risen to 25 exabyte. IBM's Watson can carry out more than 80 trillion operations per second, analysing enormous data volumes in lightning speed. A state-of-the-art radiology system can generate standard readings faster than the human radiologist. Nevertheless, a validated data pool is – and will remain – the precondition for any reliable automated diagnosis. Even artificial intelligence systems need knowledgeable controls, i.e. verification of the machine-made diagnoses. Consequently, the significance of radiology within healthcare will continue to increase. And look at it this way: if in the future 70 percent of the "simple" readings will be done much quicker the radiologists will have much more time to handle complex cases.

Your editorial team

Daniela Zimmermann and **Guido Gebhardt**

CONTENTS

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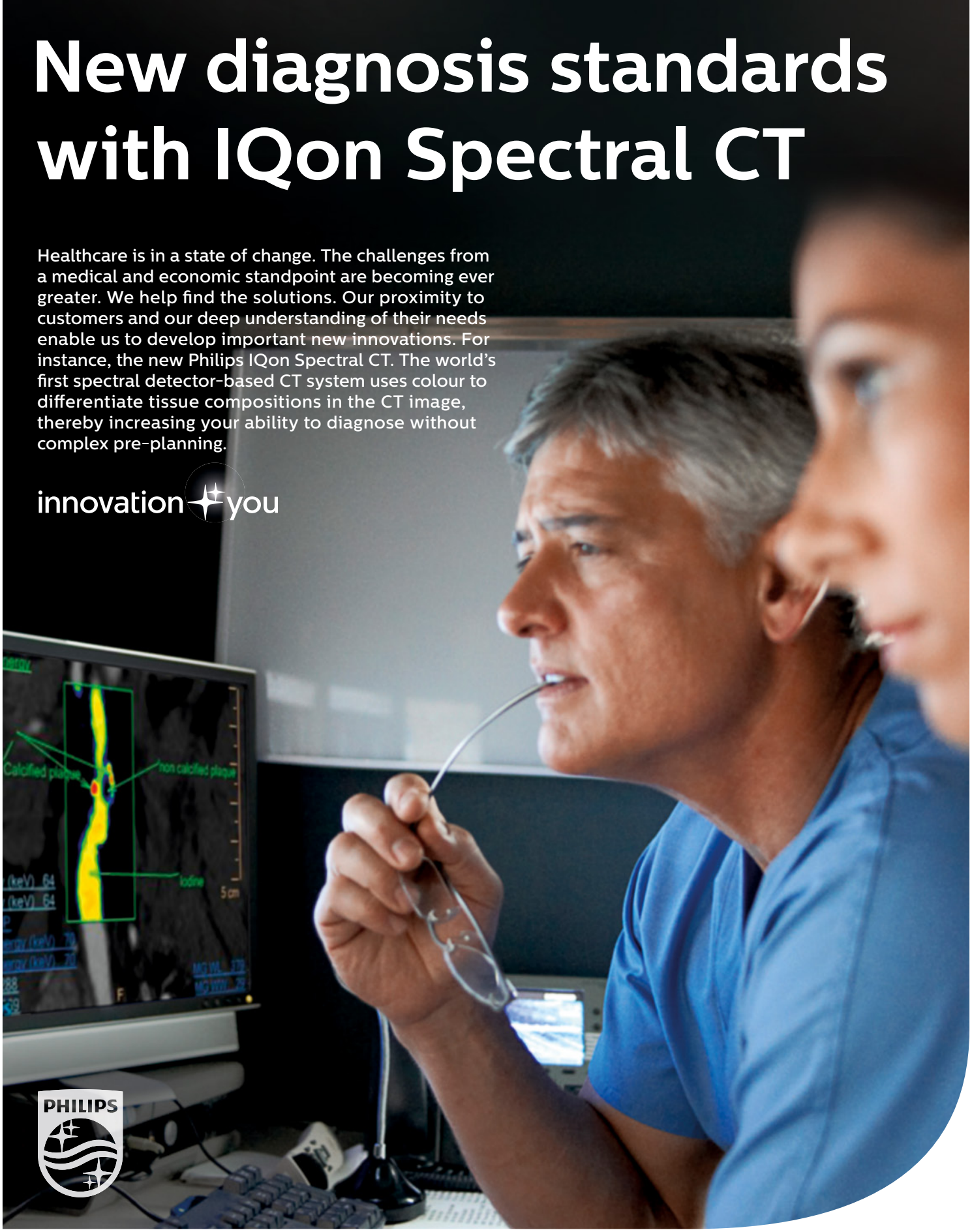
New diagnosis standards with IQon Spectral CT

Healthcare is in a state of change. The challenges from a medical and economic standpoint are becoming ever greater. We help find the solutions. Our proximity to customers and our deep understanding of their needs enable us to develop important new innovations. For instance, the new Philips IQon Spectral CT. The world's first spectral detector-based CT system uses colour to differentiate tissue compositions in the CT image, thereby increasing your ability to diagnose without complex pre-planning.

innovation + you



PHILIPS

Find out more at:
www.philips.com/spectralct

PHILIPS

Computed Tomography

Dual Source

Volume CT

20 to 64 Slices

2 to 16 Slices

Oncology CT

Conebeam CT

Accessories / Complementary Systems

DOTmed®

iae

DUNLEE
A Division of Philips Healthcare

GE Healthcare

Cone Beam 3D Imaging
NewTom
what's next

GCTechnology GmbH

Planmed

HITACHI
Inspire the Next

PHILIPS

LEONI

SIEMENS
Healthineers

TOSHIBA

VAREX IMAGING

VILLA

DUAL SOURCE CT

Siemens Healthineers · SOMATOM Force

Slices per rotation 384 (2 x 192)
Power Up to 2,600 mA (2 x 1,300 mA)
Scan speed Up to 737 mm / sec
Gantry bore Up to 80 cm

Highlights
- Kidney-friendly scanning with significantly reduced contrast media amounts required (low kV imaging)
- Low dose early detection with up to 50 % dose reduction
- "Free-breathing" CT with outstanding native temporal resolution
- Fastest scan mode with the Turbo Flash spiral and a temporal resolution of 66 ms
- Precise dose neutral Energy quantification to add tissue information to morphology

Siemens Healthineers · SOMATOM Definition Flash

Scan speed Up to 458 mm/sec
Power 200 kW (2 x 100 kW)
Temporal resolution 75 ms (full body)
Dual Energy Yes

Highlights
- FAST CARE technology for workflow optimization (like FAST DE Results, FAST 3D align etc)
- Stellar detector for optimized low dose imaging and increased spatial resolution
- Split-second thorax imaging: avoiding breath-hold or sedation in pediatric patients
- Simple low dose – all heart-scanning, without heart rate control, stability or patient size limitations

VOLUME CT

Siemens Healthineers · SOMATOM Drive

Scan speed Up to 458 mm/sec
Power 200 kW (2 x 100 kW)
Temporal resolution 75 ms (full body)
Dual Energy Yes

Highlights
- Tin Filters – a new level of CARE, bring CT doses to those expected in a routine X-ray series
- Straton MX Sigma X-ray tube with High Power 70 & 80 enables lower doses with consistent image quality
- 10 kV Steps allow for the most precise dose values for every single patient
- Touch Panels with scan selection and ECG monitoring next to the patient

GE Healthcare · Revolution CT

Slices per rotation 512
Spatial resolution 0.23 mm
Power 103 kW

Highlights
- Gemstone Clarity Detector for 80 or 160 mm detector coverage
- Unique image chain hardware with Volume HD reconstruction
- ASiR-V – up to 82 % lower dose*
- Best effective temporal resolution enabled by 0.28-second rotation speed combined with intelligent motion correction for excellent cardiac imaging at any heart rate
- Aorta, heart and lung in just 1 sec

** Compared to prior generation*

GE Healthcare · Revolution HD

Slices per rotation 128 to 256
Spatial resolution 0.23 mm
Power 100 kW

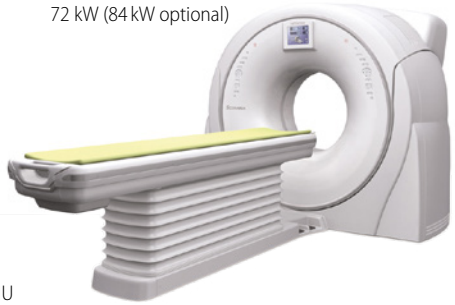
Highlights

Revolution HD can reach any part of the body of virtually any patient and perform both generalized and specialized clinical applications, including:
- Gemstone Spectral Imaging – quantitative dual-energy CT
- Cardiac GSI
- Neuro imaging – Revolution HD ensures ample coverage to perform perfusion studies of the entire brain
- Gemstone detector – highest spatial resolution (0.23 mm)*
- SmartMAR – rawdatabased metal artifact reduction
- ASiR-V – up to 82 % lower dose*

** Compared to prior generation*

Hitachi · SCENARIA

Slices per rotation 64 / 128
Spacial resolution 17.1 Lp / cm
Power 72 kW (84 kW optional)



Highlights
- X-ray tunbe: 7.5 MHU
- Minimum scan time for all types of examination: 0.35 seconds
- Minimum slice thickness: 0.625 mm
- Open design concept with aperture diameter of 750 mm
- Unique laterally moving patient table
- New algorithms for iterative reconstruction: Intelli IP Advanced
- 475 mm wide patient table with weight limit of 230 kg

VOLUME CT

Philips · iCT

Slices per rotation 256 / 128
Coverage 80mm / 40 mm
Power 120 kW / 100 kW

Highlights
- iPatient – Consistent image quality and improved scan workflow.
- High patient eligibility – Bariatric and Pediatric
- Low energy imaging for a large number of patients
- Low dose coronary CTA for a large number of patients
- Low-dose brain perfusion
- With iDose4 Premium Package – iDose4 reconstructor including O-MAR
- Optional IMR – Iterative Model-based Reconstruction

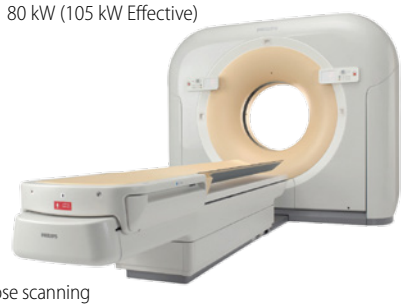
Philips · iCT Elite

Slices per rotation 256
Coverage 80 mm
Power 120 kW

Highlights
- New Nanopanel Elite Detector – Enables low dose scanning
- iPatient – Consistent image quality and improved scan time workflow Platform for delivering future CT discoveries like IMR
- Syncright – CT / Injector integration
- IMR – Virtually noise free image quality. 2.7 x improvement in low contrast detectability index
- iDose4 Premium Package

Philips · Ingenuity Elite

Slices per rotation 128
Coverage 40 mm
Power 80 kW (105 kW Effective)



Highlights
- New Nanopanel Elite Detector – Enables low dose scanning
- iPatient – Consistent image quality and improved scan time workflow. Platform for delivering future CT discoveries like IMR
- Syncright – Appropriate contrast dose with CT / Injector integration
- IMR – Virtually noise free image quality. 2.7 x improvement in low contrast detectability index.
- iDose4 Premium Package – iDose4 Reconstructor including O-MAR

Philips · IQon Spectral CT scanner

Highlights
- The world's first and only spectral detector solution delivering comprehensive, valuable diagnostic and clinical insights.
- Improved tissue characterization and visualization
- Spectral results 100 % of the time, in one scan
- For the most challenging cases, routinely
- Fully integrated with your current workflow, from scanner to PACS
- And at low dose

Siemens Healthineers · SOMATOM Definition Edge

Dual Energy Yes
Slices per rotation 128
Gantry bore 78 cm
Power Up to 100 kW

Highlights
- 0.28 s rotation speed
- Revolutionary Stellar detector: 0.50 mm slices for 0.30 mm spatial resolution
- STRATON tube with z-Sharp and 70 kV imaging
- Raw-data based iterative reconstruction (ADMIRE)
- TwinBeam Dual Energy
- iMAR (iterative Metal Artifact Reduction)
- Dynamic imaging of up to 48 cm

Siemens Healthineers · SOMATOM Definition AS

Dual Energy Yes
Slices per rotation 128
Gantry bore 78 cm
Power Up to 100 kW

Highlights
- Rotation time of up to 0.3 s and 0 MHU STRATON tube with 70 kV
- Workflow optimization for more reliable and reproducible scanning with FAST CARE technology
- Automated kV setting with CARE kV
- TwinBeam Dual Energy and iMAR (iterative Metal Artifact Reduction)
- Raw-data based iterative reconstruction (SAFIRE) with up to 20 images / s
- 3D-guided intervention, upgradeable to Stellar detector

Siemens Healthineers · SOMATOM Perspective

Dual Energy Yes
Slices per rotation 64 / 128
Rotation speed 0.39 s equivalent (0.48 s)
Installation Area Only 18.5 m²

Highlights
- Easy user interface with automated procedures
- Efficient daily usage through low energy consumption, slim gantry design and Illumination Moodlight
- Unique eCockpit suite and innovative service for low TCO
- Excellent system performance with fast real-time reconstruction and high image quality at high pitch
- iMAR (iterative Metal Artifact Reduction) and fast iterative reconstruction

Toshiba · Aquilion ONE ViSION Edition

Coverage per rotation 16 cm
Slices per rotation 640
Slice thickness 0.5 mm
Rotation speed 0.275 s

Highlights
- PURE ViSION detector
- 78 cm bore
- 2 mm @ 3HU LCR
- 300 kg patient load table
- Lateral table movement (option)
- AIDR 3D Enhanced iterative reconstruction
- FIRST (Model Based IR, option)
- Adaptive Diagnostics
- SEMAR (Metal Artifact Reduction)
- Sub mSv Cardiac
- Arrhythmia scanning
- Isophasic organ perfusion
- UltraHelical
- Dual Energy at 50 cm FOV (option)

Toshiba · Aquilion ONE

Coverage per rotation 16 cm
Slices per rotation 640
Slice thickness 0.5 mm
Rotation speed 0.35 s

Highlights
- PURE ViSION detector
- Upgradeable to 0.275 s / rotation
- 78 cm bore
- 2 mm @ 3 HU LCR
- 300 kg patient load table
- Lateral table movement (option)
- AIDR 3D Enhanced iterative reconstruction
- FIRST (Model Based IR, option)
- Adaptive Diagnostics
- SEMAR (Metal Artifact Reduction)
- Sub mSv Cardiac
- Arrhythmia scanning
- Isophasic organ perfusion
- UltraHelical
- Dual Energy at 50 cm FOV (option)

Toshiba · Aquilion PRIME

Rotation speed 40
Coverage 80 / 160
Slices per rotation 0.5 mm
Slice thickness 0.35 s

Highlights
- PURE ViSION detector
- 78 cm bore
- 2 mm @ 3 HU LCR
- 300 kg patient load table
- Lateral table movement (option)
- AIDR 3D Enhanced iterative reconstruction
- Iterative bolus tracking
- Iterative 3D Fluoro (option)
- Adaptive Diagnostics
- SEMAR (Metal Artifact Reduction)
- Low dose Cardiac scanning (option)
- Dual Energy at 50 cm FOV (option)
- 14.8 m² installation space

20 TO 64 SLICES

GE Healthcare · Revolution EVO

Slices per rotation 64 / 128
Power 72 / 400 kW
Spatial resolution 0.28 mm
Rotation speed 0.35 sec

Highlights
- Widest variety of patients and applications, from complex trauma to advanced vascular and perfusion.
- Confidence even when performing advanced procedures such as cardiac and TAVI planning
- High-resolution at low-dose: Clarity imaging chain with technology inherited from Revolution CT
- ASiR-V – up to 82% lower dose*
- SmartMAR – rawdatabased metal artifact reduction

** Compared to prior generation*

GE Healthcare · Optima CT660

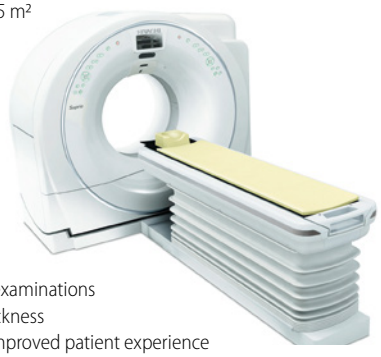
Slices per rotation 64 / 128
Power 72 / 100 kW
Spatial resolution 0.31 mm
Rotation speed 0.35 sec

Highlights
- Diagnostic power and workflow efficiency, enabling fast, high-quality acquisitions at optimized dose.
- Intelligent cardaic CT with SnapShot Assist and SnapShot Freeze
- Powered by Smart Technologies
- ASiR
- SmartMAR - rawdatabased metal artifact reduction

20 TO 64 SLICES

Hitachi · SUPRIA 64

Slices per rotation 64
Gantry bore 75 cm
Slice thickness 0.675 mm
System Footprint 13.5 m²



Highlights
- 5 MHU X Ray tube
- Sub second scan time for all examinations
- 0.675 mm minimum slice thickness
- 75 cm wide gantry bore for improved patient experience
- The compact footrpint needs small installation space
- New Iterative reconstruction algorithm for low dose examinations
- Intuitive GUI design with 24-inch wide monitor

Philips · Ingenuity Core

Slices per rotation 64
Coverage 40 mm
Power 80 kW (105 kW Effective)

Highlights
- iPatient – Consistent image quality and improved scan time workflow. Platform for delivering future CT discoveries like IMR
- Syncright • Appropriate contrast dose with CT / Injector integration
- Optional IMR – Virtually noise free image quality. 2.7 x improvement in low contrast detectability index.
- iDose4 Premium Package – iDose4 Reconstructor including O-MAR

Philips · Ingenuity Flex32

Slices per rotation 32
Spacial resolution 24 mm
Power 60 kW

Highlights
- Improvement in z-axis resolution with 32-slice reconstruction
- Wide coverage facilitates fast acquisitions in routine situations
- Now with iDose4 Premium Package
- Routine procedures with advanced capabilities
- Philips DoseWise features help reduce radiation exposure
- Built on proven technology like the fast cooling MRC X-ray tube for high reliability and throughput

Siemens Healthineers · SOMATOM Definition AS

Slices per rotation 64
Gantry bore 78 cm
Power Up to 100 kW
Dual Energy Yes

Highlights
- Rotation time of up to 0.3 s and 0 MHU STRATON tube with 70 kV
- Workflow optimization for more reliable and reproducible scanning with FAST CARE technology
- Automated kV setting with CARE kV
- 3D-guided intervention
- Raw-data based iterative reconstruction (SAFIRE) with up to 20 images / s
- iMAR (iterative Metal Artifact Reduction) and Dual Energy

Siemens Healthineers · SOMATOM Perspective

Slices per rotation 16 / 32
Rotation speed 0.39 s equivalent (0.48 s)
Gantry bore Slim design: only 69 cm
Dual Energy Yes

Highlights
- Easy user interface with automated procedures
- Efficient daily usage through low energy consumption, low installation area and Illumination Moodlight
- Unique eCockpit suite and innovative service for low TCO
- Excellent system performance with fast real-time reconstruction and high image quality at high pitch
- iMAR (iterative Metal Artifact Reduction) and fast iterative reconstruction

Siemens Healthineers · SOMATOM go.Now

Mobile operation Wireless tablet and remote control
Slices per rotation 32 with IVR
Gantry bore 70 cm
Power 32 kW (80-130 kV, Up to 400 mA)
System footprint 7.4 m²

Highlights
- Scan&GO is an advanced tablet app allowing you to control scans remotely
- The GO technologies form a holistic set of intuitive workflow solutions
- The Stellar Detector keeps electronic noise low and increases dose efficiency
- The Tin Filter reduces dose and optimizes image quality
- CARE i-Tilt protects dose sensitive organs while acquiring data from a non-tiltable gantry

Siemens Healthineers · SOMATOM go.Up

Mobile operation Wireless tablet and remote control
Slices per rotation 64 with IVR
Gantry bore 70 cm
Power 32 kW (80-130 kV, Up to 400 mA)
System footprint 7.4 m^2

Highlights
- Scan&GO is an advanced tablet app allowing you to control scans remotely
- The GO technologies form a holistic set of intuitive workflow solutions
- The Stellar Detector keeps electronic noise low and increases dose efficiency
- The Tin Filter reduces dose and optimizes image quality
- Calcium scoring visualizes and quickly quantifies calcified coronary lesions

Toshiba · Aquilion RXL

Rotation speed 0.5 s
Coverage per rotation 3.2 cm
Slices per rotation 16 / 32
Slice thickness 0.5 mm

Highlights
- PURE ViSION detector
- Upgradeable to 0.4 s rotation
- 72 cm bore
- 2 mm @ 3 HU LCR
- AIDR 3D iterative reconstruction
- Dose check and report
- SURECardio, low dose cardiac (option)
- CT DSA with SURESubtraction (option)
- SUREFluoro for intervention procedures (option)
- SUREXtension, remote access (option)
- Reduced energy consumption

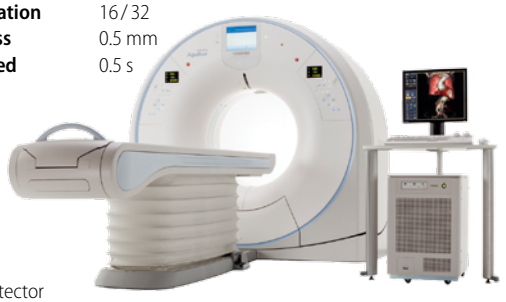
Toshiba · Astelion Advance Edition

Rotation speed 0.75 s
Coverage 2.0 cm
Slices per rotation 16 / / 32
Slice thickness 0.5 mm

Highlights
- Upgradeable to 0.6 s rotation
- 72 cm bore
- 2 mm @ 3 HU LCR
- AIDR 3D iterative reconstruction
- Navi Mode Operation for fast patient throughput
- CT DSA with SURESubtraction (option)
- SUREFluoro for intervention procedures (option)
- 2.9 ton / year reduction of CO^2 emission
- Minimized energy consumption
- Minimum foot print of 10.4 m^2

Toshiba · Aquilion Lightning

Coverage per rotation 2.0 cm
Slices per rotation 16 / 32
Slice thickness 0.5 mm
Rotation speed 0.5 s



Highlights
- PURE ViSION detector
- Upgradeable to 0.5 s fast rotation
- 78 cm bore
- 2 mm @ 3HU LCR
- AIDR 3D Enhanced iterative reconstruction
- Adaptive Diagnostics
- vHP (option)
- SEMAR (Metal Artifact Reduction)
- Navi Mode Operation for fast patient throughput
- CT DSA with SURESubtraction (option)
- SUREFluoro (option)
- Minimum foot print of 9.8 m^2
- 300 kg couch

2 TO 16 SLICES

GE Healthcare · Optima CT520

Power 42 / 70kW
Slices per rotation 16 / 32
Spatial resolution 0.31 mm

Highlights
- Built on reliable and proven technology, it combines advanced clinical capacity with economic value
- Designed to help healthcare providers deliver the best patient care
- High quality diagnostic imaging at low dose with ASiR
- Powered by Smart Technologies

GE Healthcare · Optima CT540

Power 60 / 88 kW
Slices per rotation 16 / 32
Spatial resolution 0.31 mm

Highlights
- It helps to answer your need for exceptional clinical results, a steadily increased volume of patient throughput, a focus on patient-centered tasks, and a reduction in unnecessary steps and tedious, time-consuming operations
- Powered by Smart Technologies
- ASiR
- Moreover it is designed to provide a reliable CT solution for high quality diagnostic imaging at lower dose in: Oncology / Angiography / Interventional / Emergency

2 TO 16 SLICES

GE Healthcare · Revolution ACT

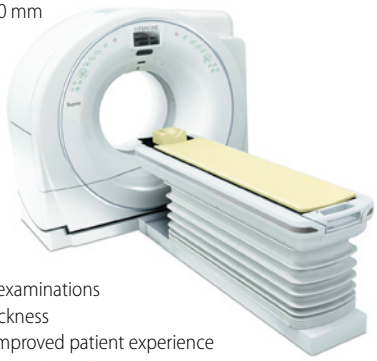
Power 24 / 40 kW
Slices per rotation 16 / 32
Spatial resolution 18 lp / cm

Highlights
Redefine what's possible with CT
- Lower dose by up to 40 % exams throughout the body with ASiR & ODM
- High-quality thin-slice images with IQ Enhance
- Up to 20 % lower electronic noise thanks to HiLight Scintillator Detector with VolaraDT DAS
- Lower siting costs with smallest 16-slice CT system
- 47% lower power requirement with GE innovative* energy-saving mode software

Compared to prior generation

Hitachi · SUPRIA 16

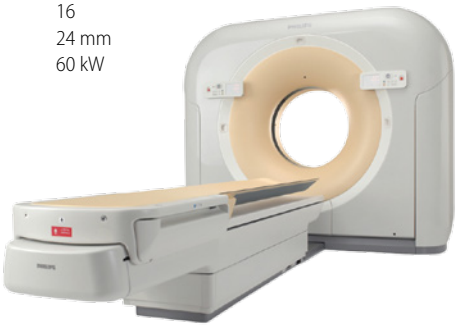
Slices per rotation 16
Gantry bore 75 cm
Slice thickness 0.675 mm
Field of View 500 mm



Highlights
- 5 MHU X Ray tube
- Sub second scan time for all examinations
- 0.675 mm minimum slice thickness
- 75 cm wide gantry bore for improved patient experience
- The compact footprint needs small installation space
- New Iterative reconstruction algorithm for low dose examinations
- Intuitive GUI design with 24-inch wide monitor

Philips · Ingenuity Flex

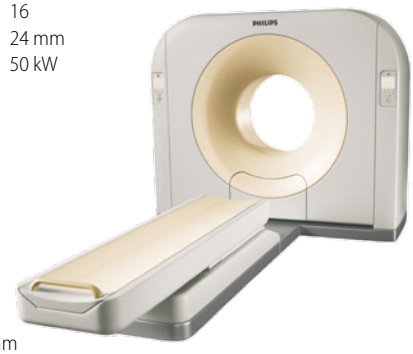
Slices per rotation 16
Coverage 24 mm
Power 60 kW



Highlights
- Built on proven technology like the fast cooling MRC X-ray tube for high reliability and throughput
- High image quality with fast acquisition times enabled by 2.4 cm coverage
- Now with iDose4 for improved image quality at low dose
- Philips DoseWise features help reduce radiation exposure
- Access to a full suite of applications to meet your clinical needs

Philips · MX16 EVO2 CT scanner

Slices per rotation 16
Coverage 24 mm
Power 50 kW



Highlights
- Super image quality with the EVOEYE algorithm improving LCD and 1,024 matrix
- High patient throughput with reconstruction times up to 20 ips
- Optional iDose4 reconstructor
- Enhanced dose management and long tube life with DoseWise kit
- Full handling of routine procedures such as heads, chest, abdomen and CTA
- Visualization of critical structures with Metal Artifact Reduction

Philips · Access CT

Slices per rotation 16
Coverage 12,8 mm
Power 50 kW*
*equivalent with iDose4

Highlights
- Proven excellence with award-winning iDose4 technology. iDose4 improves image quality through artifact prevention and increased spatial resolution at low dose.
- MAR technology to help isolate the effects of metal objects in the image data, aiding visualization of surrounding anatomy for enhanced diagnostic confidence.
- 70 kV scan mode helps you take care to a new level by offering low-dose scanning of smaller patients
- 10,242 resolution for enhanced quantitative analysis helps maximize detectability of small objects to help minimize the need for additional scans

Siemens Healthineers · SOMATOM Scope

Power	26 / 50 kW
Slices per rotation	16 / 32 (both configurations)
System Footprint	8 m²
Installation Area	12 m²

Highlights

- Leading image quality from high-quality UFC detector material and very small focal spot
- Outstanding image quality, at the right dose with CARE Dose4D and iterative reconstruction (IRIS and SAFIRE)
- iMAR (iterative Metal Artifact Reduction) and Dual Energy
- Optimized total cost of ownership due to reduced overhead costs and extended scanner lifetime with eCockpit

Siemens Healthineers · SOMATOM Spirit

Slices per rotation	2
Spatial resolution	15.5 Lp / mm

Highlights

- Easy user interface provides simplicity and a fast learning curve
- Outstanding overall system uptime due to robust design and stability
- Exceptional patient throughput-to-investment ratio
- Low heat dissipation and power consumption
- Real-time dose modulation with CARE Dose4D for up 68 % dose reduction
- Increased volume coverage with gantry rotation speed of up to 0.8 s

ONCOLOGY CT

GE Healthcare · Discovery CT580 RT

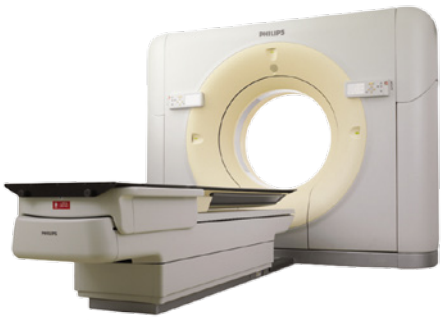
Power 55 / 100 kW
Slices per rotation 16
Spatial resolution 0.35 mm

Highlights

- Wide bore geometry (80 cm)
- All tables TG66 compliant (225 and 295 kg max)
- Up to 40 % dose reduction across the body with integrated ASiR reconstruction*
- 4D gating reconstruction on the operator console
- Complete and easy to use RT simulation planning solution with SIM MD on AW
- smartMAR – rawdatabased metal atrefact reduction
- Deviceless 4D - breath gating
- 80 cm max FOV

** Compared to prior generation*

Philips · Brilliance Big Bore



Highlights

- Dedicated RTP features and applications such as TG66 compliant table (295 kg), simulation and marking tools
- iPatient – Consistent image quality and improved scan time workflow.
- 85 cm gantry opening
- 60 cm true scan FOV and extended 70 cm FOV
- O-MAR metal artifact reduction for orthopedic implants
- 4D respiratory imaging, including phase and/or amplitude binning
- iDose4 reconstruction

Siemens Healthineers · SOMATOM Definition Edge

Power Up to 100 kW
Slices per rotation 128
Dual Energy Yes
Gantry bore 78 cm

Highlights

- Advanced evaluation of therapy response of tumors and tissues properties thanks to Twin Beam Dual Energy and Adaptive 4D Spiral
- Improved visualization thanks to iMAR and extended field of view of 78 cm
- Comprehensive tumor motion management solution
- Improved process efficiency with a workflow guided RT solution

Siemens Healthineers · SOMATOM Definition AS Open

Slices per rotation 20 / 64
Gantry bore 80 cm
Power Up to 100 kW
Dual Energy Yes

Highlights

- Leading image quality resulting from high-quality UFC detector material and iterative reconstruction
- Improved visualization thanks to iMAR and extended field of view of 80 cm
- Comprehensive tumor motion management solution
- Ready for new treatment techniques requiring higher accuracy
- Improved process efficiency with a workflow guided RT solution

Siemens Healthineers · SOMATOM Scope Power

Power 50 kW
Slices per rotation 16
Installation Area 12 m²
System Footprint 8 m²

Highlights

- Leading image quality resulting from high-quality UFC detector material and iterative reconstruction.
- Improved visualization thanks to iMAR and extended field of view of 70 cm
- More efficient examination procedures with the all-in-one workplace
- Comprehensive tumor motion management solution
- Optimized TCO due to reduced overhead costs and extended scanner lifetime with eCockpit

Siemens Healthineers · SOMATOM go.Up

Mobile operation Wireless tablet and remote control
Slices per rotation 64 with IVR
Gantry bore 70 cm
Power 32 kW (80-130 kV, Up to 400 mA)
System footprint 7.4 m²

Highlights

- Scan&GO is an advanced tablet app allowing you to control scans remotely
- The GO technologies form a holistic set of intuitive workflow solutions
- The Stellar Detector keeps electronic noise low and increases dose efficiency
- The Tin Filter reduces dose and optimizes image quality
- Calcium scoring visualizes and quickly quantifies calcified coronary lesions

Toshiba · Aquilion LB

Rotation speed	0.5 s
Coverage per rotation	3.2 cm
Slices per rotation	32
Slice thickness	0.5 mm

Highlights

- PUREViSION detector
- 90 cm bore
- 70 cm FOV
- 85 cm extended FOV
- 2 mm @ 3 HU LCR
- 300 kg patient load table
- AIDR 3D iterative reconstruction
- SEMAR (Metal Artifact Reduction)
- Respiratory gating (option)
- Oncology table top (option)
- CT DSA with SURESubtraction (option)
- SUREFluoro (option)
- Reduced energy consumption

CONEBEAM CT

Cefla · NewTom 5G XL

FOV	21 x 19 cm up to 6 x 6 cm
Voxel size	100 µm HiRes
Emission Time	max 5.4 s (ECO 0.9 s)

Highlights

- Cone Beam CT with open gantry and supine position. Backside access available.
- High definition volumetric images of bone tissues, non-overlapping sections and fewer artifacts
- Safe Beam: Automatic detection minimal necessary Dose, Pulsed emission
- Extensive range of disciplines in Orthopaedics, Otorhinolaringology, Oral and Maxillofacial surgery
- "Cine X" Dinamic acquisition, "Ray 2D" single 2D acquisition

Cefla · NewTom VGi evo

FOV	24 x 19 cm up to 5 x 5 cm
Voxel size	100 µm HiRes
Emission Time	max 4.3 s (ECO 0.9 s)

Highlights

- Cone Beam CT seated/standing patient positioning
- High definition volumetric images of bone tissues, non-overlapping sections and fewer artifacts
- Safe Beam: Automatic detection minimal necessary Dose, Pulsed emission
- Extensive range of disciplines in Otorhinolaringology, Oral and Maxillofacial surgery
- "Cine X" Dinamic acquisition, "Sharp 2D" from CBCT acquisition

Planmed Oy · Planmed Verity

Scan volume	16 cm diameter x 13 cm, 16 cm diameter x 7 cm
Spacial resolution	0.4 mm, 0.2 mm
Scan time	18 s

Highlights

- Cone Beam CT (CBCT) scanner dedicated to extremity and maxillofacial imaging
- Weight-bearing imaging
- kV range 80 - 96
- High quality 3D-imaging with low dose
- Advanced artefact removal algorithms
- Compact, mobile, easy to site
- Motorized, soft-surface gantry adapts to the patient

VILLA SISTEMI MEDICALI · Rotograph Evo 3D

Scan volume	Max. 93 x 82 mm (full dentition)
Voxel size	185 µm
Scan time	11.2 s (exposure)

Highlights

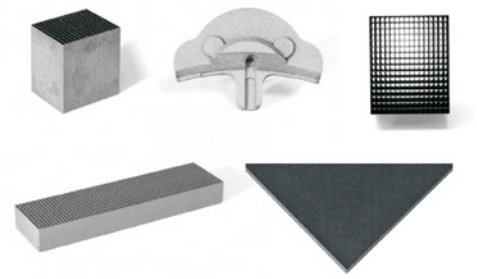
- 3-in-1 dental system with "Cone Beam" technology: Pan, Ceph, 3D
- Pan-3D detector always ready to operate: no need to switch it from Pan to 3D mode
- Optional Evo Xp Examination Module enlarges the traditional Panoramic views
- Accessible to any patient, including ones on wheelchairs
- Selection of reduced FOVs, focused on maxillary dentition and manibular dentition, for dose reduction

ACCESSORIES / COMPLEMENTARY SYSTEMS

Dunlee · CT Replacement Tubes

Highlights
- Replacement tubes for more manufacturers than any other company in the industry (GE, Siemens, Toshiba, Shimadzu, Philips)
- 24 / 7 – 365 days per year
- Tube stocks at major airport hubs throughout the United States, Asia, Europe and Latin America
- Shipment of most popular replacement tubes, typically with same-day or next-day delivery

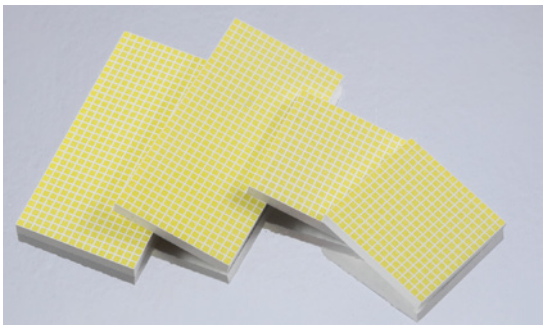
Dunlee · Smit Röntgen 3D Printed Tungsten Parts



Highlights
Smit Röntgen offers pure Tungsten products made by Direct Metal Laser Sintering. With this unique and patented technology free form parts made out of pure tungsten can be made.

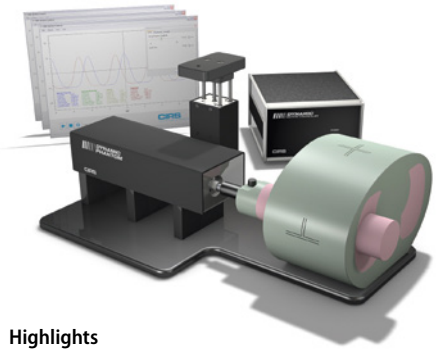
Applications
- Collimators for Molecular Breast Imaging and SPECT
- Dedicated X-ray shieldings and collimation parts
- CT anti-scatter grids
- X-ray tube parts
- Breakthrough freedom of design
- Eco friendly technology

Dunlee · Smit Röntgen CT Ceramic GOS Scintillator



Highlights
- Optimal image quality through high light output
- Extremely low afterglow
  Typical values:
  – 150 ppm after 3 ms
  – < 5 ppm after 300 ms
- Very high transparency (enabler for high definition)
- Maximum emission at 515 nm
- Maximum outer dimensions: 7 x 7 cm^2
- Slot width 100 µm
- Minimum pixel size: 0.5 x 0.5 mm^2

GCTechnology GmbH · CIRS Phantoms



Highlights
- Electron density phantom for calibration
- Dynamic Lung phantom
- Dynamic Cardiac phantom
- CT dose phantoms
- Bone analysis CT simulator
- Plastic water and tissue equivalent materials
- Spiral/helical CT phantom
- AAPM CT performance phantom
- 3D sectional torso Phantom
- Head phantom

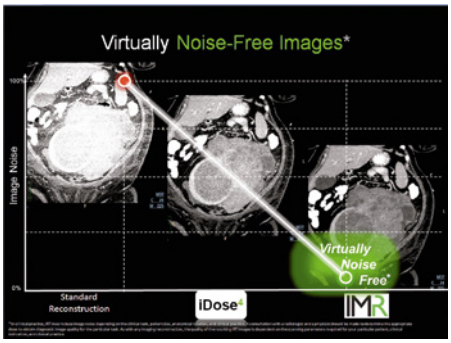
I.A.E. · RTC 165

Highlights
- Replacement for GE Scanners: Sytec 6,000 / 8,000 Prospeed, Hispeed Dxi, Fxi, Lxi CT/i Advantage
- Reloaded in original CT Housing
- Careful refurbishing of original casing
- Replacing of all wear subject components
- Special cathode processing for reliable current emission
- Controlled thickness window for consistent HVL

LEONI · Cable Systems

Highlights
LEONI cable harnesses and systems for medical devices integrate a wide variety of functions: besides energy supply and control, they can also transmit light and data up to including so-called assist functions, such as the cooling of device components. LEONI provides wiring services for CTs and can collaborate in the development phase. As a systems supplier, LEONI provides consultation and analysis at local level, development and design of the optimum cabling and the supply of prototypes. In addition, LEONI offers individual and system verification testing, as well as customer-specific logistics solutions.

Philips · IMR Iterative Model Reconstruction



Highlights

- Industry-leading low-contrast resolution spec – 2mm @ 0.3% @ 10.4 mGy
- Up to 80 % improvement in low contrast & up to 80 % less noise & up to 80 % lower dose, simultaneously
- Virtually noise-free image quality
- Majority of reference protocols reconstructed in 3 minutes or less

Philips · Refurbished Systems

Highlights

- Philips Diamond Select provides reliable, like-new refurbished CT imaging systems at an attractive price.
- Diamond Select offers up-to-date technology to expand the variety of high-quality services available to patients.
- All systems undergo a thorough five-step refurbishment process in order to maintain the high standards set by Philips.

Toshiba Electron Tubes & Devices · CT Tube assembly

Highlights

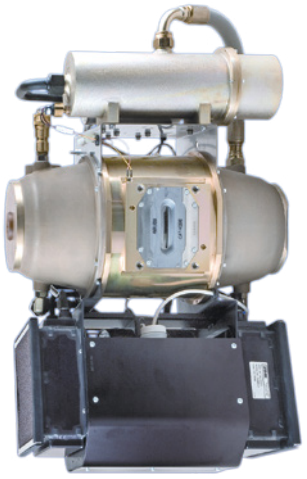
- For CT systems (2-MHU to 4-MHU)
- Uses a liquid metal bearing
- Supports 0.5 s full scans
- Our unique liquid metal bearing technology uses an all-metal target, enabling high anode heat dissipation with low noise and long bearing life.

Varex Imaging · Cardinal CT Tube

Highlights

- The new Cardinal CT tube is being designed into new CT equipment
- The Cardinal has a high heat capacity with excellent image quality and throughput allowing for quicker imaging which translates into cost savings to the medical facilities.

Varex Imaging · MCS 6074 Replacement Tube



Highlights

- Replacement for GE Performix 6.3 mHU CT tube
- Designed for GE Lightspeed & Bright-speed family of scanners
- Full 12 month warranty
- Calibrates like the original
- Supports 0.5 second full scans
- Long life bearing

Varex Imaging · MCS 8064 Replacement Tube

Highlights

- Anode end grounded (AEG) replacement tube for GE Lightspeed VCT scanner
- Offers lower life cycle costs
- Over 30,000 anode end grounded (AEG) tubes sold
- Full 12 month warranty

Magnetic Resonance Imaging

7 Tesla

3 Tesla

1.5 Tesla

Open

MR-PET

MRT Coils

Accessories / Complementary Systems

7 TESLA

Siemens Healthineers · MAGNETOM Terra

Field strength 7 T
Gradient 80 mT/m
Slew rate 200 T/m/s
Channels Up to 64

Highlights
- Translate 7 T research power into clinical care
- 50 % lighter 7 T magnet technology for easier integration into clinical environments
- Double SNR for more precision
- 8-channel parallel transmit functionality for higher homogeneity
- Submillimeter BOLD fMRI precision for pre-surgical evaluation
- Latest applications available with *syngo* MR E11 software

The product is still under development and not commercially available yet. Its future availability cannot be ensured.

3 TESLA

GE Healthcare · Discovery MR750 3.0 T

Gradient 50 mT / m
Slew rate 200 T / m / s
Channels 32 / 128 (option)

Highlights
- Powerfully simple
- Express preparation exam
- "Can't miss" applications and HD coils simply powerful
- Shorter TE / TR and faster acquisitions with unique gradients architecture
- Faster reconstruction
- 27 % more SNR with optical RF technology

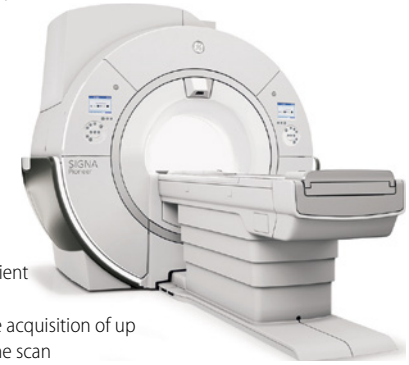
GE Healthcare · Discovery MR750w 3.0 T & SilentScan / MAGiC

Gradient 44 mT / m
Slew rate 200 T / m / s
Channels 32 / 128 (option)

Highlights
- Patient centric design
- 70 cm bore with full 50 x 50 x 50 cm FOV
- Geometry Embracing Method (GEM): lightweight and flexible coils, embedded posterior array, open face head / neck unit, feet first imaging, with a coverage up to 205 cm
- SilentScan for examinations as silent as a whisper
- MAGiC technolgoy for up to 6 image contrasts in one MRI scan

GE Healthcare · SIGNA Pioneer 3.0 T

Gradient 36 mT / m
Slew rate 150 T / m / s
Channels 97



Highlights
- New 3 T wide bore MR with future oriented technologies in the areas of image quality, productivity, profitability and patient comfort
- MAGiC technology for the acquisition of up to 6 image contrasts in one scan
- SilentScan for examinations as silent as a whisper
- 50 % less energy consumption compared to previous systems
- Easy installation (compared to 1.5 T systems)

GE Healthcare · SIGNA PET / MR 3.0 T

Gradient 44 mT / m
Slew rate 200 T / m / s
Channels 32 / 128 (option)

Highlights
- Exciting diagnostic possibilities thanks to simultaneous PET / MR acquisition
- 3.0 T magnetic resonance (MR) technology integrated with GE's latest positron emission tomography (PET) technology
- SiPM detector with excellent timing resolution enabling Turbo time-of-flight (TurboTOF) reconstruction, suitable for ultra short-lived positron emmitters.

GE Healthcare · MRgFUS / ExAblate & Discovery MR750w 3.0 T

Gradient 44 mT / m
Slew rate 200 T / m / s
Channels 32 / 128 (option)

Highlights
- Focused, non-invasive thermal ablation therapy, combining highly energetic focused ultrasound (ExAblate) with MRI imaging.
- CE-certified for: Uterine fibroids, bone metastases, facets, essential tremor, tremor dominant Parkinson's disease, neuropathic pain.
- MRI guidance for therapy planning, targeting and thermal feedback, with immediate results.

Sagittal 3D Black Blood Imaging (MinIP),
resolution 0.8 x 0.8 x 0.8 mm,
scan time 4:20 min, Philips Ingenia 3.0 T

Neuro applications from Philips MR

Elevating neuro diagnostics for clarity and insight

As the human body's most complex organ, the brain has been a source of fascination for physicians and scholars for centuries. In recent years, scientific advancements and innovative technologies have revolutionized the way researchers and clinicians explore the brain and diagnose and treat disease.

However, despite the many developments, according to a 2016 TMTG study, 70% of radiologists still consider neuro indications to be challenging, mostly due to a lack of imaging and visualization techniques. Philips believes that magnetic resonance imaging is in a unique position to address neurological disorders.

Against this background, Philips is this year introducing a set of advanced imaging and visualization strategies for neurological cases. The tools are designed to help clinicians answer complex indications and unlock new territories in neuro imaging.

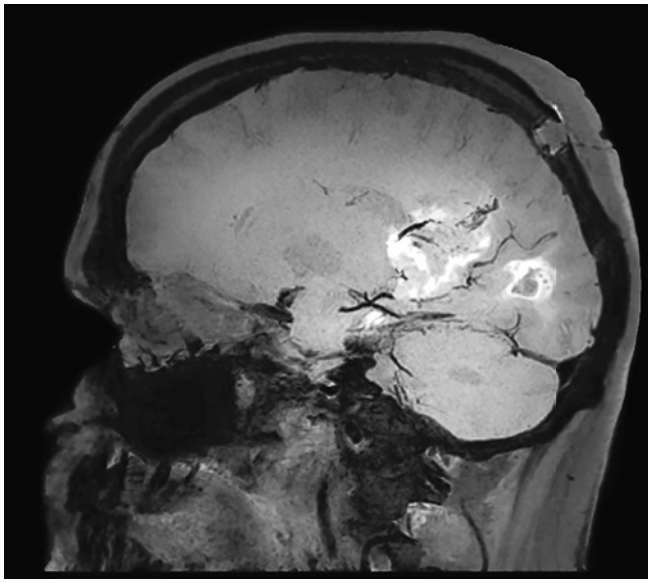
Bringing complex structures to light

By visualizing intricate structures and helping clinicians track changes in the brain, MR can deliver vital insights into conditions such as brain tumors and vascular disease. Advanced visualization applications help physicians review complex, multi-dimensional data to make informed diagnosis and treatment decisions.

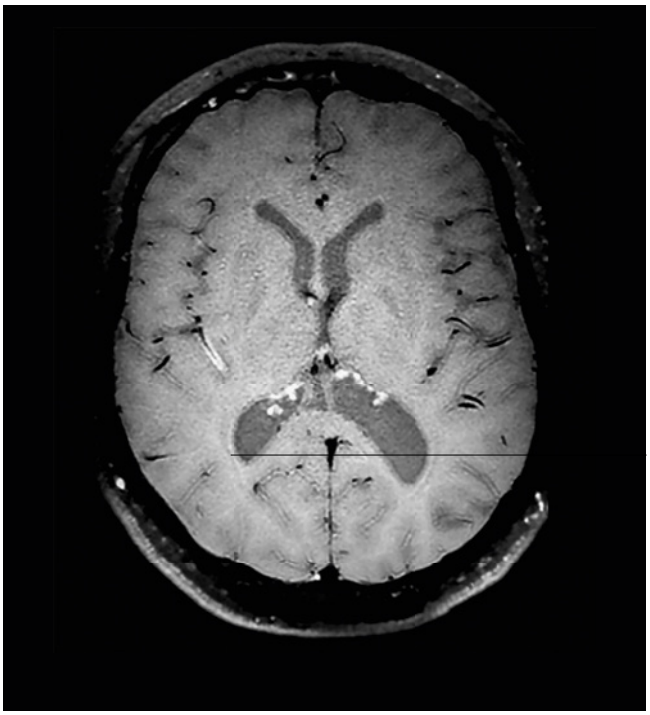
Philips is committed to pushing the boundaries and elevating neuro diagnostics with the aim of empowering healthcare providers to resolve neuro questions with more certainty. The suite of MR neuro tools intends to help clinicians explore new ground in advanced neurofunctional applications and deliver more definitive diagnoses[1].

Rising patient numbers

Leveraging the Philips dStream digital platform, the enhanced portfolio of MR applications aims to touch the lives of a growing number of patients around the globe. Demographic changes such as aging populations in many parts of the world are driving an increase in neurological disease which creates new challenges in healthcare. Philips aims to extend the reach of MRI, by delivering advanced solutions that answer specific clinical and diagnostic questions.



Sagittal 3D Black Blood Imaging,
resolution 0.8 x 0.8 x 0.8 mm, scan time 5:20 min, Philips Ingenia 3.0 T.
Courtesy: Hennepin County Medical Center, Minneapolis, USA



Axial 3D Black Blood Imaging (vasculitis),
resolution 0.7 x 0.7 x 0.7 mm, scan time 4:39 min, Philips Ingenia 3.0 T.
Courtesy: ULB Erasme Hospital, Brussels, Belgium

Black Blood imaging, for example, facilitates better differentiation of the vessel lumen from the intra lumen blood signal. This enhances diagnostic confidence by supporting 3D brain imaging with higher isotropic resolution[2] with a reduction of the intra-lumen brain blood signal[3] over the complete imaging volume. Plus, 3D isotropic acquisition enables reformats in any plane (including oblique) without loss of resolution. Furthermore, scan times can be kept to just five minutes[4].

Personalized treatment paths

As the number of cases in neurology grows, so too does the need for differentiated, unique care that is tailored to the needs of each patient. Going forward, a universal, one-size approach will not be sufficient. Making healthcare fit individual requirements is a key challenge today.

Philips is responding to this trend by pushing the envelope in neuro imaging and supporting clinicians and healthcare facilities to do the same. One example of this is quantitative biomarkers that support personalized diagnosis and treatment guidance. This approach not only paves the way for evidence-based outcomes, but it also facilitates care that is in line with patient-specific imperatives.

www.philips.com/healthcare

[1] Definitive is defined as features that are expected to deliver alternative contrasts, functional or quantitative images.

[2] Compared to Philips 2D double inversion methods with same brain coverage and scan time.

[3] Compared to Philips 3D T1w scan without MSDE pre-pulse.

[4] Compared to Philips 2D double inversion recovery methods with same full brain coverage.

3 TESLA

GE Healthcare · MR Surgical Suite & Discovery MR750w 3.0 T

Gradient 44 mT / m
Slew rate 200 T / m / s
Channels 32 / 128 (option)

Highlights
- Surgical Suite is a solution for enabling pre-operative, intra-operative, and post-operative MRI imaging for a patient undergoing neurosurgery.
- Includes all necessary additional equipment and offers the combination of a fully equipped Maquet OP table with a state-of-the-art MRI

Philips · Ingenia 3.0 T

Field strength 3.0 T
Gradient 45 mT / m
Slewrate 22 T / m / s

Highlights
- Increase SNR by up to 40 %
- Plug-and-play expansion
- Largest homogeneous FOV for a 70 cm bore
- As much as 30 % improvement in throughput
- Significant reduction of routine tasks
- Contrast uniformity, speed, consistency MultiTransmit 4D brings the benefits of MultiTransmit technology to cardiac imaging. It adapts RF signals to each patient, addressing dielectric shading to provide superb image uniformity, contrast and consistency, as well as faster imaging
- The first-ever digital broadband MR system

Philips · Ingenia 3.0 T CX

Field strength 3.0 T
Gradient 80 mT / m
Slewrate 200 mT / m / ms

Highlights
- MultiTransmit 4D technology for enhanced speed, image quality and consistency through patient-adaptive imaging
- The exclusive Quasar Dual gradient system offers high performance with superb linearity for FOVs up to 50 cm
- Work at the forefront of clinical excellence with access to high precision results
- Enjoy up to 40 % more SNR and enhanced throughput with channel-independent RF technology

Philips · Achieva 3.0 T X-series

Field strength 3.0 T
Gradient 80 mT / m
Slewrate 200 mT / m / ms

Highlights
- Wide open, patient-friendly, flared short bore design with 50 cm imaging coverage for comfortable and efficient patient imaging
- High productivity and efficiency with SmartExam: 1 click for consistent and reproducible MR exams. Available for brain, spine, knee and shoulder
- Advanced functionality for speed and resolution: high SENSE acceleration capabilities, ultra-fast MR angiography with 4D-TRAK, cardiac imaging with k-t BLAST, 2k Imaging for ultra-high spatial resolution

Siemens Healthineers · MAGNETOM Spectra, A Tim+Dot System

Field strength 3 T
Gradient 33 mT / m
Slew rate 125 T / m / s
Channels Up to 24

Highlights
- Outstanding image quality and speed with Tim 4G technology
- Excellent usability and image consistency with DotGO and Dot Cockpit
- Comfortable and easy patient setup with SlideConnect & DirectConnect
- Low operating cost through low power consumption and Zero Helium boil off
- Fast break-even due to unmatched financial performance
- Latest applications available with *syngo* MR E11 software

Siemens Healthineers · MAGNETOM Verio, A Tim+Dot System

Field strength 3 T
Gradient 45 mT / m
Slew rate 200 T / m / s
Channels Up to 32

Highlights
- Increased throughput with Tim+Dot
- Short, light, and easy to install 3 T system
- Greater patient access and comfort with 70 cm Open Bore
- TrueForm design for optimized homogeneity volumes matching the true form of the human body

Siemens Healthineers · MAGNETOM Skyra, A Tim+Dot System

Channels 3T
Gradient 45 mT / m
Slew rate 200 T / m / s
Channels Up to 128

Highlights
- Increase patient satisfaction with complete, quiet neurological and orthopedic exams
- High patient comfort with 70 cm Open Bore, quiet exams, and short system design
- Up to 50 % higher productivity with Tim 4G and Dot*
- Top-of-the-line applications and technologies for clinical routine and research
- DirectRF – digital in / out for high signal purity and improved stability
- Maximizing return due to minimized siting requirements and lower TCO through increased energy efficiency
- Latest applications available with *syngo* MR E11 software

** Case Study Cardiac Dot Engine by: Dr. Russell Bull, Royal Bournemouth Hospital, UK*

Siemens Healthineers · MAGNETOM Prisma, A Tim + Dot System

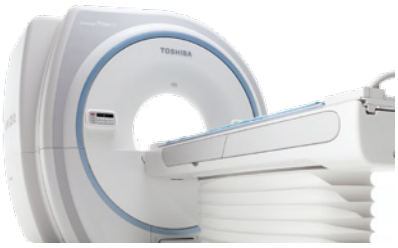
Field strength 3T
Gradient 80 mT / m
Slew rate 200 T / m / s
Channels Up to 128

Highlights
- A unique design for MRI researchers
- Unique scannner technology in one package: benchmark 3T magnet; XR 80 / 200 gradients; advanced parallel transmit technology and Tim4G
- Pioneering research applications
- The platform for the newest advancements in 3T MRI
- Latest applications available with *syngo* MR E11 software

1.5 TESLA

Toshiba · Vantage Titan 3T

Gradient 30 or 45 mT / m
Slew rate 203 mT / m / ms
Channels 16 or 32 ch



Highlights
- Patient friendly 71 cm open bore with 50 x 50 x 45 cm cylindrical scan area
- Multi phase transmit with 2 ampl and 4 ports for homogeneous B1
- Pianissimo, acoustic noise reduction system
- Low couchtop of 43 cm for easy patient access
- Next generation of contrast-free angiography FBI, CIA, t-slip, TSA, HOP, FSBB
- Image recon. of up to 12,600 img / s
- M-Power intuitive graphical user interface

GE Healthcare · Optima MR450w 1.5 T & SilentScan / MAGiC

Gradient 34 mT / m (XP 44 mT / m)
Slew rate 150 T / m / s (XP 200 T / m / s)
Channels 32 / 128 (option)

Highlights
- Patient centric design
- 70 cm bore with full 50 x 50 x 50 cm FOV
- Geometry Embracing Method (GEM): lightweight and flexible coils, embedded posterior array, open face head / neck unit, feet first imaging, with a coverage up to 205 cm
- SilentScan for examinations as silent as a whisper
- MAGiC technolgoy for up to 6 image contrasts in one MRI scan

GE Healthcare · MRgFUS / ExAblate & Optima MR450w 1.5 T

Gradient 33 T / m
Slew rate 120 T / m / s
Channels 32

Highlights
- Focused, non-invasive thermal ablation therapy, combining highly energetic focused ultrasound (ExAblate) with MRI imaging.
- CE-certified for: Uterine fibroids, bone metastases, facets, essential tremor, tremor dominant Parkinson's disease, neuropathic pain.
- MRI guidance for therapy planning, targeting and thermal feedback, with immediate results.

GE Healthcare · SIGNA Explorer 1.5 T

Gradient 33 mT / m
Slew rate 120 T / m / s
Channels 16

Highlights
- Reliable clinical results as well as high productivity and profitability
- Compatible with SilentScan for examinations as silent as a whisper
- Digital OpTix RF-technolgy.
- Efficient workflow thanks to automatic presets, Slide Bar and integrated express coil technology.
- Energy savings up to 34 % compared to previous systems.

1.5 TESLA

GE Healthcare · SIGNA Creator 1.5 T

Gradient 33 mT / m
Slew rate 120 T / m / s
Channels 8

Highlights
- Reliable clinical results as well as high productivity and profitability
- MAVRIC SL enables advanced visualization of soft tissues and bone near MR conditional metallic devices.
- Digital OpTix RF-technolgy.
- Efficient workflow thanks to automatic presets, Slide Bar and integrated express coil technology.
- Energy savings up to 34 % compared to previous systems.

Hitachi · ECHELON OVAL

Gradient 34 mT / m
Slew rate 150 T / m / s
Channels 16 (32)

Highlights
- Revolutionary design featuring a 74 cm spacious OVAL environment
- Shaped around the human body
- Workflow Integrated Technology (WIT)
- WIT RF Coil System
- WIT Mobile Table
- WIT Patient Information Monitor

Philips · Ingenia 1.5 T

Field strength 1.5 T
Gradient 45 mT / m or 33 mT / m
Slewrate 200 T / m / s or 120 T / m / s

Highlights
- Increase SNR by up to 40 %
- As much as 30 % improvement in throughput
- Plug-and-play expansion
- Largest homogeneous FOV for a 70 cm bore
- Significant reduction of routine tasks
- The first-ever digital broadband MR system

Philips · Ingenia 1.5 T S

Field strength 1.5 T
Gradient 57 mT / m or 33 mT / m
Slewrate 208 T / m / s or 120 T / m / s

Highlights
- Increase SNR by up to 40 %
- As much as 30 % improvement in throughput
- Plug-and-play expansion
- Largest homogeneous FOV for a 70 cm bore
- Significant reduction of routine tasks
- The first-ever digital broadband MR system

Philips · Ingenia 1.5 T CX

Field strength 1.5 T
Gradient 57 mT / m or 33 mT / m
Slewrate 208 T / m / s or 120 T / m / s

Highlights
- As much as 30 % improvement in throughput
- Plug-and-play expansion
- Large homogeneous FOV for a 60 cm bore
- Unique design allows up to 70 % of routine applications without additional coil connections.
- dStream throughput

Philips · Multiva 1.5T

Field strength 1.5 T
Gradient 33 mT / m
Slewrate 122 T / m / s

Highlights
- FlexStream, SmartExam and SmartAssist offer an easy-to-use system for fast and easy workflow for increased throughput
- Ultra-light weight coils. No additional coil handling for total spine imaging
- High quality, 10-minute routine exams with high channel count coils and SENSE parallel imaging for up to 16-times acceleration
- Comprehensive range of clinical applications
- PowerSave – low operation costs

Not available in the USA.

Siemens Healthineers · MAGNETOM ESSENZA, A Tim+Dot System

Field strength 1.5 T
Gradient 30 mT / m
Slew rate 100 T / m / s
Channels Up to 16

Highlights
- Increase patient-satisfaction with light-weight coils and ultra-short magnet design
- Increased throughput, consistency, and ease of use – with Dot
- Greater clinical scope with standard and advanced clinical applications
- Low operating cost through low power consumption and zero helium boil-off
- Fast break even due to optimum TCO
- Future security with latest application portfolio based on *syngo* MR E11

The product is still under development and not commercially available yet. Its future availability cannot be ensured.

Siemens Healthineers · MAGNETOM Amira, A Tim+Dot System

Field strength 1.5 T
Gradient 33 mT / m
Slew rate 125 T / m / s
Channels Up to 24

Highlights
- Increase patient satisfaction with complete, quiet neurological and orthopedic exams
- Right Timing and motion insensitive techniques for liver exams with FREEZEit
- 10-min exams with best-practice-based protocols
- Up to 30 % energy savings in standby mode with Eco-Power
- Increased throughput with Tim 4G and DotGO
- Maximizing return due to minimized siting requirements and costs
- Latest applications available with *syngo* MR E11 software

Siemens Healthineers · MAGNETOM Avanto, A Tim+Dot System

Field strength 1.5 T
Gradient 45 mT / m
Slew rate 200 T / m / s
Channels Up to 32

Highlights
- Increased throughput with Tim+Dot
- Exceptional magnet homogeneity for excellent fat saturation
- Fast training and increased staff versatility
- Broad application range
- Easy siting conditions

Siemens Healthineers · MAGNETOM Aera, A Tim+Dot System

Field strength 1.5 T
Gradient 45 mT / m
Slew rate 200 T / m / s
Channels Up to 64

Highlights
- Increase patient satisfaction with complete, quiet neurological and orthopedic exams
- High patient comfort with 70 cm Open Bore in combination with ultra-short system design (145 cm cover to cover)
- DirectRF – digital in / out for high signal purity and improved stability
- Maximizing return due to minimized siting requirements and lower TCO through increased energy efficiency
- Up to 50 % higher productivity with Tim 4G and Dot*
- Latest applications available with *syngo* MR E11 software

** Case Study Cardiac Dot Engine by: Dr. Russell Bull, Royal Bournemouth Hospital, UK*

Swissray · SR Pulse 710

Gradient 33 mT / m
Slew rate 132 T / m / s
Channels 16

Highlights
- High homogeneity, zero boil-off 1.5 T magnet
- Widest patient bore – 71 cm
- 250 kg table support
- High resolution, exceptional image quality
- FOVs up to 50 cm in all three directions
- Combine RF coil elements for easy multi- step coverage
- Intuitive UI allows quick adaption and highest throughput
- Low total cost of ownership

1.5 TESLA

Toshiba · Vantage Titan

Gradient 34 mT / m
Slew rate 148 mT / m / ms
Channels 8, 16 or 32 ch

Highlights
- Patient friendly 71 cm open bore with 55 x 55 x 50 cm spherical scan area
- Pianissimo, acoustic noise reduction system
- Low couchtop of 43 cm for easy patient access
- Connectivity of 128 coil elements with 8, 16 or 32 channel-readout
- Next generation of contrast-free angiography FBI, CIA, t-slip, TSA, HOP, FSBB
- Image recon of up to 12,600 img / s
- Intuitive M-Power graphical user interface

Toshiba · Vantage Elan

Gradient 33 mT / m
Gradient slew rate 125 mT / m / ms
Channels High Speed Switching

Highlights
- Patient friendly 63 cm open bore with 55 x 55 x 50 cm spherical scan area
- Pianissimo Σ , acoustic noise reduction system
- Low couchtop of 45 cm for easy patient access
- Next generation of contrast-free angiography FBI, CIA, t-slip, TSA, HOP, FSBB
- Image reconstruction rate of up to 12,600 img / s
- Intuitive M-Power graphical user interface
- Integrated cooling cabinet

Wandong · i_Magnate 1.5T MRI System

Field strength 1.5 T
Gradient 35 mT / m
Slew rate 128 T / m / s
Channels 8

Highlights
- Optical RF technology brings higher SNR and better image quality
- Short bore of 140 cm with a spacious bore diameter of 60 cm
- 8 – 32 channel parallel acquisition achieve higher scanning speed
- Zero helium consumption technology greatly lower running cost
- iPad / iPhone remote scan control and diagnosis
- Powerful workstation with abundant image processing function
- CE and FDA approved

Xingaoyi (XGY) · SUPERSCAN 1.5 T

Field strength 1.5 T
Gradient 30 mT / m
Slew rate 100 mT / m / ms

Highlights
- Full range of stanning sequences
- Best performance at low cost
- Matches a wide range of imaging needs in any hospital

OPEN

Esaote · G-scan Brio eXP

Field strength 0.25 T
Gradient 20 mT / m
Slew rate 56 mT / m / ms

Highlights
- G-scan Brio eXP is the third generation of dedicated MRI for MSK imaging in supine and weight-bearing position. In addition it can perform head examination for general screening.
- It provides a complete range of MRI imaging sequences, including the most advanced pulse acquisitions, such as Steady State and Fat&Water separation imaging.
- Weight-Bearing MRI gives an added diagnostic value for those pathologies not clearly defined in conventional MRI.

Esaote · O-scan eXP

Field strength 0.31 T
Gradient 20 mT / m
Slew rate 100 mT / m / ms

Highlights
- O-scan eXP is the third generation of dedicated MRI designed for imaging extremities.
- O-scan eXP provides an outstanding image quality in line with today's standards.
- O-scan eXP makes the typical exam time of 15 min per patient.
- O-scan represents a cost-effective solution to accomplish the current healthcare's needs.

Esaote · S-scan eXP

Field strength 0.25 T
Gradient 20 mT / m
Slew rate 56 mT / m / ms

Highlights
- S-scan eXP is the third generation of dedicated MRI for imaging of the spine and extremities. In addition it can perform head examination for general screening
- S-scan with eXP technology features an outstanding image quality in a fast scan time.
- S-scan is perfectly in line with today's need for efficient and economic health care, and is a sensible choice for any imaging center with a substantial musculoskeletal workload.

Hitachi · APERTO Lucent O5

Field strength 0.4 T
Gradient 25 mT / m
Slew rate 55 T / m / s

Highlights
- Wide, 320 degrees open permanent MRI system
- Features top field strength – 0.4 T – amongst the permanent MRI systems presently on the market
- Newly developed built-in technologies keep APERTO Lucent delivering image quality comparable with entry level HF MRI scanner
- Fast processing chain allows increasing patient throughput
- Reduced running costs allowing fast return of investment

Hitachi · AIRIS Vento O5

Field strength 0.3 T
Gradient 22 mT / m
Slew rate 55 T / m / s

Highlights
- Comfort class permanent open MRI system, which keeps enhanced capabilities meeting sophisticated open design
- Offers newly developed technologies available at an excellent cost of ownership
- High magnetic field homogeneity
- Environment friendly: extremely low power consumption and reduced installation requirements
- Low running costs allowing fast return of investment

Hitachi · OASIS

Field strength 1.2 T
Gradient 33 mT / m
Gradient slew rate 100 T / m / s
Channels 8

Highlights
- World's most powerful open MRI
- 1.2 T vertical field superconductive magnet for high SNR
- 270° panoramic view, accommodates claustrophobic, paediatric, obese patients
- Fully motorized extra wide 82 cm patient table (up to 300 kg)
- Two-pillar asymmetric design
- Soft Sound Technology
- Multiple coil connectors with Zenith solenoid element based, highly sensitive receiver coils

Hitachi · AIRIS Light

Field strength 0.25 T
Gradient 22 mT / m
Slew rate 55 T / m / s

Highlights
AIRIS Light – the economic, compact and wide open MR solution
- The open system architecture gives not only a feeling of security but also has considerable merits when taking care of small children and elderly patients
- The floating table allows to fit the system into small spaces while giving the possibility of placing the patient always in the centre to achieve high image
- Newly developed built-in technologies give you high performances in a small footprint system

Mindray Medical · MagSense 360 MRI System

Field Strength 0.36 T
Gradient 25 mT / m
Slew rate 60 T / m / s

Highlights
- Innovative InScan Technology
- Advanced Gradient system Design
- Ergonomic Design make you more comfortable
- Multi-clinical Applications satisfied doctors requirement
- Multiple coils selection make all examination reality

MRI safety in practice

Missing standardized MR labeling information – related to EN IEC 62570 "MR Safe"/"MR Conditional" labeling requirements for medical devices and MR accessories – endangers MR user and MR patient safety.

Commercially available accessories such as furniture, wheel chairs, instruments, gas cylinders, etc. can be ferromagnetic or electrically conductive. Those are not designed, thus contraindicated to be used in the MR environment (MRE).

Several health injuries have been reported by use of incorrect or unlabeled MR devices. EN IEC 62570[1] standards address "MR Safe"/"MR Conditional" marking and identification of test requirements for all items with intended use inside the MRE[3]. After technical training, the MR personnel, MR authorized person or MR worker must learn the terminology of the MR environment and how it is applied. MR user education for MR safety is offered by training courses as "MR safety expert (MRSE)", *www.mrcomp.com/mr-education.html*, Germany, DIN 6876[2] and OENORM 1125-1/-2 at AHK Wien.

Relevant MR interactions to consider:

MR safety

- Magnetically-induced displacement force exist for devices consisting of ferromagnetic materials
- Magnetically-induced torque aligns the device to the orientation of the field
- Gradient- & RF-induced heating / voltages
- Gradient-induced vibration
- Malfunction induced by all three fields

MR compatibility

- Image artefacts: can distort or misplace image information.
- Amongst further image quality interferences disturbing the MR image quality are e.g.:
  - B_0-inhomogeneities by ferromagnetic masses
  - Eddy currents by induced currents in electrically conductive components
  - RF noise emitted from unshielded accessories
  - Proton signals generated by hydrogen protons in plastics

More sophisticated electrical/active devices need additional consultation of ISO/TS 10974 test methods. Implant MR safety labeling can be found in MR safety implant databases such as www.MagResource.eu

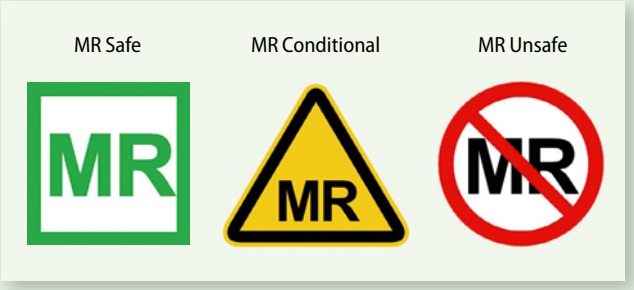


Fig 1: Standardized symbols and terms used in MR labeling, which are created for MR product approval at worldwide regulatory agencies

96 commercial available MRI products (*www.MRI-tec.com*, one-shop-stop, Germany) have been selected randomly and from throughout the daily use of MR clinical application:

- Audio and video systems
- Gurneys
- Goggles
- Injection systems
- Suction pumps
- Monitoring system
- Positioning
- Wheel chairs
- Anesthesia machines

The product documentation has been investigated for any existing MR labeling and the completeness of it. From 96 Products that have been analyzed, more than half of the investigated products have never been properly tested and assessed for safety in the MR environment.

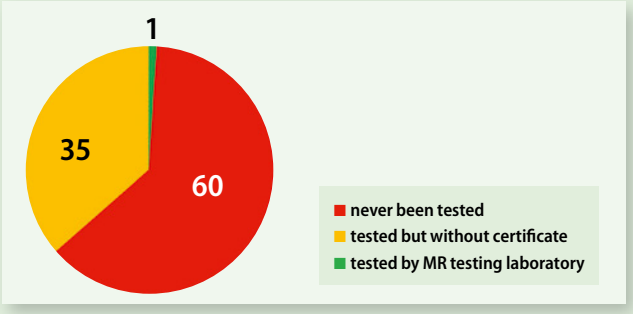


Fig. 2: Within the investigated 96 products 60 have never been properly tested and assessed for safety in the MR environment, 35 were tested but without any certificate, 1 was approved by MR testing laboratory

There could be fatal consequences if products contain ferromagnetic materials, be conductive, thus hurt the patient or have its function affected as well as disturbing the MR system, if a device is not fully tested. Individual MR Statements of manufacturers lead to caution, but cannot be considered as being sufficient for use in the daily clinical MR routine due to many factors resulting in unclear situations.

Comprehensive testing of all MR interactions is necessary and is only given by the international standards, which have reached nowadays a useful and comprehensive quality level. Only then MR user and MR patient safety is guaranteed.

www.mri-tec.com · www.mrcomp.com

[1] IEC 62570:2014 Standard practice for marking medical devices and other items for safety in the magnetic resonance environment

[2] DIN 6876. Operation of medical magnetic resonance systems. Berlin: German Institute for Standardization; 2014.

[3] Curr Radiol Rep (2016) Planning an MR Suite: What can be done to ensure MR safety? Gregor Schaefers, Björn Mierau Published online: 10 May 2016, Springer

OPEN

Siemens Healthineers · MAGNETOM C!

Field strength 0.35 T
Gradient 24 mT / m
Slew rate 55 T / m / ms

Highlights
- Smallest pole diameter (137 cm / 54 inches) for patient comfort
- True, multichannel, seamless imaging (up to 100 cm)
- No cryogen use and low power consumption
- Outstanding image quality at mid-field

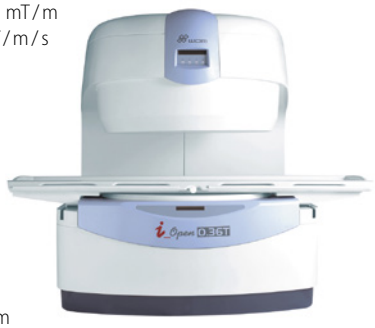
Wandong · i_Open 0.5T Permanent MRI System

Field strength 0.5 T
Channels 4 channels
Gradient 30 mT / m
Slew rate 80 mT / m / ms

Highlights
- Two column, large span, super open magnet design
- Six-way movement motorized / manual patient table
- Automatic laser positioning system with two-LCD touch screen control panel
- Four channels digital RF system
- Windows based imaging workstation with user friendly interface provides excellent user experience
- CE and FDA approved

Wandong · i_Open 0.36T Permanent MRI System

Field strength 0.36 T
Gradient 28.5 mT / m
Slew rate 95 T / m / s



Highlights
- C-Shape permanent magnet
- Multi-channel digital RF system
- Cross laser positioning system with two-LCD display panel
- CE and FDA approved
- ACR Accredited
- Windows 7 based imaging workstation with user friendly interface provides excellent user experience
- Experienced service team since first overseas installation in the U.S. in 2005

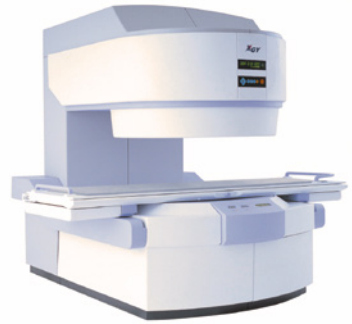
Xingaoyi (XGY) · OPER 0.5 T

Field strength 0.5 T
Gradient 24 mT / m
Slew rate 70 mT / m / ms

Highlights
- The first mid-field permanent magnet MRI system used in clinical applicationworldwide
- Full range of scanning sequences, best images
- High throughput, shorter scanning time

Xingaoyi (XGY) · OPER 0.4 T

Field strength 0.4 T
Gradient 20 mT / m
Slew rate 66 mT / m / ms



Highlights
- Higher SNR and larger imaging range with Multi-RF channels
- Excellent images and full range of scanning sequences
- Low power consumption, low failure rate, high operating ratio
- Requires little space for installation

Xingaoyi (XGY) · OPER 0.35 T

Field strength 0.35 T
Gradient 19 mT / m
Slew rate 66 mT / m / ms

Highlights
- Excellent images, full range of scanning sequences
- Low power consumption, low failure rate
- Small installation site

OPEN

Xingaoyi (XGY) · OPER 0.3 T

Field strength 0.3 T
Gradient 15 mT / m
Slew rate 48 mT / m / ms

Highlights
- Complete function, excellent images, full range of scanning sequences
- Clear quick scan image with high slew rate
- Extremely low power consumption and very low failure rate

MR-PET

Siemens Healthineers · Biograph mMR

Field strength 3T
Gradient 45 mT / m
Slew rate 200 T / m / s
Channels Up to 32

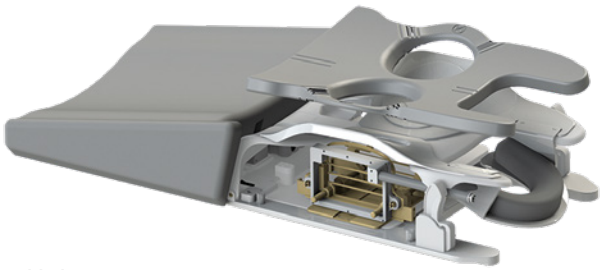
Highlights
- Largest customer base with over 70 installations worldwide
- State-of-the-art 3T MRI with 2nd order shim
- Comprehensive set of surface coils available for full range of MR-only exams
- Not only simultaneous, but synergistic MR-PET: MR-based motion compensation of PET images
- Whole-body attenuation MR-based attenuation correction including bones
- Up to 10 bed positions with MR-PET
- Latest applications available with *syngo* MR E11 software

syngo MR E11 for Biograph mMR is still under development and not commercially available yet. Its future availability cannot be ensured.

MRT COILS

NORAS · Breast Biopsy 6-Channel Coil Height-Adjustable

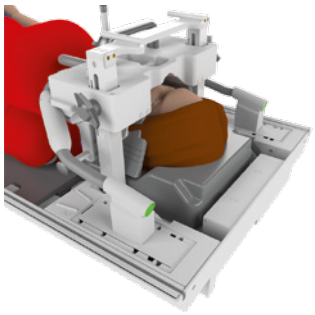
Field strength 1.5 and 3 T
Channels 6
System platform Siemens



Highlights
- Breast biopsy system, modularly expandable to 18-channel diagnosis coil (Compatible with Variety 16-Channel Multipurpose Coil).
- Breast biopsy solution for large and small breasts.
- Extended access for breast biopsy (laterally, medially and cranio-caudally)
- Lighting integrated in the patient rest (LED)

NORAS · Mandibula 15-Channel Dental Coil

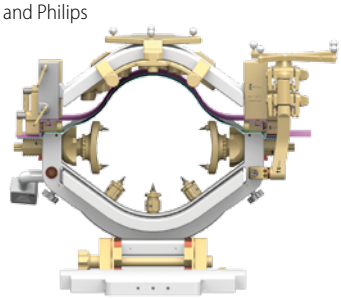
Field strength 1.5T, 3T
Channels 15
System platform Siemens Tim Systems



Highlights
- The "Mandibula" is a multi-element receive array and positioning system for 3D high-resolution dental and maxillomandibular MRI images.
- The coil provides high resolution dedicated MR imaging in dental area and reduces scan times.
- It ensures maximum patient comfort due to its design and accessories like a patient rest pillow, an open-mouth fixation mechanism and a both direction mirror.

NORAS · Neurosurgery Solution FLEXIBILITY

Field strength 1.5 and 3 T
Channels 8
System platform Siemens and Philips

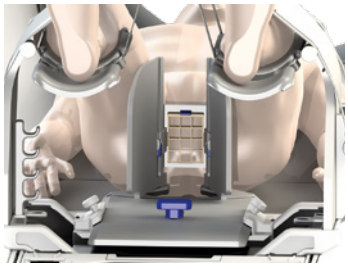


Highlights

The new NORAS Head Holder Flexibilty consists of a 8-channel iMRI Head Coil for imaging and intervention in a neurosurgical OR environment. Being height adjustable the setup enables optimal positioning in 70 cm bore systems. Moreover, the Head Holder is movable along the bore direction, which facilitates flexible patient positioning on the transfer board. Head fixations with 3 up to 5 pins are supported.

NORAS · Uni-Lift Prostate Intervention Device

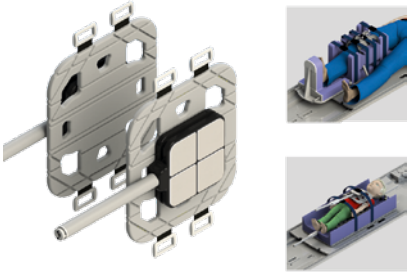
Field strength n / a
Channels n / a; Compatible with standard MR coil portfolio
System platform 70 cm Bore MR Systems



Highlights
- The "Uni-Lift" is a MR-compatible Holding Device for for MR-guided interventions of the prostate.
- It allows comfortable patient positioning in supine position, which guarantees excellent transperineal access for the performing physician towards the prostate in the MRI system.
- The Uni-Lift device can also be used for therapy of the prostate.

NORAS · Variety 16-Channel Multipurpose Coil with Positioning Aids

Field strength 1.5 and 3 T
Channels 16 (2 x 8)
System platform Siemens Tim Systems



Highlights

- The "Variety" is a 16-channel multipurpose flex coil, which has been developed for high flexibility during examination of challenging anatomic regions. The areas of application of the "Variety" include: diagnosis in orthopedics, pediatrics and veterinary medicine.
- Slim design and optional dedicated positioning aids enable coil placement close to anatomy of interest for optimal image quality.

ACCESSORIES / COMPLEMENTARY SYSTEMS

allMRI GmbH · Titanium instruments

Highlights

The low weight of titanium tools allows a less tiring use and is more resistant than steel. The Ti 6Al4V alloy is highly corrosion resistant salty and acid environments and fluids. Titanium is hypo-allergenic and thus is ideal for people with sensitive skin.
It can furthermore used in a MRI environment as titanium is MR-conditional.

allMRI GmbH · Foldable MRI wheelchair

Highlights

- MRI safe foldable wheelchair entirely made of 100 % thermoplastic
- Including the ball bearing
- Two swing out adjustable footrests and armrests
- Also solid rubber tires

allMRI GmbH · Prism glasses for claustophobic patients

Highlights

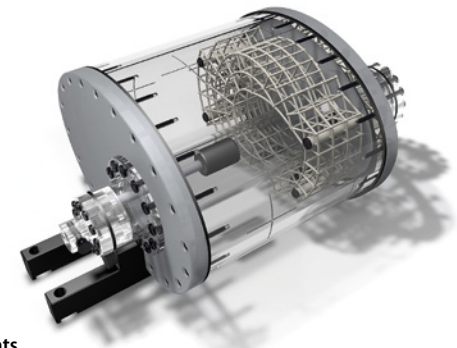
Glasses may be easily cleaned to be hygienically worn by multiple patients. Optical quality prisms enable patient to see outside the magnet bore to reduce claustrophobia.

allMRI GmbH · Stretcher

Highlights

- Tested at 3 Tesla
- Comes with two adjustable side rails
- Adjustable headrest
- Choice of 21 upholstery colours
- Weight capacity 200 kg
- Different heights available

GCTechnology · CIRS Phantoms



Highlights

- MRI-Linac Dynamic Phantom
- Main and Large field MRI distortion phantoms
- Triple Modality Abdominal Phantom
- Lumbar Training Phantom
- Anthropomorphic 3D Skull Phantom
- Multi-Modality Breast Biopsy and Sonographic Trainer
- Multi-Modality Prostate Phantoms
- Multi-Modality Pelvic-Phantom
- Gillian QA Phantom for distortion and alignment

ACCESSORIES / COMPLEMENTARY SYSTEMS

LEONI · Cable Systems

Highlights

LEONI cable harnesses and systems for medical devices integrate a wide variety of functions: besides energy supply and control, they can also transmit light and data up to including so-called assist functions, such as the cooling of device components. LEONI provides wiring services for MRTs and can collaborate in the development phase. As a systems supplier, LEONI provides consultation and analysis at local level, development and design of the optimum cabling and the supply of prototypes. In addition, LEONI offers individual and system verification testing, as well as customer-specific logistics solutions.

MRI-tec · Easy Roller

Highlights

- The best choice for MR Labs and Hospitals
- Certified as MR Safe MR
- Also usable for 7+ Tesla
- 100 % thermoplastic
- Back and seat are upholstered and combined with footrest
- High patient comfort
- Easy Access without having to dismantle the armrests
- Weight capacity 150 kg / 300 lbm
- 5 years warranty
- No loose parts – always ready to go
- Easy to clean

Philips · Refurbished Systems

Highlights

Philips Diamond Select provides reliable, like-new refurbished imaging systems at an attractive price. With the financial challenges in healthcare today, Diamond Select equipment is a simple, economical alternative to purchasing new equipment. Diamond Select offers up-to-date technology to expand the variety of high-quality services available to patients, while helping healthcare providers aim for increased profitability.
All systems undergo a thorough five-step refurbishment process in order to maintain the high standards set by Philips. The Philips Diamond Select line of fully configurable refurbished systems is available for the following imaging modalities: CT, MR, cardiovascular (CV) Xray, surgical / interventional X-ray, ultrasound and advanced molecular imaging.

Philips · Ambient Experience

Highlights

Ambient Experience is a purposely designed healthcare environment. With a refreshingly creative eye, Ambient Experience integrates technology, spatial design, and workflow improvements to create a more comfortable, stress-reducing environment for both patients and staff.

Every project is a solution tailored to suit individual institutional needs – guided by the four fundamental pillars of Ambient Experience:

- Physical and emotional comfort
- Patient and staff contact
- Experience personalization
- Hospital workflow

SCHILLER · MAGLIFE light

Highlights

- MRI compatible up to 3 Tesla
- Parameter: SPO2 and / or NIBP
- Mains and battery driven (1.5 hours)
- Optimized for day to day application
- No installation necessary
- HTML printing function
- Optimized for adult children and neonates

SCHILLER · MAGLIFE Serenity

Highlights

- Highest ECG quality even under strongest gradient influence
- MRI compatible up to 3 Tesla
- Optical core and skin temperature
- Configuration for anaesthesia, cardiac and intensive care applications
- Patented artefact inhibition
- Optimized for adult children and neonates
- Wireless Data Transmission
- Wireless or optically wired Sp02
- Mains and battery driven
- 12.1" color display

Injectors

INJECTORS

Bayer · MEDRAD Avanta Advanced Fluid Management System

Pressure 300 – 1200 PSI in increments of 1 PSI
Capacity 150 ml Selectable pressure increasement
Flow rate Fixed: 1 – 45 ml / sec in increments of 1 ml / sec
Variable: 1 – 10 ml / sec in increments of 0.1 ml / sec

Highlights
- Optimize Coronary Imaging
  - Avanta's dual-line tube enables real-time control of contrast media and saline
  - Precise flow rate achieved via Avanta's unique hand controller
- Optimize Workflow
  - Calibration not required for hand controller
  - Avanta's multi-patient tube, contrast syringe and hand controlle can be used for five consecutive patients
  - Only dual-line single-patient tube needs to be replaced

Bayer · MEDRAD Intego PET Infusion System

Flow rate 18F-FDG or 18F-Na

Highlights
- PET Infusion System for the dose administration of 18F-FDG or 18F-Na
- Automated dose preparation and patient infusion in a single mobile system:
  - Reduce radiation exposure to clinicians
  - Dose preparation, patient infusion, and saline flush all combined into one system enables accurate Delivered vs. Prescribed Dose (± 2 %)

Bayer · MEDRAD Dual Syringe CT Injector Stellant D

Syringe A and B: 200 ml
Pressure 325 psi (22.1 bar)
Flow rate A and B: 0.1 – 10 ml / secin 0.1 ml / sec increments

Highlights
- Saline Flush Capability for contrast efficiency
- Automated loading, filling, and priming
- Simultaneous injection of saline and contrast media
- Scanner and injector synchronization (optional)

Bayer · MEDRAD Mark 7 Arterion

Syringe 150 ml
Pressure 100 – 1,200 psi
Flow rate 0.1 – 45.0 ml / sec; 0.1 – 59.9 ml / min; 0.1 increments

Highlights
- The Mark 7 Arterion Injection System is MEDRAD's latest angiographic injector
- The Mark 7 Arterion is lighter, more maneuverable and easier to use so you can focus more on the patient
- It has a clear and intuitive user interface and a unique front-load system to simplify set-up and tear-down
- The clear syringe facilitates purging air
- Multiple configurations for maximum flexibility

Bayer · MEDRAD MRXperion

Syringe Contrast media 65 ml – Saline 115 ml
Pressure Maximum 325 psi / 2,240 kpa
Flow rate Selectable from 0,01 ml / sec to 10 ml / sec

Highlights
- Streamlined Injection Workflow allows more focus on the patient
- Enhanced Point of Care by bringing more injector functionality into the scan room
- Informatics-ready – Radimetrics Enterprise Platform connectivity facilitates standardized injection protocols and operational consistency
- Maximized Uptime Support – VirtualCare Remote Service enhances injector up-time

Bayer · MEDRAD Spectris Solaris EP

Syringe	Contrast media 65 ml – Saline 115 ml
Pressure	Maximum 325 psi / 2,240 kpa
Flow rate	Selectable from 0,01 ml / sec to 10 ml / sec

Highlights

- Flexible power management with battery operation or continuous battery charging through AC power connection
- Pressure Limit selection from one of six preset maximum pressure limits, and the ability to view pressure during injection on the control room display
- 3T compatibility
- Multiphase injection control with 6 user-programmable phases including PAUSE and HOLD
- Programmable KVO

Beyond the scanner

Bayer's comprehensive solution for integrated diagnostic imaging

The angiographic injector Bayer-MEDRAD Mark 7 Arterion: light, easy to use with a clear user interface and multiple configuration in order to provide flexibility

As a true Life Science company and reliable partner Bayer is committed to your diagnostic confidence and operational efficiency. We are constantly developing products, tools and services that improve diagnostic imaging beyond the scanner: optimized contrast administration and workflow are at the core of our offerings with contrast media, smart injection devices, informatics solutions that help to analyze and take action all topped by our excellent and renowned customer service.

Contrast media power your outcome

Contrast media are powerful and well-established diagnostic tools in MRI as well as in CT. In MRI, Bayer's contrast medium Gadovist® has contributed substantially to the advance of new MRI techniques, such as fast dynamic MRI which requires a tight bolus of contrast medium to produce an optimal signal.[1] Primovist® is a liver-specific contrast agent for MRI which allows detection and characterization of liver lesions in one single diagnostic work-up.[2] In CT, Ultravist® is an iodine-containing X-ray contrast agent, approved for all modern CT techniques with a track record of more than 200 million procedures worldwide and more than 15 million administrations every year. However, in spite of these impressive facts, we at Bayer think that the success story of contrast media in radiology has not yet finished. Hence Bayer is one of the very few manufacturers worldwide that still invests in research and development of new contrast media.

Injection the smart way

Power injection systems in diagnostic imaging and interventional radiology have largely contributed to optimized diagnostic efficacy and confidence. Today, many imaging and interventional studies in CT and MRI require such injection systems, for example angiography, three-phase liver studies, pre- and post-stent analysis, and perfusion studies of the brain. As a developer and manufacturer of power injection systems, Bayer combines diverse scientific areas such as computer science, advanced electronics, physics, and chemistry to develop injection systems that constantly deliver optimal imaging results. Bayer offers a wide range of injectors tailored to meet the specific requirements of CT, MRI and nuclear medicine. In angiography, the new Medrad® Mark 7 Arterion Injection System takes advantage of the latest technologies, making it light, maneuverable, and easy to use, while the flexible Medrad® Avanta Fluid Management Injection System increases diagnostic precision as well as patient safety during cardiac imaging procedures. The Medrad® MRXperion is a smart, new performer in the MRI suite, delivering confidence and peace of mind through innovative contrast delivery and management. In nuclear medicine, the Medrad® Intego PET infusion system reduces clinicians radiation exposure, improves personalized patient care and drives operational efficiency.

Our CT injection systems (Medrad® Stellant, Medrad® Salient) are based on tried and tested technology with an excellent reliability track record. The highly flexible and easy to use injectors of the Medrad Stellant series meet the needs of even the most advanced CT imaging procedures and contribute to an improved workflow. The Medrad Stellant injectors, together with the above mentioned MRXperion, are IT-ready and available with the Certegra® Workstation, intelligently connecting contrast media, injector and patient information with CT scan and other data from the RIS/HIS of your institute for highly reproducible results.

The new Bayer-MEDRAD MRXperion: thanks to its streamlined Injection Workflow allows more focus on the patient. It is Informatics-ready in order to facilitate and optimize protocols

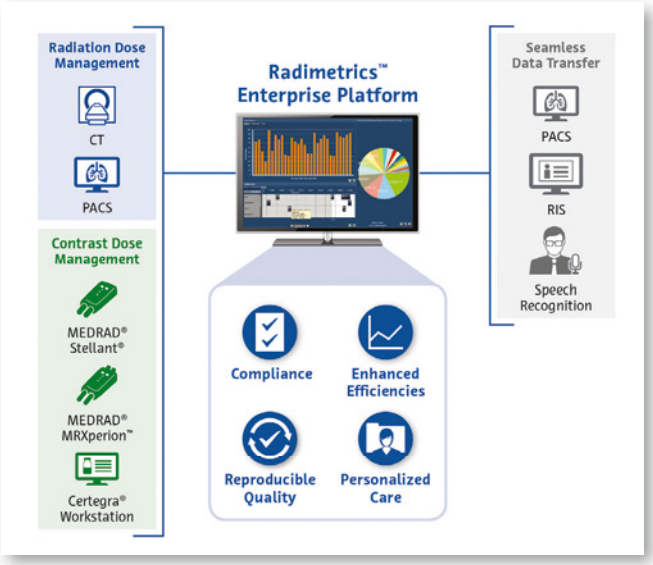
The power of connected radiology: Informatics Solutions

No other specialty exceeds radiology in its need for managing big data. Proper integration of advanced informatics systems into radiology department offers multiple benefits such as improved diagnostic accuracy and enhanced communication with patients, colleagues, and referring physicians, and at the same time avoids the data overload that already exists. One should keep in mind that to maximize the gain of the informatics solutions, their integration and implementation has to occur seamlessly. To this end Bayer has developed the web-based vendor neutral Radimetrics™ Enterprise Platform*.

Radimetrics is a multi-modality solution, spanning CT, NM, X-ray, MRI interventional and many more. It provides radiation dose, contrast dose and scanner usage information all in one user experience. Through integration into the existing IT infrastructure and radiology equipment via the respective interfaces, Radimetrics intelligently connects contrast, injector and scan information into a seamlessly smart solution. Together with Radimetrics dataanalysis capabilities this helps institutions generate diagnostic quality images more safely, consistently and efficiently, in line with radiation standards and regulations, and facilitates information exchange with other involved parties, such as healthcare systems or dose registries.

While Radimetrics collects and distributes information at the enterprise level, the Certegra products provide support at the point of care, allowing for greater control over the quality and consistency of patient care. Transcription errors are reduced and the workflow is accelerated through the integrated data capture, tracking and distribution capabilities of Certegra. Key features of the Certegra products are personalized contrast dose management, user-friendly point of care data entry.

* Requires Medrad injection system and Certegra Workstation



Radimetrics Enterprise Platform is a web-based system for monitoring and managing patient radiation exposure and contrast dose, it intelligently connects with radiology workflow and the hospital IT infrastructure

Peace of Mind with Bayer Equipment Service

The Bayer Equipment Service optimizes uptime, maximizes value and ensures safety, so you will always get the best out of your Bayer product. This customized service approach, which includes predictive maintenance, calibrations and remote support, guarantees Bayer products keep performing at their peak efficiency, giving customers the peace of mind to focus entirely on their patients.

Our goal at Bayer is integration within radiology

Bayer Radiology's range of products covers everything beyond the scanner, from a large selection of contrast media to power injectors and from innovative informatics solutions to our excellent Equipment Service. Radiology gets smarter and so does our portfolio of all you need to improve your imaging acquisition workflow. This integrated approach has resulted in one of the most comprehensive packages of radiology products available and guarantees that Bayer Radiology is more than just the sum of its parts. Combined modality scanners, computer-aided diagnosis, data management – there are many future challenges in the field of radiology. Bayer Radiology keeps track of current developments and provides customers with the products, services and the knowledge to master these challenges.

www.radiology.bayer.com

References

1 Scott LJ. Clin Drug Investig. 2013; 33(4):303-14
2 Zech CJ et al. Magn Reson Med Sci. 2007; 6(1):43–52

INJECTORS

Bracco · CT Exprès

Syringe Syringeless injector
Pressure 9.1 bar max
Flow rate 0.5 – 9.9 mL / s in steps of 0.1 mL / s
Application CT

Highlights
- Direct injection from contrast media bottles
- Air and occlusion detection on fluid channels
- Unidirectional flow of fluid
- Locking and automatic filling
- Digital interface, dual touch screens
- DiluJect (optional): contrast media and saline are injected in rapidly alternating flow through the injector
- Day Set III *HP* designed for 24 hours
- Pre-warmed contrast media maintained at 37 °C

Bracco · EmpowerCTA+

Syringe 200 ml (CM), 200 ml (NaCl)
Pressure 40 to 325 psi in user-specified increments of 1 psi
Flow rate 0.1 to 10.0 ml / sec in user-specified increments of 0.1 ml / sec
Application CT

Highlights
- Tilt sensor / lockout
- Arming at the injector
- Independently rotating and very compact injector head (270 degrees)
- Integrated electroluminescent display
- Modular flexibility of components and WINDOWS based software allow optimal serviceability and enhanced expandability
- Touch-screen color LCD display and intuitive software

Bracco · EmpowerMR

Syringe 100 ml (CM), 100 ml (NaCl)
Pressure 40 to 300 psi in user-specified increments of 1 psi
Flow rate 0.1 to 10.0 ml / sec in user-specified increments of 0.1 ml / sec
Application MR

Highlights
- Hydraulic injector system
- MRI compatible through the use of polymers and non-ferromagnetic metals
- Little contrast media waste due to the very short distance between injector head and patient
- Very lightweight injector head
- No active components in the shielded room (no battery)

MEDTRON AG · Accutron CT

Flow rate 0.1 – 10 ml / s, programmable in steps of 0.1 ml / s
Capacity 200 ml Easy Loading Syringe (ELS)
Max. injection pressure 21 bar (304 psi)
Syringe Automatic or manual filling, filling speed 1 – 5 ml / s, optimized tube systems with check valve

Highlights
- Wireless injector unit, rechargeable batteries
- Integrated heated syringe holder with Easy Loading Syringe (ELS) 200 ml
- Touchscreen control panel with different languages
- Wireless touchscreen remote control
- Secured injection position (built-in sensor)
- Aluminium housing
- Use of prefilled syringes (as an option)

MEDTRON AG · Accutron CT-D

Flow rate For both injection units: 0.1 – 10 ml / s, programmable in steps of 0.1 ml / s
Capacity 200 ml (CM), 200 ml (NaCl) Easy Loading Syringe (ELS)
Max. injection pressure 21 bar (304 psi)
Syringe Automatic or manual filling, filling speed 1 – 5 ml / s, optimized tube systems with check valve

Highlights
- Wireless injector unit with rechargeable batteries
- Integrated heated syringe holder for Easy Loading Syringe (ELS)
- Wireless touchscreen remote control
- Use of prefilled syringes (as an option)
- Secured injection position (built-in sensor)
- Alternatively, display of injection parameters or pressure graph
- Aluminium housing – wall or ceiling suspension
- CANopen Interface (as an option)

MEDTRON AG · Accutron HP

Flow rate	Angio mode: 0.1 – 30 ml / s, CT mode: 0.1 – 10 ml / s, programmable in 0,1 ml / s increments
Capacity	200 ml
Max. injection pressure	Angio mode: 83 bar (1,200 psi), CT mode: 21 bar (305 psi), programmable in 1 bar increments
Syringe	Automatic or manual filling, filling speed 1 – 4 ml / s, opt. high-pressure tube systems with check valves

Highlights
- Fast high-pressure injections for angiography and multiphase injection profiles for CT
- Wireless injector unit with rechargeable batteries
- Wireless touchscreen remote control (option)
- Wall or ceiling suspension system
- Integrated heated syringe holder for Easy Loading Syringe (ESL) 200 ml
- 120 injection profiles can be stored (60 angio / 60 CT)
- Aluminium housing – Interface (option)

MEDTRON AG · Accutron HP-D

Flow rate	Angio mode: 0.1 – 30 ml / s, CT-mode: 0,1 – 10 ml / s, programmable in 0,1 ml / s increments
Capacity	200 ml (CM), 200 ml (NaCl) Easy Loading Syringe (ELS)
Max. injection pressure	Angio mode: 83 bar (1,200 psi), CT mode: 21 bar (305 psi), programmable in 1 bar increments
Syringe	Automatic or manual filling, filling speed 1 – 4 ml / s, opt. high-pressure tube systems with check valves

Highlights
- The perfect companion for your advanced imaging procedures
- Designed for C-Arm Cone Beam CT sequences
- Optimized for Flat Detector CT imaging
- Improved venous explorations
- Stay mobile

MEDTRON AG · Accutron MR

Flow rate	0.1 – 10 ml / sprogrammable in 0.1 ml / s increments
Capacity	64 ml or 200 ml (CM), 64 ml or 200 ml (NaCl) Easy Loading Syringe (ELS)
Max. injection pressure	21 bar (304 psi)
Syringe	Automatic or manual filling, filling speed 1 – 5 ml / s, optimized tube systems with check valve

Highlights
- Wireless injector unit with rechargeable batteries
- Touchscreen control panel with different languages
- Wireless touchscreen remote control
- Up to six phases – secured injection position
- Use of prefilled syringes (as an option)
- Alternatively, input of flow rate or phase duration
- Injection parameter monitoring
- Now with two remote controls

MEDTRON AG · Accutron MR3

Flow rate	CM / NaCl: 0,1 – 10 ml / s, programmable in 0,1 ml / s, increments, Infusion pump: 0,001 – 30 ml / min
Capacity	CM: 64 ml (ELS), NaCl: 200 ml (ELS) Infusion pump: 50 ml
Max. injection pressure	21 bar
Syringe	Automatic or manual filling, filling speed 1 – 4 ml / s, optimized tube systems with check valve

Highlights
- Contrast medium injector with integrated infusion pump
- Infusion of medication even during the MR-examination
- MPRO Assist (MEDTRON ProfilAssistent) simplifies dose calculation for CARDIAC STRESS MR-exams
- Extended compatibility with contrast pre-filled syringes
- Memory of the last 40 injections

Interventional Systems

Hybrid-OPs

Bi-Plane

Single Plane

Surgical II-C-Arms

Surgical Flat Panel C-Arms

Accessories / Complementary Systems

DOTmed®

DMS IMAGING

INTERMEDICAL

GCTechnology GmbH

GMM

GE Healthcare

LEONI

iae

PHILIPS

PrimaX international

HOLOGIC® The Science of Sure

SIMAD X-RAY MEDICAL TECHNOLOGY

A Sago Medica Company

SHIMADZU Excellence in Science

stephanX RADIOLOGICAL SOLUTIONS

TECHNIX

VILLA

TOSHIBA

SIEMENS Healthineers

ziehmimaging

WDM

HYBRID-OPS

GE Healthcare · MR Surgical Suite & Optima MR450w 1.5 T

Gradient 34 mT/m (XP 44 mT/m)
Slew rate 150 T/m/s (XP 200 T/m/s)
Channels 32 up to 128

Highlights
- Surgical Suite is a solution for enabling pre-operative, intra-operative, and post-operative MRI imaging for a patient undergoing neurosurgery.
- Includes all necessary additional equipment and offers the combination of a fully equiped Maquet OP table with a state of the art MRI

Philips · Sonalleve MR-HIFU

Highlights
- A non-invasive treatment stage in which a high-intensity focused ultrasound energy beam penetrates through the skin and soft tissue, causing localized high temperatures to coagulate tissue only in the focus area and leaving the skin and intermediate tissue unharmed. The process is monitored and controlled by MR imaging and feedback. During treatment, the ultrasound focus is moved electronically over the volume to be ablated
- A therapy verifi cation stage in which contrast-enhanced MRI is used to assess the procedure

Sonalleve MR-HIFU and some of its applications are not available in all countries.

Philips · Ingenia MR-OR

Highlights
- Ingenia MR-OR intraoperative MRI delivers high-quality images during neurosurgical procedures. It helps you gain up-to-date insight on surgical progress and tumor resection to support confident intraoperative decisions and update neuronavigation. The solution supports smooth, in-line patient transfer between the operating room and the Philips Ingenia MR system, with minimalprocedure time added.
- Acquire up-to-date, detailed MR imaging data at virtually any time during surgery
- Implement efficient neurosurgical workflows
- Drive cost-effectiveness and excellent use of resources

Philips · Ingenia MR-RT

Highlights
- The Ingenia MR-RT is designed to provide high-quality MR images acquired in the treatment position that can enhance accuracy in delineating tumors and critical structures for treatment planning purposes.
- It is compatible with the Philips Ingenia MR product line: Ingenia 1.5T and Ingenia 3.0T with dStream digital architecture and 70 cm bore
- Smoothly integrate MRI through a comprehensive solution that considers your whole workflow – even for MR-only simulation.

Siemens Healthineers · MIYABI Angio-CT

Design Integration of high-end CT imaging with C-arm angiography system

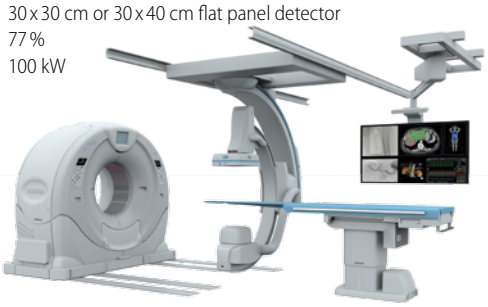
Highlights

Powerful Interplay between Angio and CT delivers state-of-the-art image-guidance
- Quickly switching modalities makes routine cases easier
- Complex cases become possible with roadmaps free of breathing artifacts
- Increase capacity – let one CT serve two rooms
- Intra-operatively evaluate response and personalize treatment with CT-Perfusion and TwinBeam Dual Energy

MIYABI Angio-CT is a customized solution

Toshiba · Infinix 4DCT

Design Integration of High End CT with dedicated Angiography system
Detector 30 x 30 cm or 30 x 40 cm flat panel detector
DQE 77 %
Power 100 kW



Highlights

This integrated system combines premium CT and ceiling-mounted angiography technology. The perfect diagnostic and treatment set-up for high-risk procedures in various interventional segments such as:
- Interventional Oncology
- Trauma
- Neuro / Stroke
- General Vascular
- Additional or Backup CT

The system is available with 3 different CT configurations: Aquilion ONE – Aquilion PRIME – Aquilion LB

BI-PLANE

GE Healthcare · Innova IGS 630

DQE 77 %
Detector Biplane Angio system
Size 30 x 30 cm frontal / 30 x 30 cm lateral

Highlights
- Optimal detector size for dedicated neuro applications
- Innova CT HD, enhanced 3D imaging
- High detector DQE and AutoEx for dose optimization
- Advanced 3D guiding technology
- Integrated large display monitor

GE Healthcare · Innova IGS 620

DQE 79 %
Detector Biplane cardiac system
Size 20 x 20 cm frontal / 20 x 20 cm lateral

Highlights
- Smart gantry for optimal C-arm positioning
- High detector DQE and AutoEx for dose optimization
- Complete integration of intra-vascular-ultrasound, FFR
- InnovaSense patient contouring
- Integrated large display monitor

Philips · AlluraClarity FD20/10 and FD20/20

Detector a-Si / CsI
Pixel size 1,920 x 2,480 pixels, 3.25 lp/mm for Frontal, FD 20 / 10, Frontal and lateral for FD 20 / 20 and 1,024 x 1,024 pixels, 2.72 lp / mm for thelateral C-arc of FD20/10

Highlights
- Opens the door to more interventional procedures
- 2 k digital imaging chain provides crisp, virtually distortion-free visualization of small details and objects for vascular interventions
- Unique Live 3D guidance provides extra insight for complex interventional radiology procedures
- Multi-modality information is brought together in your work area
- Full portfolio of interventional tools, 3D-RA, 3D-Roadmapping, XperCT and XperGuide

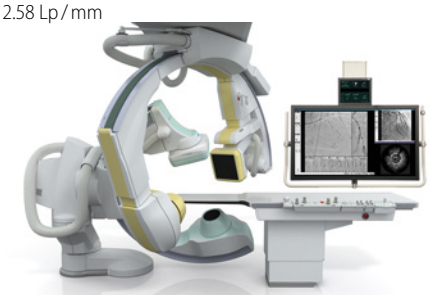
Philips · Allura Xper FD20/10 and FD20/20

Detector a-Si / CsI
Pixel size 1,920 x 2,480 pixels, 3.25 lp / mm for Frontal FD 20/10, Frontal and lateral for FD20 / 20 and1,024 x 1,024 pixels, 2.72 lp / mm for thelateral C-arc of FD 20 / 10

Highlights
- DoseWise offers low X-ray dose and excellent image quality
- 2 k digital imaging chain provides crisp, virtually distortion-free visualization of small details and objects for vascular interventions
- Unique Live 3D guidance provides extra insight for complex interventional radiology procedures
- Multi-modality information is brought together in your work area.
- Full portfolio of interventional tools, 3D-RA, 3D-Roadmapping, XperCT and XperGuide

Shimadzu · Trinias B12 / B8 MiX package

Size 12" x 12" (30 x 30 cm) / 8" x 8" (20 x 20 cm)
Detector Dynamic flat panel detector (CsI)
Resolution 2.58 Lp / mm



Highlights
- Wide coverage for smooth operability
- SCORE PRO Advance image processing technology
- Unique pioneering imaging technology: motion-tolerant SCORE RSM
- SCORE StentView+Plus
- SCORE CT
- SCORE 3D
- SCORE Navi / Navi+Plus
- SMART design concept
- Comprehensive dose management package

Siemens Healthineers · Artis biplane

Power 100 kW
Detector a-Si / CsI, 20 x 20 (1,024 x 1,024 pixels), 184 µm
a-Si / CsI, 30 x 40 (1,920 x 2,480 pixels), 154 µm
zen30HDR, hi-res cristalline silicon / CsI, (1,792 x 1,632 pixels), 160 µm

Highlights
Biplane system for interventional imaging. The Artis biplane system offers high performance in interventional imaging combined with high positioning flexibility.
- Left-side biplane imaging position for free head access
- Single plane operation with extended position flexibility enabled by rotated table
- Ergonomic system controls for smooth table-side operation
- 3D acquisition rate up to 75 f / s

Toshiba · Infinix CF-i Bi-Plane

Design Unique lateral Omega-arm movement
Detector Two 20 x 20 cm flat panel detectors
DQE 77 %
Power 100 kW

Highlights
Cardio intervention demands speed, precision, and optimum performance. The Infinix CF-i Bi-Plane is designed to take advantage of the latest technological innovations to reduce dose for patients and staff. A revolutionary graphic user interface and multi-tasking computer enable the system to fully meet your requirement for high image quality, safety, ease of use, efficiency and improved workflow.

Toshiba · Infinix DP-i

Design Dual Plane cardiac and vascular system in single room
Detector 20 x 20 cm and 30 x 40 cm flat panel detectors
DQE 77 %
Power 100kW

Highlights
- A single room X-ray solution with two C-arms both with dedicated imaging chains for interventional cardiac and angiography procedures that share a common generator, table, monitors and digital acquisition system. Designed for both diagnostic and interventional examinations.
- Space, time and dose saving technology are key design elements of the dual plane Infinix DP-i.

Toshiba · Infinix VF-i Bi-Plane

Design Unique lateral Omega-arm movement
Detector 30 x 30 cm with 30 x 30 cm or 30 x 30 cm with 30 x 40 cm flat panel detectors
DQE 77 %
Power 100 kW

Highlights
Vascular intervention demands speed, precision, and optimum performance. The Infinix VF-i BP is designed to take advantage of the latest technological innovations to reduce dose for patients and staff. A revolutionary graphic user interface and multi-tasking computer enable the system to fully meet your requirement for high image quality, safety, ease of use, efficiency and improved workflow.

SINGLE PLANE

GE Healthcare · Discovery IGS 740

DQE 77 %
Detector a-Si
Size 41 x 41 cm

Highlights
- Laser-guided system
- Multiple parking and back-out positions
- Large field of view for big anatomies coverage
- Latest 3D Advanced Applications
- Wide Bore 3D for easier 3D acquisition
- Arm trajectories for Interventional Radiologist
- High detector DQE
- AutoEx: Dynamic exposure optimization
- Integreated large display monitor
- Functionalities integration at tableside

GE Healthcare · Discovery IGS 730

DQE 77 %
Detector a-Si
Size 30 x 30 cm

Highlights
- Laser-guided system
- Multiple parking and back-out positions
- Optimal detector size for hybrid procedures
- Latest 3D Advanced applications
- Wide Bore 3D for easier 3D acquisition
- High detector DQE
- AutoEx:Dynamic exposure optimization
- Integrated large display monitor
- Functionalities integration at tableside

GE Healthcare · Innova IGS 540

DQE 77 %
Detector 2 k a-Si
Size 41 x 41 cm

Highlights
- Large imaging Field of View
- High detector DQE and AutoEx for dose optimization
- Latest 3D-guiding solutions
- Integrated large display monitor
- Functionalities integration at tableside

Continuous leadership in flat-panel detectors for mobile C-arms

10 years of flat-panel technology

Ziehm Vision FD – Equipped with the latest CMOS flat-panel detector

For many reasons – including shrinking reimbursements and an ever-increasing aging population – the demand for efficient high-quality care is rising. This is why 12 percent of all Ziehm Imaging employees dedicate their work and expertise in researching and developing innovative hardware, software, clinical applications, and other solutions to enhance clinical benefits in daily clinical routine.

One of these innovations came to life in 2006, with the introduction of flat-panel detectors (FD) in a mobile C-arm. Ziehm Imaging initiated the paradigm shift from image intensifiers (I.I.) to flat-panel detectors, providing innovative detector technologies for mobile X-ray imaging. Other C-arm competitors followed, confirming the trend by implementing amorphous silicon (aSi) flat-panel detectors in their mobile systems.

Now, 10 years later, Ziehm Imaging is continuing to drive innovation with its latest flat-panel detectors. The company is setting new standards in intraoperative visualization by delivering the best image quality while minimizing dose. Ziehm Imaging's flat-panel detectors identify more anatomical structures than conventional C-arms with image intensifiers, increasing surgical efficiency.

With the introduction of CMOS technology as an alternative to aSi detectors, Ziehm Imaging reaffirms its innovation leadership by reducing the compromise between the image quality of FD technologies and the cost efficiency of I.I. systems.

BENEFITS OF FLAT-PANEL TECHNOLOGY IN A NUTSHELL

- Improved image quality through distortion free visualization of even the smallest anatomical structures
- Optimal contrast of soft tissues and bones
- Additional field of view thanks to the square shape of the detector
- Ergonomic patient access and improved view of the surgical field through compact detector design
- Easy positioning thanks to significantly larger C-arm opening and up to 165° orbital rotation

"I am convinced that our latest flat-panel detector generation further strengthens Ziehm Imaging's technological leadership by combining outstanding image quality and efficient workflow. Overall, our CMOS flat-panel detector is an excellent package offering more possibilities and benefits for the clinician while keeping dose levels minimized." said Klaus Hörndler, CEO of Ziehm Imaging.

www.ziehm.com

SINGLE PLANE

GE Healthcare · Innova IGS 530

DQE 77 %
Detector 1.5 k a-Si
Size 30 x 30 cm

Highlights
- Optimal detector size for combo procedures
- Fast gantry with patient contouring system
- High detector DQE and AutoEx for dose optimization
- Integrated large display monitor
- Functionalities integration at tableside

GE Healthcare · Innova IGS 520

DQE 79 %
Detector 1 k a-Si
Size 20 x 20 cm

Highlights
- Optimal detector size for cardiac interventions
- A set of advanced clinical tools to help Plan, Guide, Assess complex procedures
- Fast gantry with patient contouring system
- High detector DQE and AutoEx for dose optimization
- Integrated large display monitor
- Easy accessibility to functions at table side

GE Healthcare · Optima IGS 330

DQE 77 %
Detector 1.5 k a-Si
Field of View 31 x 31 cm

Highlights
- Optimal detector size for general combo procedures
- A set of clinical tools including 3D imaging capabilities to meet the needs of a wide range of interventional cardiology & interventional radiology procedures

GE Healthcare · Optima IGS 320

DQE 79 %
Field of View 20 x 20 cm
Detector 1 k a-Si

Highlights
- Optimal detector size for general cardiology and electrophysiology procedures
- A set of visualization and quantitative analysis tools dedicated to cardiologists needs
- Low frame rate to minimize dose even further for electrophysiology procedures

INTERMEDICAL · RADIUS XP 100 CARDIO – CEILING SUSPENDED

Power 100 kW
Detector Digital Flat Panel Detector 30 x 30 and 20 x 20 cm
II format Availbale also with Image Intensifier 9" and 13"

Highlights
The new solution for the market demand: higher features at a lower price! Excellent manouvrability with a slim-line design.
- Up to 1,000 mA, 100 kW power
- Liquid cooled X-ray tube
- Suspended LCD screens
- Control room screens
- E-motion remote control (all C-arm movements are motorized)
- Modular software configurations suitable for all range of applications

INTERMEDICAL · RADIUS XP 100 CARDIO – FLOOR BASED

Power 100 kW
Detector Digital Flat Panel Detector 30 x 30 and 20 x 20 cm
II format Availbale also with Image Intensifier 9" and 13"

Highlights
The new solution for the market demand: higher features at a lower price! Excellent manouvrability with a slim-line design.
- Up to 1,000 mA, 100 kW power
- Liquid cooled X-ray tube
- Suspended LCD screens
- Control room screens
- E-motion remote control (all C-arm movements are motorized)
- Modular software configurations suitable for all range of applications

SINGLE PLANE

Philips · AlluraClarity FD20 Series

Detector a-Si / CsI
Pixel size 1,920 x 2,480 pixels, 3.25 lp / mm (30 x 38 cm)

Highlights
- Opens the door to more interventional procedures.
- 2 k digital imaging chain provides crisp, virtually distortion-free visualization of small details and objects for vascular interventions
- Unique Live 3D guidance provides extra insight for complex interventional radiology procedures
- Multi-modality information is brought together in your work area.
- Full portfolio of interventional tools, 3D-RA, 3D-Roadmapping, XperCT and XperGuide

Philips · Allura Xper FD20 Series

Detector a-Si / CsI
Pixel size 1,920 x 2,480 pixels, 3.25 lp / mm (30 x 38 cm)

Highlights
- DoseWise offers low X-ray dose and excellent image quality
- 2 k digital imaging chain provides crisp, virtually distortion-free visualization of small details and objects for vascular interventions
- Unique Live 3D guidance provides extra insight for complex interventional radiology procedures
- Multi-modality information is brought together in your work area
- Full portfolio of interventional tools, 3D-RA, 3D-Roadmapping, XperCT and XperGuide

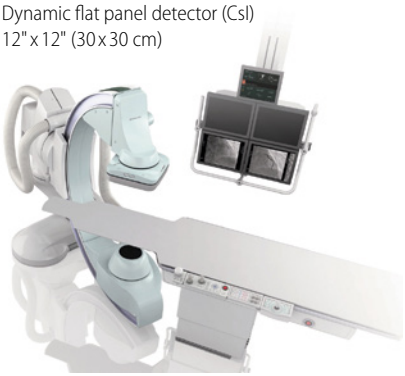
Shimadzu · BRANSIST alexa C12 MiX package

Resolution 2.58 Lp / mm
Detector Dynamic flat panel detector (CsI)
Size 12" x 12" (30 x 30 cm)

Highlights
- Ceiling-mounted C-arm
- Wide coverage of C-arm (287 cm longitudinal and 160 cm transverse movement)
- Direct Memory offers unsurpassable ease of operation
- Unique pioneering imaging technology – RSM-DSA
- SCORE StentView: precise real-time stent display in fixed position
- SCORE Pro Advance Advance: real-time image enhancement processing technology

Shimadzu · BRANSIST alexa F12 MiX package

Resolution 2.58 Lp / mm
Detector Dynamic flat panel detector (CsI)
Size 12" x 12" (30 x 30 cm)



Highlights
- Floor-mounted C-arm
- High sensitive detector technology for outstanding image quality
- Six-axis triple-pivot construction for wide body coverage
- SCORE Pro Advance: real-time image enhancement processing technology
- Unique pioneering imaging technology – RSM-DSA

Shimadzu · Trinias C12 / C8 MiX package

Resolution 2.58 Lp / mm
Detector Dynamic flat panel detector (CsI)
Size 12" x 12" (30 x 30 cm) / 8" x 8" (20 x 20 cm)

Highlights
- Wide coverage for smooth operability
- SCORE PRO Advance image processing technology
- Unique pioneering imaging technology: motion-tolerant SCORE RSM
- SCORE StentView+Plus
- SCORE CT
- SCORE 3D
- SCORE Navi/Navi+Plus
- SMART design concept
- Comprehensive dose management package

Shimadzu · Trinias F12 / F8 MiX package

Resolution 2.58 Lp / mm
Detector Dynamic flat panel detector (CsI)
Size 12" x 12" (30 x 30 cm) / 8" x 8" (20 x 20 cm)

Highlights
- Wide coverage for smooth operability
- SCORE PRO Advance image processing technology
- Unique pioneering imaging technology: motion-tolerant SCORE RSM
- SCORE StentView+Plus
- SCORE CT
- SCORE 3D
- SCORE Navi / Navi+Plus
- SMART design concept
- Comprehensive dose management package

Shimadzu · Trinias MiX Hybrid package

Resolution 2.58 Lp / mm
Detector Dynamic flat panel detector (CsI)
Size a-Si, 12" x 12" (30 x 30 cm)

Highlights
- High sensitive detector technology for outstanding image quality
- SCORE PRO Advance: real-time image enhancement processing technology
- High-speed C-arm to perform 3D examinations
- Interdisciplinary applications: SCORE RSM, SCORE 3D, SCORE CT, SCORE Navi+Plus
- High flexible OR table provides an optimum radiographic area featuring a whole-body coverage

Siemens Healthineers · Artis floor

Power 100 kW
Detector a-Si / CsI, 20 x 20 (1,024 x 1,024 pixels), 184 µm
a-Si / CsI, 30 x 40 (1,920 x 2,480 pixels), 154 µm
zen30HDR, hi-res cristalline silicon / CsI, (1,792 x 1,632 pixels), 160 µm

Highlights
The Artis floor-mounted system enables clinicians to care with greater ease, precision and flexibility for small rooms.
- Small footprint of 29 qm²
- Slim-line design for easy patient access
- Ergonomic system controls for smooth table-side operation
- 3D acquisition rate up to 75 f / s
- Complete 3D-portfolio including cross-sectional imaging with syngo DynaCT and syngo 3D Roadmap

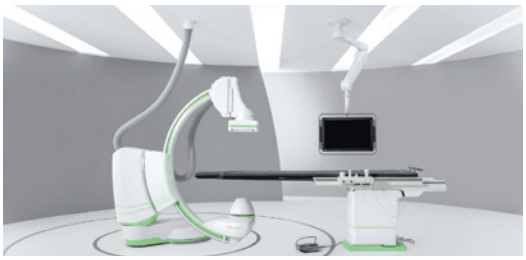
Siemens Healthineers · Artis ceiling

Power 100 kW
Detector a-Si / CsI, 20 x 20 (1,024 x 1,024 pixels), 184 µm
a-Si / CsI, 30 x 40 (1,920 x 2,480 pixels), 154 µm
zen30HDR, hi-res cristalline silicon / CsI, (1,792 x 1,632 pixels), 160 µm

Highlights
The Artis ceiling-mounted system enables clinicians to care with greater ease, precision and flexibility.
- Positioning flexibility that supports any angle
- Ergonomic system controls for smooth table-side operation
- 3D acquisition rate up to 75 f / s
- Complete 3D-portfolio including cross-sectional imaging with syngo DynaCT and syngo 3D Roadmap

Siemens Healthineers · Artis one

Power 100 kW
Detector as30, a-Si / CsI, (1,560 x 1,420 pixels), 184 µm



Highlights
Intelligent operation is enhanced by a configurable head up display, allowing you to interact with the system in a completely new, intuitive way.
- Small footprint of 25 qm²
- Slim-line design for easy patient access
- Ergonomic system controls for smooth table-side operation
- Full patient coverage imaging up to 2.10 m
- Integrated 3D-Imaging and review with acquisition rate up to 66 f / s

Siemens Healthineers · Artis zeego

Power 100 kW
Detector a-Si with CsI scintillator, 30 x 40 (1,920 x 2,480 pixels), 154 µm

Highlights
The Artis zeego takes performance and precision to an unprecedented level
- Performance with a new imaging chain with new applications
- Positioning flexibility that supports any angle
- Ergonomic system controls for smooth table-side operation
- 3D acquisition rate up to 75 f / s
- Complete 3D-portfolio including cross-sectional imaging with syngo DynaCT and syngo 3D Roadmap

Siemens Healthineers · Artis zee multipurpose System

Power 100 kW
Detector a-Si / CsI, 30 x 40 (1,920 x 2,480 pixels), 154 µm

Highlights
Artis zee multi-purpose is designed to meet the escalating demands of interventional radiology, fluoroscopy and interventional cardiology. The system left suspension meets the needs of endoscopic applications in gastroenterology
- Ergonomic system controls for smooth table-side operation
- 2k imaging with highly practical and user-friendly handling features
- 3D acquisition rate up to 60 f / s

SINGLE PLANE

Toshiba · Infinix Hybrid

Design Hybrid OR system
Detector 30 x 40 cm, 30 x 30 cm, 20 x 20 cm Flat panel detector
DQE 77 %
Power 100 kW

Highlights
The combination of the Infinix VC-i with fully integrated dedicated surgical table, e. g. Maquet Magnus, perfectly meets the requirements of the rapidly growing demand for hybrid procedures. The unique lateral C-arm movement allows patient access from all sides which eliminates the need to move table or patient. The system is available in 3 different detector sizes: 20 x 20 cm, 30 x 30 cm and 30 x 40 cm.

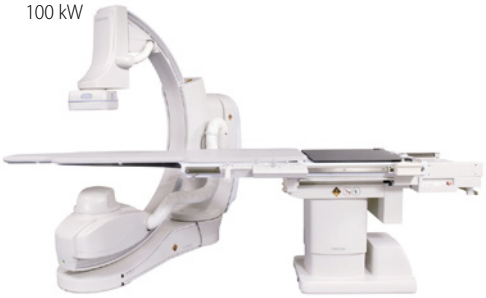
Toshiba · Infinix CC-i

Design Unique lateral C-arm movement
Detector 20 x 20 cm flat panel detector
DQE 77 %
Power 100 kW

Highlights
Cardio intervention demands speed, precision, and optimum performance. The Infinix CC-i is designed to take advantage of the latest technological innovations to reduce dose for patients and staff. A revolutionary graphic user interface and multi-tasking computer enable the system to fully meet your requirement for high image quality, safety, ease of use, advanced efficiency and improved workflow.

Toshiba · Infinix CF-i

Design Left and right side operation without table movement
Detector 20 x 20 cm flat panel detector
DQE 77 %
Power 100 kW



Highlights
Cardio intervention demands speed, precision, and optimum performance. The Infinix CF-i is designed to take advantage of the latest technological innovations to reduce dose for patients and staff. A revolutionary graphic user interface and multi-tasking computer enable the system to fully meet your requirement for high image quality, safety, ease of use, advanced efficiency and improved workflow.

Toshiba · Infinix VC-i

Design Unique lateral C-arm movement
Detector 30 x 30 cm or 30 x 40 cm flat panel detector
DQE 77 %
Power 100 kW

Highlights
Vascular intervention demands speed, precision, and optimum performance. The Infinix VC-i is designed to take advantage of the latest technological innovations to reduce dose for patients and staff. A revolutionary graphic user interface and multi-tasking computer enable the system to fully meet your requirement for high image quality, safety, ease of use, high efficiency and improved workflow.

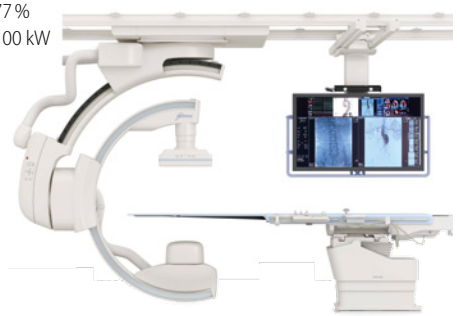
Toshiba · Infinix VF-i

Design Left and right side operation without table movement
Detector 30 x 30 cm or 30 x 40 cm flat panel detector
DQE 77 %
Power 100 kW

Highlights
Vascular intervention demands speed, precision, and optimum performance. The Infinix VF-i is designed to take advantage of the latest technological innovations to reduce dose for patients and staff. A revolutionary graphic user interface and multi-tasking computer enable the system to fully meet your requirement for high image quality, safety, ease of use, high efficiency and improved workflow.

Toshiba · Infinix i Rite Edition

Design Dual sliding C-arm for high speed 3D acquisition
Detector 30 x 40 cm
DQE 77 %
Power 100 kW



Highlights
Nowadays 3D plays a key role in high risk procedures such as aneurysm coiling, AVM / Fistula embolization, endovascular Aortic Aneurysm Repair, etc.
As its new flagship, the INFINIX-i Rite Edition incorporates state-of-the-art technologies allowing whole 3D body coverage at 80° / sec covering a range of 210°, from head to toe without any patient or table movement and free head access.

Wandong · CGO-2100 FPD – Angiographic and Cardiac System

Power 100 kW / 200 kHz
Detector 40 x 30 cm / 20 x 20 cm FPD

Highlights
- 100 kW / 200 kHz generator;
- 0.3 / 1.0mm, 2.0 MHU X-ray tube assembly
- Up-to-date flight joystick control, floor mounted C-arm, large range of movement along with three axes, affiliated with floating movement of cath-table enables all clinic applications
- Cath-Table: floating tabletop, motorized up / down movement
- 40 x 30 cm / 20 x 20 cm FPD, 30 fps image acquisition rate
- InvaRay digital DSA imaging platform, DICOM 3.0 fully support

SURGICAL II-C-ARMS

DMS Imaging · EVO+ / EVO R+/ EVO R+ 15

Power Up to 15 kW
II format 9" or 12"
Resolution 1,024 x 1,024 pixels

Highlights
- The range EVO, C-arm units include a microprocessor controlled high frequency generator and a fixed anode tube for EVO+ version and a rotating anode tube for EVO-R+
- Both systems have "Digital memory systems" and "Digital subtraction angiography" (DSA) and have been conceived for a large range of applications, including traumatology, endoscopy, intensive care and interventional procedures.

GE Healthcare · OEC Brivo Plus

Power 2.2 kW
II format 9" or 23 cm
Resolution 1 k x 1 k
Field of View 11 cm, 15 cm or 23 cm

Highlights
- 1 k x 1 k high resolution from a fully digital image processing system
- 9" Image Intensifier with high spatial resolution
- Brilliant radiation safety features
- Carbon fiber grid
- Available Pediatric package
- Intuitive user interface with touch screen
- Advanced connectivity including wireless DICOM, MPPS and DVI options
- Data protection including a UPS

GE Healthcare · OEC FluoroStar 7900

Power 2.2 kW
II format 9" or 23 cm
Resolution 1 k x 1 k
Field of View 11 cm, 15 cm and 23 cm

Highlights
- Imaging excellence for confidence in surgery
- Touch screen interface for simplicity and ease of use
- Sleek, high-quality flat panel display
- CD / DVD recording device with PC-based operation
- USB port for plug-and-play image storage
- Available as a Compact configuration with 1 or 2 monitors or with optional monitor cart (Compact2, Compact+ and Series
- Integrated WLAN interface (option)

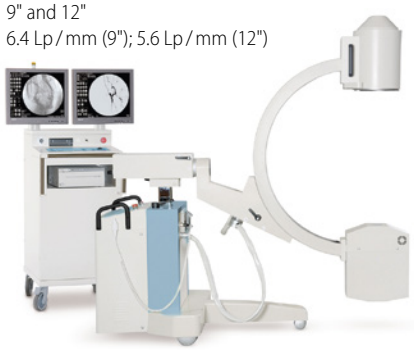
GMM · SYMBOL – Mobile C-arm unit with Image Intensifier

Design Mobile C-arm unit
II format 9" / 12" / 13"

Highlights
- Innovatory mobile C-arm unit for outstanding performances and superior image quality in surgical imaging application.
- Provided with High Frequency generator and ample C-arm allowing wide and extended mouvements.
- Outstanding flexibility and precision in any type of projection are ensured also by 146° orbital mouvement with 56° overscan.
- 9" to 13" triple field Image Intensifier, 1K CCD

INTERMEDICAL · "NEW" RADIUS AFG

Power 3,5 – 5 – 8 kW
II format 9" and 12"
Resolution 6.4 Lp / mm (9"); 5.6 Lp / mm (12")



Highlights
Modular configurations, from the base one to the top one (DSA Full), even after-sale, just with a USB-key-hardware.
- Progressive scan CCD digital camera 1 k x 1 k
- Memory capacity: more than 350,000 images
- 40 kHz X-ray monoblock generator, 120 kV, rotating anode
- Real Pulsed Fluoroscopy up to 20 mA
- AFG Base (12 frames/sec.); AFG DSA (25 frames/sec.)
- DICOM 3
- New Touch Screen Interface

SURGICAL II-C-ARMS

INTERMEDICAL · "NEW" RADIUS XP

Power 30 kW
II format 9" and 13"
Resolution 6.5 Lp / mm (9"); 6 Lp / mm (13")

Highlights
- Large Power reserve of 30 kW
- Excellent 1 k x 1 k image quality
- Boost up to 200 mA
- Max. 30 frames / sec. image
- Touch Screen Panel PC directly on C-arm with live image
- E-motion: all C-arm movements can be motorized
- New Dual Cooling System for Housing and Generator
- Dual Power System: power reserve system
- Wireless pedal as option

Philips · BV Pulsera 2

Power 15 kW
II format 31 / 23 / 17 cm

Highlights
- An interventional powerhouse, covering the widest range of applications, including cardiac interventions
- SmartVision – a fully digital imaging chain including powerful image processing functions
- High quality images at a low dose, time after time
- Pulsed acquisition 30 pulses / sec
- Rotating anode power

Philips · BV Endura 2

Power 3.15 kW
II format 31 / 23 / 17 cm

Highlights
- Versatile workhorse designed for routine and vascular interventions
- SmartVision – a fully digital imaging chain including powerful image processing functions
- High quality images at a low dose, time after time
- Extended rotation
- Optimally designed mobile view station providing a unique intelligent viewing concept

PRIMAX International · CYBERBLOC FP

Power Up to 15 kW
Detector New Flat Panel Generation
Design Chassis of light aluminum alloy for easy positioning

Highlights
- Large C-arm depth for maximum accessibility
- High sensitivity --> low dose operation
- Smart power management to handle long procedures
- Full touch "smart" user interface
- View station with angle and height adjustments
- Removable grid for paediatric applications
- Image free of any distortion

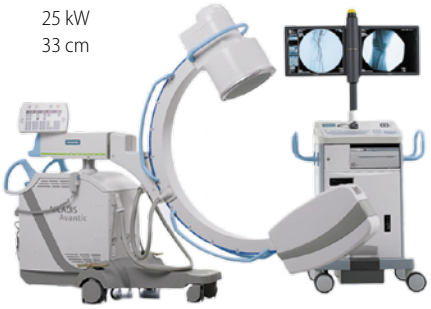
Shimadzu · Opescope Acteno

Resolution CCD-Sensor, 1,024 x 1,024 x 12 bit
II format 23 or 15 cm
Power 2 kW

Highlights
- High quality imaging
- Easy operation through fully balanced C-arm
- Magnetic locks and all-free buttons
- Memory functions support an efficient workflow
- Inside C-arm cabling
- Flexible upgradeability

Siemens Healthineers · Arcadis Avantic

Power 25 kW
II format 33 cm



Highlights
Cutting-edge mobile imaging with a larger field of view
- Large 33 cm (13") image intensifier
- Powerful 25 kW generator with tube currents of up to 250 mA
- 2.57 MHU (Mega Heat Units) heat capacity
- EASY (Enhanced Acquisition System) with automatic dose, contrast and brightness control
- Electromagnetical brakes, multifunctional footswitch (option) and remote user interface (option) for control from within the sterile field

Siemens Healthineers · Arcadis Orbic

Power 2.3 kW
II format 23 cm

Highlights
Enhanced precision in the OR
- Counterbalanced, isocentric design C-arm with intelligent color coding for fast and precise positioning
- 190° isocentric orbital rotation
- Tube currents of up to 23 mA
- EASY (Enhanced Acquisition System) with automatic dose, contrast and brightness control

Siemens Healthineers · Arcadis Orbic 3D

Power 2.3 kW
II format 23 cm

Highlights
Enhanced precision in the OR
- Isocentric design and 190° orbital movement optimizing intraoperative 3D imaging
- Streamlined workflow with fast positioning, scan and reconstruction time
- Intraoperative 3D evaluation and revisions reduce rate of second interventions
- Direct connection to navigation systems via NaviLink 3D (option)

Siemens Healthineers · Arcadis Varic

Power 2.3 kW
II format 23 cm

Highlights
Streamlined workflow and outstanding image quality in the OR
- EASY (Enhanced Acquisition System) with automatic dose, contrast and brightness control
- Fully digital 1K² imaging chain from acquisition to viewing and archiving
- Counterbalanced C-arm design with optimized free space, immersion depth, and overscan
- 1K² navigation interface NaviLink 2D (option)

Siemens Healthineers · Siremobil Compact L

Power 1.4 kW
II format 23 cm

Highlights
The compact all-rounder for surgical imaging
- Extended fluoro times of more than 50 mins
- Counterbalanced C-arm with a large orbital rotation of 130°
- Ergonomic and space-saving monitor cart
- Consistent digital 1K² imaging chain

Siemens Healthineers · Cios Connect

Power 2.3 kW
II format 23 cm

Highlights
Connect everyday surgery with reliability
- Simplify your fleet management – with a multifunctional C-arm
- Optimally balance image quality and dose – with IDEAL
- Increase asset utilization – with preventive maintenance and high system availability

Siemens Healthineers · Cios Select

Power 2.5 kW
II format 23 cm

Highlights
Select smart surgical imaging
- 99.8 % system availability* – reliability in a smart, lean design
- Smart system operation – with an intuitive user interface
- High image quality – combined with IDEAL dose management
- Average system availability over the entire Siemens Healthineers C-arm installed base

SURGICAL II-C-ARMS

Simad · 500 Compact

Power 4 kW fixed anode
II format 9"1K CCD

Highlights
- Perfect choice for small operating rooms
- All in one lightweight design equipment
- n.1 TFT/LCD 17" Touch screen monitor console
- n.1 TFT/LCD 19" Medical color monitor
- Additional monitor cart available
- Point and shoot usage
- Different software configurations for all clinical application
- 1kx1k excellent image quality
- Full DICOM connectivity
- 100.000 images storage capacity
- CD / DVD and USB for image exporting
- Strong return on investment.

STEPHANIX · OMNISCOP Series

Design Mobile surgical C-arm
Power Up to 15 kW
II format 9" / 12"

Highlights
- Surgery, traumatology, orthopedics, vascular…
- Wide range of movements, large orbital rotation, small footprint
- High resolution CCD camera coupled with Thales Image Intensifier
- Collimator with motorised and rotating iris, continuously adjustable
- Touch screen user interface
- Post-processing software highlight tiny details
- Advanced functions: APR, DSA, DICOM connectivity

Technix · TCA6 – high configuration

Design 9" / 12" surgical C-arm equipped with 1k x 1k camera
Power Up to 15 kW
II format 23 / 32 cm

Highlights
- Rotating anode
- Water cooling
- 1k x 1k camera
- Image storage: up to 110000
- High configuration cart with 19" monochromatic LCD monitors
- Acquisition up to 25 fps
- Anatomical programs
- DICOM connectivity (LAN or wireless)
- CD / DVD and USB for image exporting
- Remote control
- Laser for patient centering
- Virtual collimators (for dose reduction)
- DSA, roadmap, stenosis analysis

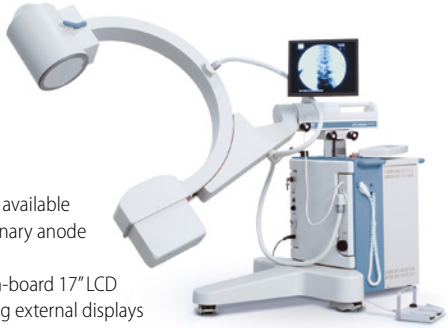
VILLA SISTEMI MEDICALI · Arcovis 3000 S / R

Power 3.5 kW (fixed anode) / up to 15 kW (rotating anode)
II format 9" / 12"
Resolution 48 / 56 / 64 Lp / cm (9" I. I.); 48 / 54 / 62 Lp / cm (12" I. I.)

Highlights
- Application in urology, cardiology, orthopedics and general surgery
- Choice between fixed anode (3000 S) or rotating anode (3000 R) versions
- Choice between either 9" I. I. (with stationary or rotating anode) or 12" I. I. (with rotating anode)
- Choice of 0.5 x 0.5 k or 1 x 1 k camera and several image storage options to satisfy all applications
- Premium version with 15 kW power, 9" or 12" I.I., 1 x 1k camera

VILLA SISTEMI MEDICALI · Arcovis 3000 S Compact

Power 3.5 kW
II format 9"
Resolution 48 / 56 / 64 Lp / cm



Highlights
- Compact C-arm unit available with 9" I. I. and stationary anode tube
- Equipped with an on-board 17" LCD monitor, not requiring external displays on trolley
- Last Image Hold and storage system based on non-volatile technology
- ± 60° rotating control panel for immediate operation even in the most difficult environment

Wandong · XC30

Power 5 kW
II format 9 inch

Highlights
XC series mobile C-arm system can be used mainly for fluoroscopy and radiography in the operation room, emergency ward, orthopedics and surgical treatment. Apply high frequency conversion technology, greatly improve image quality, shorten exposure time, and reduce the harmful radiation to human body. Ergonomics designed, compact structure, Microcomputer-control, easy to operate, maintain and move.

Ziehm · Solo

Resolution 21 cm – 2.0 Lp/mm · 16 cm – 2.5 Lp/mm
11.5 cm – 3.1 Lp/mm
II format 23 cm
Power 2 kW

Highlights
Ziehm Solo is the first choice for small operating rooms. The single unit comprises a compact and versatile C-arm, full-size monitor and intuitive touchscreen user interface. All functions required for an optimal image acquisition, processing and archiving are integrated in the C-arm. Ziehm Solo delivers optimal performance for pain management, orthopedics and lithotripsy.

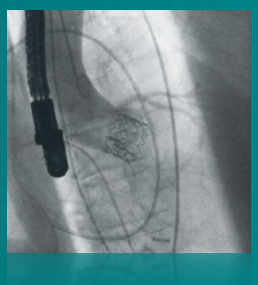
Ziehm · Vision R

Resolution 21 cm – 2.0 Lp/mm · 16 cm – 2.5 Lp/mm
11.5 cm – 3.1 Lp/mm · 27.5 cm – 1.6 Lp/mm
21 cm – 2.0 Lp/mm · 16 cm – 2.5 Lp/mm
II format 23 cm, 31 cm
Power 7.5 kW

Highlights
Ziehm Vision R is the perfect choice for demanding procedures in neurosurgery, vascular procedures and cardiac applications. The powerful monoblock generator with rotating anode delivers up to 20 kW power, enabling Ziehm Vision R to produce high-quality images with minimal dose exposure. This high-frequency pulse generator operates with a variable pulse width between 4 ms and 40 ms.

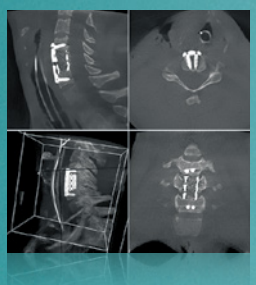
A new level of image quality you would not expect from a mobile C-arm.

TAKING CARE OF YOUR X-RAY IMAGING NEEDS



"Can I really use a mobile C-arm for cardiac applications?"

With our specially developed heart program, powerful generators and flat-panel technology our C-arms provide best results in the most demanding procedures.



"How can I gain intraoperative confidence in spinal procedures?"

Ziehm Vision RFD 3D helps avoid revision surgeries. With an edge length of 16 cm it offers a 3D dataset to confirm the correct implant position in just 3 minutes.

Find out more: www.ziehm.com

ziehmimaging

SURGICAL FLAT PANEL C-ARMS

GMM · SYMBOL – Mobile C-arm system with DFPD

Size 26 x 30 cm
Resolution 184 µm
Detector Amorphous silicon

Highlights
- State-of-the-art flat panel technology for outstanding performances and superior image quality for any imaging activity in operating room.
- General and vascular surgery, neurosurgery, cardiology, gastroenterology, urology.
- Easy patient positioning thanks to the wide C-arm opening.
- Exclusive user interface with LCD touch screen display ensuring complete management of the operating parameters.

Hologic · Fluoroscan InSight-FD

Highlights
The Fluoroscan InSight-FD mini C-arm system with exclusive rotating flat detector technology provides imaging versatility right in the procedure or operating room.
The system includes:
- New and innovative CMOS flat detector with exclusive rotating capabilities.
- CsI (cesium iodide) material, which provides high sensitivity, resulting in lower dose and high quality images.
- See more with the largest touchscreen and only widescreen color monitor on the market.
- Superb, distortion-free images that rival standard X-ray procedures.

INTERMEDICAL · "NEW" RADIUS XP WITH FLAT PANEL

Pixel size 1,536 x 1,536 pixels
Detector Digital Flat Panel Detector 30 x 30 and 20 x 20 cm
Power 30 kW

Highlights
- Large Power reserve of 30 kW
- Boost up to 200 mA
- Excellent 1,536 x 1,536 pixels image quality
- Max. 30 frames sec
- Touch Screen Panel PC directly on C-Arm with live image
- E-motion: all C-arm movements can be motorized
- New Dual Cooling System for Housing and Generator
- Dual Power System: power reserve system
- Wireless pedal as option

Siemens Healthineers · Cios Alpha

Power 12 kW or optional 25 kW
Detector 20 x 20 cm or optional 30 x 30 cm

Highlights
See the power with Full View FD
- Up to 25 % more coverage* even during image rotation – with Full View FD
- See and do more – with a powerful 25 kW mobile C-arm
- Effortless operability – full table-side control and single-touch positioning (option)

** Compared to today's conventional 33 cm image intensifiers*

Siemens Healthineers · Cios Fusion

Power 2.3 kW
Detector 20 x 20 cm or optional 30 x 30 cm

Highlights
Fuse surgical versatility with Full View FD
- 160 % more to see* – with Full View FD
- Save time – with advanced table-side control (option)
- Drive surgical revenue – with innovative technology

** Compared to today's conventional 33 cm image intensifiers*

Simad · PRECISIO CMOS FD

Power 4 kW (fixed anode) / 12 or 18 kW (rotating anode)
Detector 30 x 30cm / 22 x 22cm Active CMOS FD
Resolution 1,952 x 1,952 pixel / 1,416 x 1,416 pixel

Highlights
- Ingenia MR-OR intraoperative MRI delivers high-quality images during Four motorized movements convertible into manual
- Active CMOS flat detector with best low-dose DQE performance
- Available with 9"/13" I.I. 1K CCD
- Different software configurations for all clinical application
- Point and shoot usage with immediate crystal-clear images
- Removable antiscattering grid for pediatric use
- Full DICOM connectivity
- Liquid cooling system option
- Remote console can be positioned at table side
- Fluent and precise movements by means progressive joystick controller

STEPHANIX · OMNISCOP DReam

System concept Touch User interface and live fluoro image display
Power 5 kW / 15 kW
Detector High sensitivity 21 x 21 cm / 30 x 30 cm

Highlights
- Orthopaedic, head, spine, thorax, abdomen, vascular, cardiac
- Large C-arm depth and wide orbital rotation
- Adjustable height & angle of medical displays
- Dynamic FPD with high DQE and MTF
- Removable grid
- Advanced functions : APR, post-processings, DSA
- DICOM connectivity

Ziehm · Vision RFD

Resolution 1,536 x 1,536
Detector a-Si; 30 x 30 cm / 20 x 20 cm
Power 20 kW
Pixel size 194 µm

Highlights
With its excellent power and cooling technology it has the ability to unlock needed power to perform high demanding procedures. Supported by a comprehensive operating concept and superior image quality thanks to latest FD technologies, the system allows you to focus on advanced surgical care. Ziehm Vision RFD's proven reliability and advanced clinical workflows help to improve patient outcomes and support advanced interdisciplinary use.

Ziehm · Vision RFD 3D

Resolution 1,536 x 1,536
Detector a-Si; 30 x 30 cm / 20 x 20 cm
Power 25 kW
Pixel size 194 µm

Highlights
Ziehm Vision RFD 3D is the only 3D C-arm worldwide with flat-panel technology that provides a 16 cm edge length per scan volume. It combines 2D and 3D functionality to offer maximum ease-of-use. Available with a 30 cm x 30 cm flat-panel, the C-arm offers game-changing 3D imaging and is ideally suited for orthopedics, traumatology and spinal surgery, but also for demanding cardio-vascular hybrid applications.

Ziehm · Ziehm Vision RFD Hybrid Edition

Resolution 1,536 x 1,536
Detector a-Si; 30 x 30 cm / 20 x 20 cm
Power 25 kW
Pixel size 194 µm

Highlights
Ziehm Vision RFD Hybrid Edition is a powerful 25 kW mobile C-arm to succeed in these challenging procedures – flexible and everywhere – at any time. With its zero room preparation, the comprehensive mobile hybrid solution takes your OR easily to the next level. Plug in your system and start hybrid.iehm Vision RFD Hybrid Edition improves facilities competitiveness and financial performance with extended clinical capabilities.

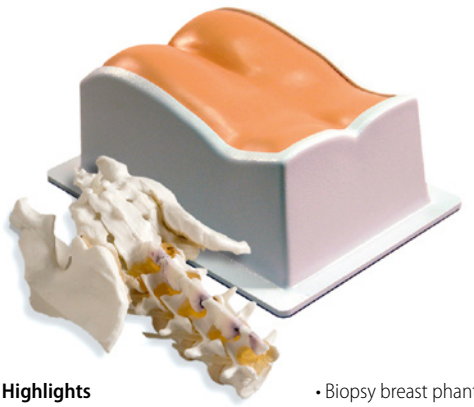
Ziehm · Solo FD

Resolution 2,048 x 2,048
Detector CMOS; 20 x 20 cm
Power 2.4 kW
Pixel size 100 µm

Highlights
With its all-in-one design, the Ziehm Solo FD is one of the most compact C-arms for even the smallest treatment scenarios on the market. Ziehm Solo FD is equipped with the latest flat-panel technology called CMOS - to perform a broad portfolio of applications like Orthopedics, Trauma and Pain Management.

ACCESSORIES / COMPLEMENTARY SYSTEMS

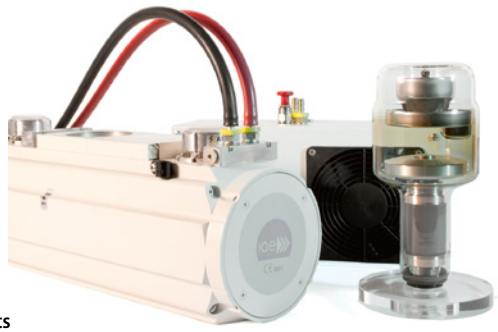
GCTechnology · CIRS Phantoms



Highlights
- Multi modality abdominal biopsy phantom (for CT, US, MRI)
- Multi modality lumbar training phantom
- Biopsy breast phantom
- Thyroid training phantom
- Prostate training phantoms family
- Kidney training Phantom
- Vascular Access Training Phantom

ACCESSORIES / COMPLEMENTARY SYSTEMS

I.A.E. · C30-RTM 70



Highlights
- Rotating anode X-Ray tube unit designed for mobile c-arm equipment
- Lead lined single piece aluminium body, internal pump for oil circulation, to improve thermal exchange
- Choice of HT cable socket: Parker or Claymount mini
- Optional remote water-air heat exchanger increases heat dissipation to 500W continuous for demanding interventional applications
- Water cooling can be mounted or upgraded on field

LEONI · Cable Systems

Highlights
LEONI cable harnesses and systems for medical devices integrate a wide variety of functions: besides energy supply and control, they can also transmit light and data up to including so-called assist functions, such as the cooling of device components. LEONI provides wiring services for X-ray devices and can collaborate in the development phase. As a systems supplier, LEONI provides consultation and analysis at local level, development and design of the optimum cabling and the supply of prototypes. In addition, LEONI offers individual and system verification testing, as well as customer-specific logistics solutions.

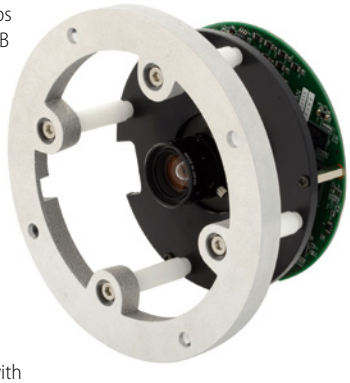
Simad · VEDO Master Xray Surgical Table

Table top	Fully carbon fiber radio-translucent
Power supply	Rechargeable battery/main power supply

Highlights
- Table top completely radio-transulcent
- Designed for surgical and diagnostic applications
- Fluent and precise movements by means progressive joystick controller
- Electronical movements: Trendelenburg / Reverse trendelenburg; lateral / longitudinal shift; lateral tilt; up / down
- Battery powered (up to 60 movements autonomy)
- Easy and fast replacement of electronics and battery pack
- Wide range of accessories
- Four wheels with electro-brake
- Perfect for angiography, urology, gastroenterology theaters
- IR remote control, integrated control panel, wired control with progressive joystick

Toshiba Electron Tubes & Devices · CCD camera VP-34509

Pixels	1,024 x 1,024
Flame rate	30 fps
Dynamic range	60 dB



Highlights
- Superior image quality
- Optimal for digital fluoroscopy
- Can be used in combination with TOSHIBA image intensifiers
- Simple capture system
- Gigabit Ethernet interface
- Environmentally friendly
- Compliant with the RoHS directive
- Free from hazardous substances such as hexavalent chromium and cadmium

Toshiba Electron Tubes & Devices · X-ray Image Intensifier

Detector	Xray Image Intensifier
Size	Field size 9 inch, 9 / 6 / 4.5 inch
Size	Output image size Ø 20mm , Ø 25mm
Design	For C-Arm

Highlights
- Suitable for mobile C-arms
- Smart design with smooth surfaces
- Excellent performance and high reliability
- Advanced simulation technologies used in development and production
- Our unique technologies provide a high Gx value, reducing radiation exposure to the patient.
- Environmentally friendly
- Compliant with the RoHS directive
- Free from hazardous substances such as hexavalent chromium and cadmium

Toshiba Electron Tubes & Devices · Angio Tube assembly

Power	2.1-MHU to 3-MHU (Anode Heat Capacity)
Power	80 kW – 100 kW

Highlights
- For angiography systems (2.1-MHU to 3-MHU)
- Uses a liquid metal bearing
- Our unique liquid metal bearing technology provides a long tube life, quiet operation, continuous high-speed rotation, high stability, and excellent reliability.

IT Systems

RIS / PACS

Portal Solution

CAD

Mammo Workstation

Mobile RIS / PACS Viewer

Accessories / Complementary Systems

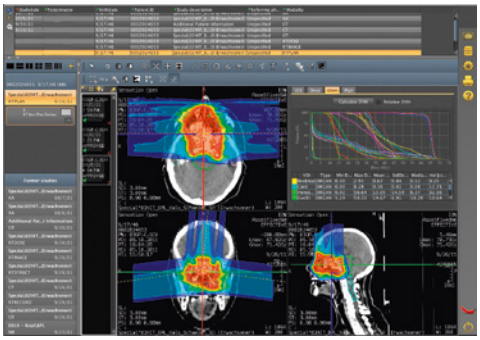
RIS / PACS

Agfa · Enterprise Imaging Radiology Suite

Highlights

Agfa HealthCare Enterprise Imaging for Radiology is a unified imaging management platform that provides PACS, reporting, advanced image processing capabilities and integration of clinical information. The solution offers diagnostic tools and powerful task-based workflow, designed to achieve gains in clinical productivity.

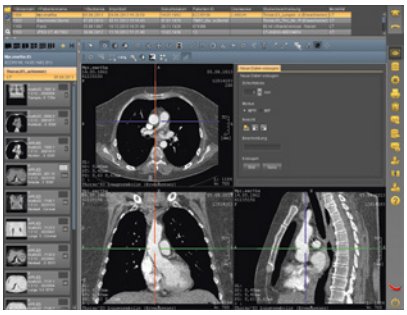
CHILI · Diagnost



Highlights

- Independent of modality
- CT, MR, CR, DR, PET, PET-CT, US, AX, …
- Mammography
- Radio therapy
- Powerful hanging protocols
- Independent of OS
- Integrated teleradiology
- Extensible by other applications
- HIS / RIS integration
- Consultation functionalities
- Teleconferencing

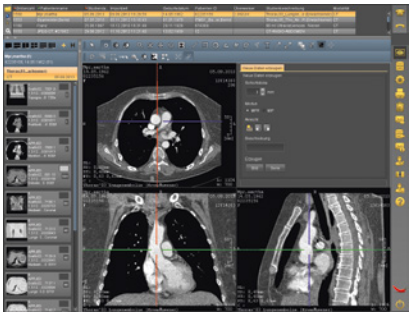
CHILI · Import PACS



Highlights

- PACS for foreign data from CD / teleradiology
- Temporary archive in addition to regular PACS
- Manual web-based import
- Automatic import with import robotic
- Web-based viewer
- Data reconciliation with own IDs
- Delivery to regular PACS
- Adjustable automatic data removal
- DICOM Q / R capable
- Works with any other PACS

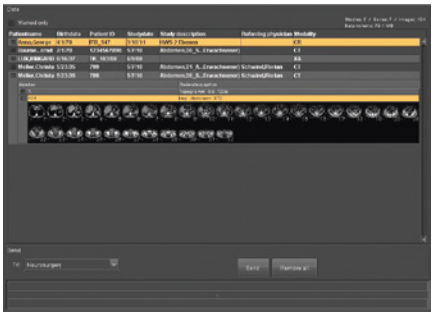
CHILI · PACS



Highlights

- Multimedia PACS
- One viewer for all areas
- Scalable (practice to enterprise)
- Multitenancy
- Fail over and load balancing
- Archiving in existing systems
- Interfaces and synchronisation with HIS / RIS
- Web-based image distribution
- Referring physician access
- Teleconferencing
- Consultation
- Portal functionality

CHILI · Teleradiology Gateway



Highlights

- Vendor-independent protocols
- DICOM, DICOM-E-Mail, https,
- Rule-based autorouting
- Automatic recovery after interruption
- Comprehensive security measures
- Lossy and lossless compression
- Data encryption
- Audit trails
- Diagnostic web-viewer
- Web-based administration
- Compliant to German RöV and DIN 6868-159
- Works with any PACS

CHILI · Web

Highlights

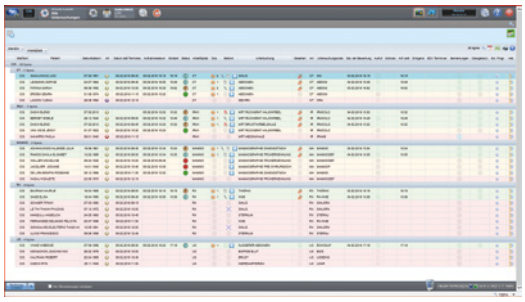
- Multi-media (DICOM, jpeg, avi, PDF, …)
- Very well suited for teleradiology
- Referring physician access
- Java technology
- User concept with roles and rights
- Central user administration (LDAP, AD)
- Security measures
- Data compression (lossy & lossless)
- Suited for reporting (MPG class IIb)
- Works with any PACS

EBIT · Suitestensa RIS CVIS PACS VNA

Highlights

Diagnostic Imaging Software for workflow management, from Modality to Enterprise IT systems, implementing Structured Report, 3D/4D processing, Quantitative Analysis, Mobile & Cloud Solutions. Suitestensa provides Vendor Neutral Enterprise Archives to ensure interoperability and managing DICOM and non-DICOM images. Suitestensa achieves data administration and focus on clinical aspects in Radiology and Interventional Radiology, Breast Imaging, Nuclear Medicine, Radiotherapy, Orthopaedics, Cardiology (Cath-lab, Echocardio, EP, ECG, Check-ups), Cardiovascular Surgery.

EDL · Xplore RIS / PACS

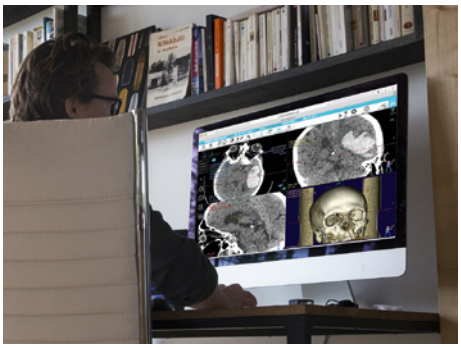


Highlights

Xplore from EDL is a modular RIS solution with a highly adaptability to the needs of all end users:

- Conform to IHE standards and compatible with all DICOM PACS
- Web-based solution, Citrix XenApp and Microsoft RSD compatible
- Ergonomic architecture for an optimized Workflow
- All-in one solution for radiologic clinic: scheduling, patient management, billing, stock management, reporting and speech recognition

ETIAM · Connect: Teleradiology



Highlights

- ETIAM-Connect is a secure Multispecialty Telemedicine Platform enabling Healthcare professionals to share patient cases and diagnose in real time
- ETIAM-Connect is adapted to all kind of teleradiology workflows and includes several services: Medical cases sharing, Invoicing, Duty planning, Statistics…
- Join more than 2,000 Physicians connected for a better patient care!

GE Healthcare · Healthcare Analytics Solutions

Highlights

A comprehensive portfolio of analytics solutions that comprise insight-rich applications supported by a team of healthcare experts. Ready-to-go analytics applications increase the value and utility of the vast amounts of healthcare data residing in transactional systems, devices and digital equipment to help healthcare organizations make more informed clinical, operational and financial decisions.

GE Healthcare · Centricity Clinical Archive Solution

Highlights

Centricity Clinical Archive (CCA) is an open architecture vendor-neutral archive (VNA) solution that unifies and intelligently manages patient data, clinical images and enterprise content. Built on IHE – XDS and DICOM-compliant industry standards, Centricity Clinical Archive enables seamless connectivity among disparate systems across multiple archive systems, specialties and facilities.

GE Healthcare · Centricity Universal Viewer

Highlights

- 3D post-processing, breast imaging tools and enterprise-wide access on a single desktop
- Featuring a single image repository across 2D and 3D studies, Centricity Universal Viewer intuitively brings together the tools needed by radiologists, cardiologists and other clinicians to provide enterprise-wide access on a single desktop

RIS / PACS

IMAGE Information Systems · iQ-SYSTEM PACS

Highlights

iQ-SYSTEM PACS is an easily configurable, highly scalable picture archiving and communication system. It is installed in more than 5,000 facilities ranging from small, individual, imaging centers to large multi-modality, multi-site hospital installations across 107 countries. It is full-featured, state-of-the-art, robust and reliable, and available in most major world languages.

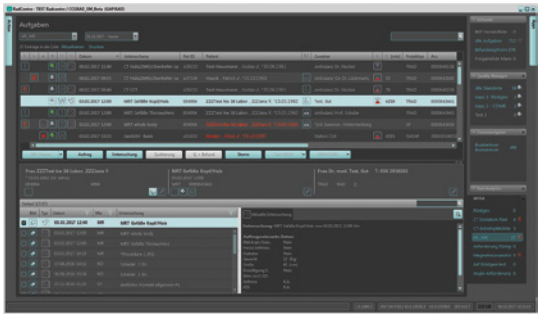
i-SOLUTIONS Health · RadCentre Analytics

Highlights

RadCentre Analytics offers an integrated solution for specific data analysis and interactive reporting to increase performance in radiology.

- Predefined and high performant processing of operating figures
- Unlimited analysis options for optimisation of business outcomes
- Integrated data warehouse solution
- Visualization of radiation exposure extracted from PACS

i-SOLUTIONS Health · RadCentre Cockpit & Speech Integration



Highlights

RadCentre is a comprehensive process and data management solution for radiology, nuclear medicine and radiotherapy. Based on latest technologies it offers high usability with an innovative user interface (Cockpit) and most efficient reporting with integrated speech recognition.

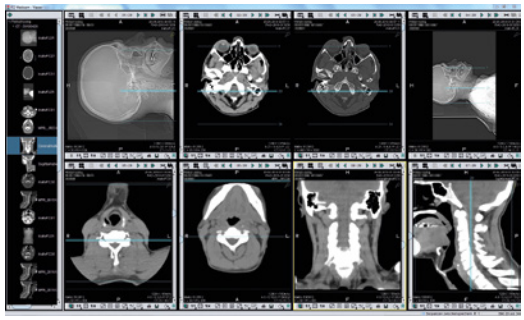
- Integration of received reports (specification depends on cooperating system)
- Fast and efficient creation of reports for treatment without delay

ITZ Medicom · ITZ Hyper.PACS with archiving-system Hyper.ARC

Highlights

- Fast, stable, safe
- One frontend and one database for all data
- Easy to support
- ITZ-Parallel-Archiving-Concept; no archiving of errors like with backup-principle
- Fast shortterm – and fireproof longterm – archive
- Compliance to RöV and MDD/MDR Class IIb

ITZ Medicom · ITZ Hyper.PACS – Reporting & Advanced Visualization



Highlights

- Solution for all purposes with special and easy hanging protocols
- Selection of postprocessing software for Radiology and Cardiology
- Real-time viewing. LVA, QCA and 3D-high-end-postprocessing
- One surface for viewing, diagnosis and telemedicine
- Viewing-history, session-parking, MRT-space-time-presentation
- Unlimited and automatic lists for demo, science and presentations

medigration · RIS / PACS

Highlights

Our RIS / PACS solutions are designed for multisite and manufacturer-independent networks. The WinRadiolog RIS product portfolio implies the whole patient management for your medical institution. Our PACS product portfolio comprises a proven DICOM archive, an intuitive operating reporting 3D ImageVision workstation, teleimaging and mobile solutions, patient CD system and DICOM PaperPrint Server.

medigration · ImageVision

- ☒ Mammo MR Screening
- ☐ Calcium scoring
- ☐ CFA
- ☒ Curonaries / heart
- ☒ Lung
- ☐ EP planning
- ☒ Functional Imaging
- ☒ Stroke
- ☐ Vessel measurement
- ☐ Virtual colonoscopy

Highlights

- Easy to use, high performance examination and analysis system for radiological routines
- Access to all images (including previous images) within seconds
- Unique and hierarchical data compression without any loss
- Individually configurable hanging protocols
- Independent individual scaling of your interfaces

PROTEC · CONAXX 2

Highlights

User-friendly and intuitively operable software for the acquisition of X-ray images and operation of DR-modalities and X-ray generators.

- Three clicks only to get your X-ray image
- Automatic image optimisation
- Image diagnose directly in CONAXX two possible (optional/single workstation solution)
- Compatible with any DICOM PACS
- Extraordinary workflow efficiency

PROTEC · PROPAXX

Highlights

- Administrative and assisting functions, e. g. the integrated interface for reporting the clinical findings or synchronic viewing images
- Detailed 10-bit display of the X-ray images
- Configurable menu with guide access
- Individual system size: single or multiple workstations
- Individual system size as multi-user / multi-client PACS solution
- Integrated backup function

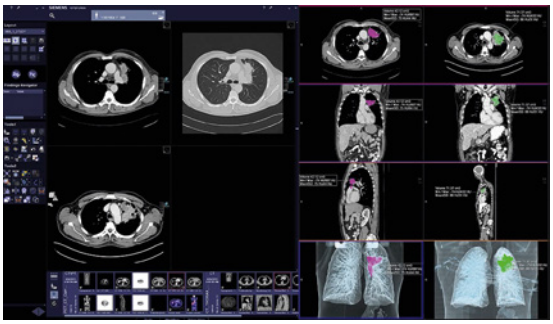
Siemens Healthineers · *syngo* Dynamics

Highlights

syngo Dynamics enables efficient and consistent documentation of cardiovascular procedures to support clinical and financial results across the enterprise. Improve your clinical and operational efficiency through:

- **Smart Reporting** – high quality structured reports made smarter with decision support.
- **Intuitive Interoperability** – brings enterprise, EMR integration and enables external reporting.

Siemens Healthineers · *syngo*.plaza



Highlights

syngo.plaza is the smart PACS workhorse for reading and reporting a large variety all cases - from routine to complex.

- It offers robust performance, intuitive operation, and intelligent reading tools.
- It boosts routine reading by bringing 3D technology into PACS.
- It is a highly scalable PACS solution and its powerful storage capacities enable vendor-neutral archiving even enterprise-wide.

Siemens Healthineers · *syngo*.via

Highlights

syngo.via is the intelligent imaging software for multi-modality reading that helps master growing amounts of imaging data in less time.

- Get the most out of your images: Cases can be read regardless of the modality in one place
- See what is relevant: Supports to achieve reproducible imaging results and reconfirm diagnosis and therapy decisions
- Deliver to the point: Supports medical decisions with clear and convincing reports

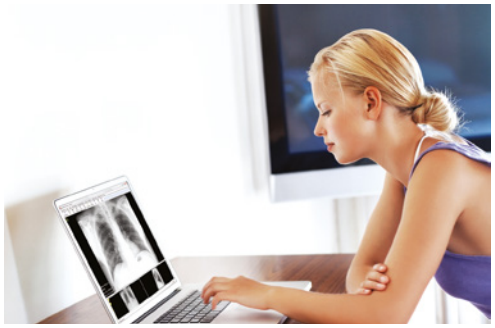
PORTAL SOLUTION

Agfa · Integrated Care Suite

Highlights

Integrated care is becoming a reality, and hospitals need solutions that give them a full overview of the patient, while sharing and collaborating with all stakeholders in the patient care continuum. With the Agfa HealthCare Integrated Care Suite hospitals can offer care providers, referring physicians and patients "anywhere, anytime" access to the patient's health information from different sources.

Canon · DelftDI Zillion Healthcare IT Suite



Highlights

A fully integrated Suite of RIS, PACS, VNA, Speech, Image Quality Management (IQS) and Business Intelligence (Insights)

- High performance with scalability and high reliability
- Ease of use for Clinical and Clerical professionals
- Strict adherence to open standards, interoperability and vendor neutrality
- Fully web-based and zero footprint
- Over 25 years of experience in realizing excellent performance and reliability

CHILI · Telemedicine Record

Highlights

Web-based platform for the exchange of multimedia documents, e. g. diagnoses, lab results, DICOM-compliant images

- Capture, display and administration of patient data
- Upload and download of DICOM and other images
- Forwarding to referring doctors
- Inter-sector exchange of multimedia patient data
- Multicentre studies with DICOM images

ETIAM · Web Diffusion

Highlights

Give to your patients a secure temporary access to their exams through a web platform. Share medical images and reports with your patients and medical practitioners.

Three types of Viewers available:

- JPEG Viewer for your patient
- DICOM Viewer for medical practitioners
- Diagnostic Viewer for medical specialists

Improve your medical performances with a simple and safe web solution

ETIAM · Archiving, Management & Sharing of Medical Data

Highlights

ETIAM Web platform includes a range of customizable services to take care of your patients through the entire healthcare pathway:

- Worklist generator system: schedule easily exams in operating rooms for your patients
- DICOM conversion: Convert all types of non-DICOM medical data
- Archiving system
- Sharing through ETIAM-Connect or ETIAM Web Diffusion

mediCad Hectec · mediCAD.cloud

Highlights

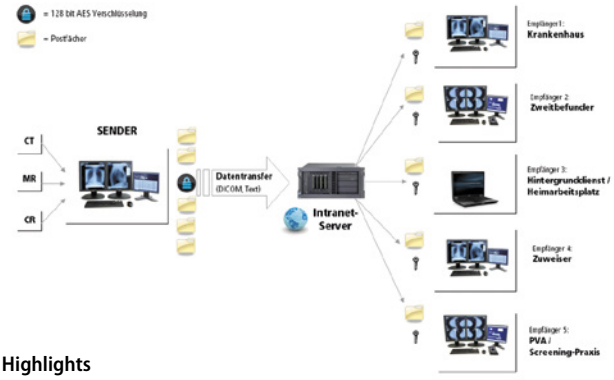
- Convenient and mobile – whenever you have time!
- Maximum security for your data!
- Fast and easy sharing of images PACS systems pre-configured!
- Directly and easy transfer of data – reduction of costs!

medigration · PraxisPortal

Highlights

- To connect your referring practices
- Efficient and encoded transferral of image data
- Secure, user-defined access control
- No elaborate VPN neccessary
- Fast display of images and findings as PDF or SR
- For PC / MAC: Intuitive, web-based tool, to be launched without any installation via any standard browser

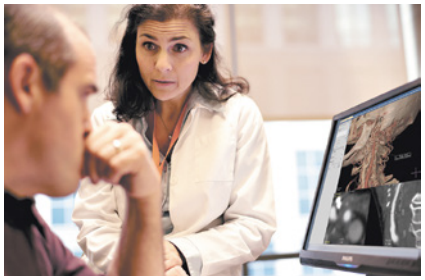
medigration · webConnect



Highlights

- Uncomplicated exchange of image data via the internet
- Highly cost effective since only the actual transferred data is calculated
- No VPN connection necessary
- Images and results can be called up within seconds due to intelligent data compression
- Total security by means of 256 bit AES encryption

Philips · IntelliSpace Portal



Highlights

Philips IntelliSpace Portal turns virtually any networked PC into an advanced multimodality imaging systems workspace.

- Rich clinical applications: unlock the full potential of your CT, MR and Advanced Molecular Imaging systems in order to quickly quantify and diagnose
- Multimodality access anywhere: advanced clinical applications, new workflow and collaboration tools available anywhere
- Collaborative workflow: ability to access, create and communicate actionable information anywhere

Siemens Healthineers · teamplay

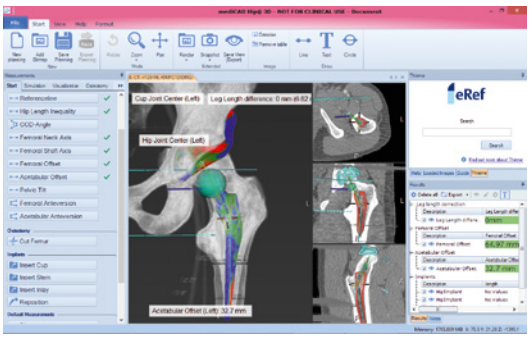
Highlights

teamplay the cloud-based network helps you to securely connect, compare, and collaborate.

- It provides you with transparent key metrics for your fleet and gives you fast, easy, and secures access.
- teamplay's focus on key metrics helps you to easily identify best-practice scenarios to standardize both operations and high quality of care.

CAD

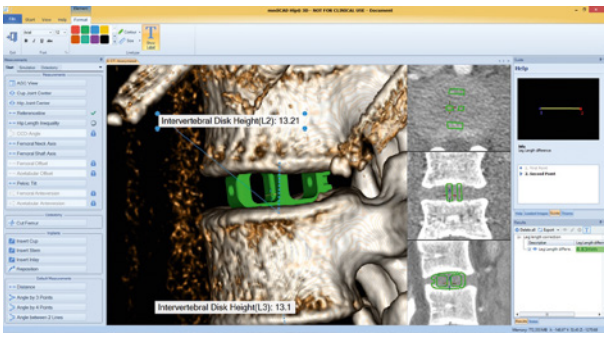
mediCad Hectec · mediCAD 3D HIP – NEW Version



Highlights

- Fully support of CT, X-ray and MRT
- NEW 3D preoperative planning
- NEW 3D simulation of Range of Motion
- NEW distance visualisation of Bone and implant
- NEW 3D Deformity correction and simulation
- NEW Thieme eRef integration
- A-C-S view
- Automatic measurements

mediCad Hectec · mediCAD 3D SPINE



Highlights

This new module opens up a whole new world for planning doctors. Now you can use CT or MRT images to plan in three dimensions. With fully automated recognition of all present vertebrae and segments, mediCAD 3D provides you with active support while performing a wide variety of measurements. Also available our 3D hip and 3D trauma planning solution.

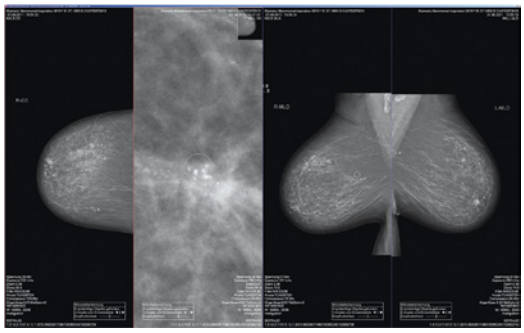
CAD

mediCad Hectec · mediCAD.cloud

Highlights
- Convenient and mobile – whenever you have time!
- Maximum security for your data!
- Fast and easy sharing of images PACS systems pre-configured!
- Directly and easy transfer of data – reduction of costs!

medigration · MammoView CAD-Option

- ☐ Brain
- ☐ Lung
- ☒ Mammo
- ☐ Cardio
- ☐ Liver
- ☐ Abdomen
- ☐ CT
- ☐ MRI
- ☐ CR / DR
- ☐ PET / CT



Highlights
- CAD microcalcifications detection and diagnosis support
- CAD calculation in the background without separate hardware
- Intuitive user interface for identification training
- Detected calcifications can be scaled up and viewed individually in sequence without additional expense

MAMMO WORKSTATION

Hologic · SecurView Diagnostic Workstations

Highlights
- Flexible, intuitive image review capabilities that are tailor made to the radiologist's specifications
- Interactively and intelligently through information-sharing – fast access to patient images
- Multimodality options allow all DICOM breast images from other imaging modalities such as ultrasound and MRI, improving workflow and efficiency
- Integrated CAD and breast density (Quantra) displays

IMAGE Information Systems · iQ-VIEW PRO MAMMO TOMO

Highlights

iQ-VIEW PRO MAMMO TOMO is a unique mammography reading solution that incorporates the complete diagnostic imaging and staging process. There is no need to switch between workstations to perform mammography, ultrasound, CT, MRI and tomosynthesis readings anymore. It includes vendor-independent hanging protocol sequences, automatic nipple height alignment, and support of high-resolution displays.

medigration · MammoView

- ☒ Default display protocol
- ☒ Hi-Res displays or mixed setups
- ☐ Digital dictation integration
- ☒ Dedicated keypad
- ☒ WebClient

Highlights
- Extremely easy to use and manage
- Direct findings in the image
- CAD support (optional) and a second view area to examine US and MRT images
- Hanging protocols can be configured individually to automate your routine workflow
- Outstanding image quality (2,048 greyscale)

Philips · IntelliSpace Breast & IntelliSpace Clinical Applications

Highlights
- Seamlessly interfaces advanced viewing and processing capabilities for mammography, ultrasound and MRI on a single workspace
- Improve quality of care – report consistently in compliance to standards thanks to integrated BI-RADS reporting
- Ability to review tomosynthesis mammography data (DICOM standard) and manually scrolling through the data sets or viewing in cine loop mode
- Interoperability with advanced clinical quantitative tools for ultrasound

MOBILE RIS/PACS VIEWER

Agfa · Enterprise Imaging

Highlights
By seamlessly creating a comprehensive medical imaging record, and providing you with the tools to collaborate, exchange, view and manage it, Agfa HealthCare Enterprise Imaging supports you to build a system that will bring you clinical value all along the care continuum.

Agfa · Enterprise Imaging Universal Viewer

Highlights
Patient-centric image access from across all specialties in the enterprise, with enhanced viewing, collaboration and sharing, on a single web viewer. XERO Viewer provides secure access to imaging data from different departments and multiple sources, in one view, to anyone who needs it.
With the mobile device support, you can truly work on the go, capturing and uploading images wherever you are.

CHILI · Mobile

Highlights
- Mobile image viewer
- Teleradiology
- PACS administration
- Easy integration into HIS / RIS / PACS
- Can be integrated into any EPR
- Works without internet shop
- Independent of operating system (iOS, Android, …)
- Device independent (Apple, Google, …)
- No app – but HTML5!
- Works with any PACS

GE Healthcare · Centricity 360 Suite

Highlights
Centricity 360 will help distributed care teams collaborate efficiently on patient cases in a secure on premise platform to optimize and simplify patient information exchange with primary care to improve care management. Centricity 360 Case Exchange, Centricity 360 Physician Access and Centricity 360 Patient Access are the first applications in the Centricity 360 suite of private/public cloud or datacentre-based solutions.

IMAGE Information Systems · iQ-WEB2GO

Highlights
iQ-WEB2GO is a portable viewer of radiology images on iOS, Symbian or Android based mobile, handheld devices including iPhone, iPad, Samsung Galaxy SII or Samsung Galaxy Tab.
- Instant access to any radiology image without running an installer
- Excellent clinical reference solution for referring physicians
- Useful for remote and subspecialty consultation
- Image display in full-screen mode

IMAGE Information Systems · iQ-3DVIEW

Highlights
iQ-3DVIEW is a zero-footprint viewer for web-based 3D visualization from anywhere. It runs on both tablet and desktop computers without requiring client installation. Feature highlights include curved MPR, Volume Rendering including Cropping and virtual endoscopic view.

MOBILE RIS/PACS VIEWER

IMAGE Information Systems · iQ-4VIEW

Highlights

iQ-4VIEW is a ground-breaking diagnostic multimodality zero-footprint viewer, suitable for virtually all browsers and operating systems. It runs on almost any device (desktop computer, tablet PC or smartphone) and requires no installation on the client. iQ-4VIEW allows reading, viewing or reviewing any kind of images, structured reports and Encapsulated PDFs.

IMAGE Information Systems · MED-TAB v.1

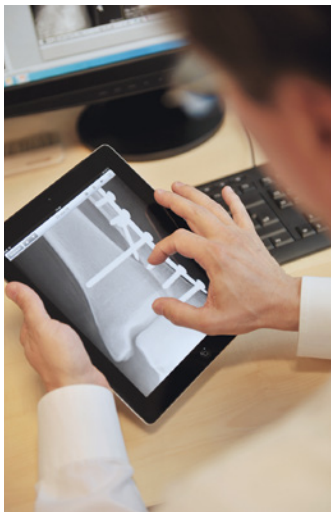
Highlights

MED-TAB is the world's first DICOM-calibrated radiology tablet uniquely created for continuous high-quality, incredibly precise image access from any location.

It runs on the Android 4.4.4 operating system and is compatible with any zero-footprint DICOM viewer.

- Large 13.3'' and bright 300 cd / m² screen
- 2 MP high resolution anti-glare display
- 11-bit DICOM grayscale calibration: a world first

ITZ Medicom · ITZ Hyper.mView, Mobile Solution



Highlights

- ITZ Hyper.mView supports all mobile devices and tablet-PC
- The solution is scaleable to your needs and budgets
- Secure by encryption and / or anonymized transmission
- Receive your images wherever you are with high image quality
- Different functionalities from viewing up to diagnosis
- Administration from any location
- Several helpful measurements

medigration · PraxisPortal App

Highlights

- To connect your referring practices
- Efficient and encoded transferral of image data
- Secure, user-defined access control
- Fast display of images and findings as PDF or SR
- No elaborate VPN neccessary
- For iPad / iPhone: Installation and updates easily via AppStore

ACCESSORIES / COMPLEMENTARY SYSTEMS

Agfa · Enterprise Imaging Business Intelligence

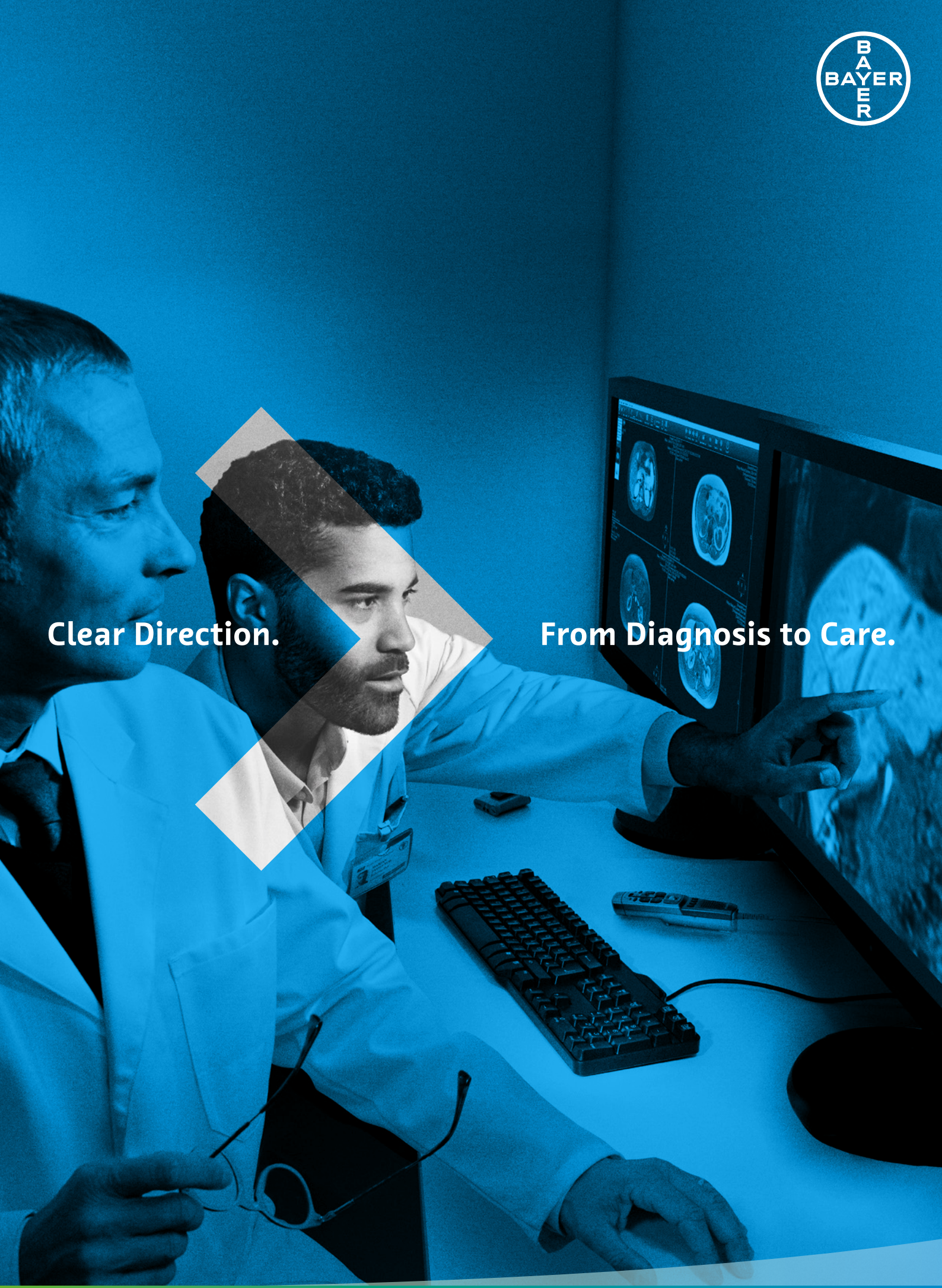
Highlights

Easy access to the information you need through standard and customizable reports. Your Enterprise Imaging solution contains a wealth of information about your healthcare enterprise and its operations. Agfa HeatlhCare Business Intelligence reports are a cornerstone in better understanding operational realities, identifying areas for focused improvement and help build efficiency gains.

Agfa · Enterprise Imaging VNA

Highlights

A robust solution for enterprise archiving of DICOM and non-DICOM data. As part of the Enterprise Imaging solution, the VNA consolidates all your imaging data, from multiple systems, departments, facilities and vendors, into a central clinical data foundation.Your data ownership, migration and storage costs are reduced, while management is simplified


Clear Direction.
From Diagnosis to Care.

ACCESSORIES / COMPLEMENTARY SYSTEMS

Agfa · Enterprise Imaging Exchange

Highlights

Fast, secure, reliable transfer of patient studies between hospitals, with no CDs or DVDs. With unlimited inbound and outbound uploading and downloading of images and a web-based way to share images with patients, referring physicians and other hospitals, Agfa HealthCare Imaging Exchange provides the enhanced image sharing you need to improve the delivery of care while decreasing costs.

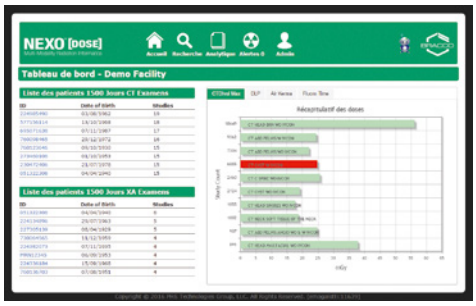
Bayer · Radimetrics

Highlights

- Radimetrics Enterprise Platform is a web-based, comprehensive system for monitoring and managing patient radiation exposure and contrast dose, it intelligently connects with radiology workflow and the hospital IT infrastructure to enable dose recording, reporting and protocol management to help automate compliance.
- Radimetrics offers multi-modality connectivity that spans CT, MR, PET, NM and many more*, in addition we can connect to non-ionizing modalities for utilization tracking, this gives you the data needed to enhance efficiency.

*Requires MEDRAD Stellant injector with Certegra Workstation for CT or MEDRAD MRXperion injector system for MR

Bracco · NEXO [DOSE]

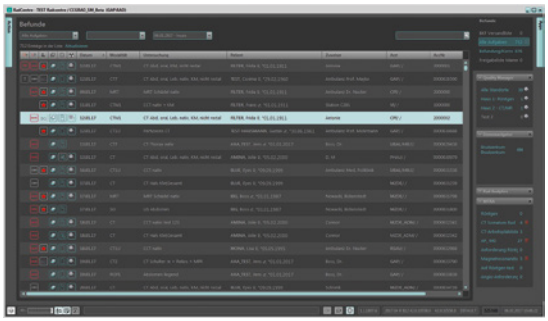


Highlights

- NEXO [Dose] supports compliance with imminent European Directive (2013 / 59 / EURATOM)
- Single-server, fully automated system enables enterprise-wide data acquisition
- Multi-modality, vendor-neutral software minimizes installation time and costs
- Customized e-mail alerts help improve control and implement the ALARA* principle

*ALARA (as low as reasonably achievable)

i-SOLUTIONS Health · RadCentre Technician Profile

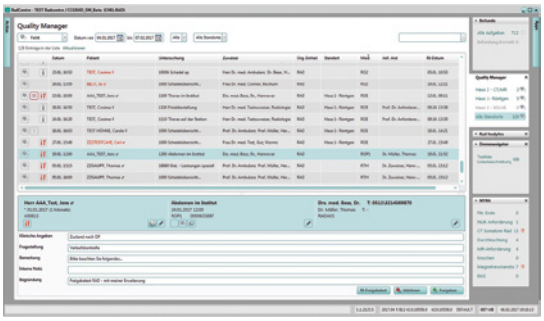


Highlights

RadCentre Technician Profile visualizes requested or performed examinations and reports at a glance and supports a fast and modality based workflow.

- Specific icons show examination status or patient information
- Images of prior examinations via integrated PACS viewer
- Interactive icons to change information or workflow status
- Scanned document files and laboratory results

i-SOLUTIONS Health · RadCentre Quality Manager



Highlights

RadCentre Quality Manager supports the justification and documentation process. It increases quality assurance, patient safety and efficiency of examinations and offers quick overview of information for doctors to initiate the justification.

- Integrated justification process
- Overview of non-validated examinations
- Easy planning of examinations and specific information for technologists

Mammography

Tomosynthesis

Digital Mammography

Film-Screen Mammography

Biopsy Tables

Radiowave-Imaging

Accessories /
Complementary Systems

TOMOSYNTHESIS

IMS · Giotto Class TOMOSYNTHESIS

Power 8 kW
Resolution a-Se 24 x 30 cm
Pixel size 85 µm (without binning)

Highlights
- New DBT system allows superior clinical results with low dose
- DBT scan angle of 30° with 11 exposures
- "Step & Shoot" tube motion combined with 85 µm pixel size for the best visualization of microcalcifications
- Fast Iterative Reconstruction Software dedicated for DBT
- Multifunctional system: DBT, SINTHETIC VIEW, FFDM, TOMO-Guided or Stereo Biopsy with the patient in a PRONE or UPRIGHT, CEDM

IMS · Giotto Class FLEXITABLE

Detector Amorphous Selenium latest generation, 24 x 30 cm
Pixel size 85 µm (without binning)
Technology Biopsy table for TOMO-Guided or Stereo BIOPSY with the patient in a PRONE position

Highlights
- The FLEXITABLE in combination with Giotto CLASS allows the operator to perform Tomo-Guided or Stereo biopsy with the patient in prone position, operating with the same detector used in the DBT clinical investigation. It guarantees to proceed with the same visualization of lesions like in DBT.
- Prone position provides 360° access to the breast with lateral, cranial caudal and inclined approach

DIGITAL MAMMOGRAPHY

DMS Imaging · Serenys DR Bym

Power 5 kW
Detector FPD 18 x 24 cm or 24 x 30 cm
Pixel size 85 µm
kV Range 20 – 35 kV

Highlights
- The Serenys DR Bym, with the added advantage of an isocentric C-arm including stereotactic biopsy
- The isocentric C-arm can be fully motorized and permits all breast projections without moving the patient and without adjusting the height of the C-arm, making exams faster and more comfortable
- The device is also available in analogic version

GE Healthcare · Senographe Care

kV Range 22 – 35 kV
Detector a-Silizium, 24 x 31 cm
Pixel size 100 µm

Highlights
- Fast and stream-lined workflow for high patient troughput
- Detector 24 x 31 cm with high quantum efficiency (DQE)
- High picture quality through automatic optimization of all parameters = AOP
- Patented Rh / Mo x-ray tube with matching Rh / Mo filters
- Option: Stereotaxy, Tomosynthesis SenoClaire, SenoBright (CESM)

GE Healthcare · Senographe Crystal

kV Range 22 – 35 kV
Detector CsI CMOS, 23 x 30 cm
Pixel size 70 µm

Highlights
- Small, motorized gantry
- Fits into small rooms, thank to small footprint
- Easy to use interface
- For screening and standard diagnostic

GE Healthcare · Senographe Essential

kV Range 22 – 49 kV
Detector a-Silizium, 24 x 31 cm
Pixel size 100 µm

Highlights
- Optimized image quality and dose efficiency
- Detector 24 x 31 cm with high quantum efficiency (DQE)
- High picture quality through automatic optimization of all parameters = AOP
- Patented Rh / Mo x-ray tube with matching Rh / Mo filters
- Option: Stereotaxy, Tomosynthesis SenoClaire, SenoBright (CESM)

GE Healthcare · Senographe Pristina

kV Range 25 – 49 kV
Detector a-Silizium, 24 x 29 cm
Pixel size 100 µm

Highlights
- Optimized image quality and dose efficiency
- Detector 24 x 29 cm with high quantum efficiency (DQE)
- High picture quality through automatic optimization of all parameters = AOP
- Patented Rh / Mo x-ray tube with matching Ag / Mo filters
- Inviting gantry design featuring Self-compression option to handle patients sensitive to compression
- Option: Self compression, Senographe Pristina 3D (DBT), SenoBright HD (CESM)

IMS · Giotto Image 3DL

Power 8 kW
Detector a-Se, 24 x 30 cm
Pixel size 85 µm

Highlights
- 3D-movements of the circular arm
- Isocentric rotation, prearranged for stereotactic biopsy and prone biopsy using the same detector
- Very low x-ray dose
- High DQE and high MTF
- Amorphous selenium detector: available in 24 x 30 cm

IMS · Giotto Mammo-bed

Detector a-Se, 24 x 30 cm – same of mammography
Resolution 85 µm

Highlights
- Prone biopsy table using the same mammography unit detector, guarantee that the lesion visualized during the mammography exam will also be visible during biopsy. Reducing the risk to lose hidden lesions.
- The system provides 360° access to the breast with no repositioning of patient. Possibile to choose the best possible approach to the breast: frontal, frontal inclined and lateral.

Hologic · Selenia Dimensions 2D / 3D Mammography System

Power n / a
Detector Amorphous Selenium, 24 x 29 cm
Pixel size 70 µm

Highlights
- Selenia Dimensions 3D Mammography technology allows doctors to see lesions with a clarity never before possible. Studies show that masses, distortions and asymmetric densities are better visualized and that recall rates are reduced with Hologic 3D Mammography system.
- Seamless, instantaneous transition between imaging modes: 2D and 3D acquired in the same compression

Planmed Oy · Clarity 2D

Power 23 – 35 kV
Detector Amorphous Silicon, 24 x 30 cm
Pixel size 83 µm

Highlights
- Intelligent Planmed Clarity Flow dual touch screen user interface that adapts to different imaging modes
- Image post processing that can be tailored to radiologist preferences
- Side access for optimal patient positioning and user ergonomics
- Integrated MaxView breast positioning system for maximal tissue visibility
- Easy field upgrade to Planmed Clarity 3D digital breast tomosynthesis

DIGITAL MAMMOGRAPHY

Planmed Oy · Clarity 3D

Power 23 – 35 kV
Detector Amorphous Silicon, 24 x 30 cm
Pixel size 83 µm

Highlights
- Digital mammography system for conventional 2D imaging, diagnostic imaging, stereotactic biopsies and Digital Breast Tomosynthesis (DBT)
- Continuous Sync-and-Shoot tomosynthesis imaging method with iterative reconstruction and TomoMarker technology to enable sharp and artifact free images
- Intuitive Planmed Clarity Flow touch screen based user interface

Siemens Healthineers · Mammomat Inspiration

Technology Mo / Mo, Mo / Rh, W / Rh, a-Se
Detector 24 x 30 cm
Resolution 85 µm

Highlights
Screening, diagnostics, stereotactic biopsy and tomosynthesis
- PRIME Technology: Up to 30 % less dose without compromise in image quality
- Personalized OpDose measures tissue composition for the right dose for every breast
- OpComp reduces patient discomfort and compresses to the optimal breast thickness
- Single-touch positioning, and more time saving features enhance workflow
- Stereotactic biopsy option for fast seamless procedures
- Unique MoodLight helping women relax

Siemens Healthineers · High Definition Breast Tomosynthesis

Technology W / Rh, a-Se
Detector 24 x 30 cm
Resolution 85 µm

Highlights
The widest scan angle of 50° for superior depth resolution
- EMPIRE Technology (Enhanced Multiple Parameter Iterative Reconstruction) for tissue and lesions in unprecedented clarity
- Insight, the first synthetic visualization of tomosynthesis in both 2D and 3D.
- Reduce dose by replacing additional mammograms with Insight 2D
- Gain new depth in reading with Insight 3D

Siemens Healthineers · Mammomat Fusion

Technology W / Rh, CsI
Resolution 83 µm
Detector 23 x 30 cm

Highlights
Premium mammography system to enhance everyday screening and diagnostics
- Help your patients to relax with the MoodLight option
- Stereotactic biopsy option for fast seamless procedures
- New generation CsI detector technology for higher spatial resolution at low dose
- Refined workflow to perform complex tasks at the click of a button
- Personalized OpComp and OpDose
- Focus on total cost of ownership including operating costs and service

VILLA SISTEMI MEDICALI · Melody IIID

Power 5 kW
Detector a-Selenium, 24 x 30 cm
Pixel size 85 µm

Highlights
- High performance integrated X-ray generator with wide kV range (20 – 35 kV) and fine adjustment (0.5 kV step)
- AEC with dual modality: PRE in function of effective Breast Density and FAST in function of compressed breast thickness
- Version with isocentric C-arm dedicated for biopsy procedures
- Optional diagnostic workstation available with CAD software

VILLA SISTEMI MEDICALI · Melody IIID TS

Power 5.6 kW
Detector a-Se, 24x30 cm
Pixel size 85 µm

Highlights
- Digital mammography system with tomosynthesis function
- Special anti-scatter grid for tomosynthesis allowing superior image quality
- Collimator with automatic recognition of compressor paddle
- User-friendly interface with touch screen display on each side of C-arm
- DICOM 3.0 connectivity
- Optional diagnostic workstation available with CAD software

Wandong · Phoenix Full-field Digital Mammography – DM-1

Power 4.8 kW
Detector 300 x 240 mm / 85 x 85 µm
Anode 300 kHU 0.1 mm / 0.3 mm
kV Range 20~ 40 kV

Highlights
- Programmable positioning greatly speeds up your work flow
- By using unique breast auto examine technology system will automatically adjust the exposure parameters
- Minimal radiation dose realized with no loss of image quality
- Intelligent compression program and ergonomic designs provide patients with more comfort

FILM-SCREEN MAMMOGRAPHY

Planmed Oy · Sophie Classic S

Power 20 – 35 kV
Anode Mo
Filter Mo / Rh

Highlights
- Entry level film unit
- Optional magnification
- Optional stereotactics
- Optional CR interface

Siemens Healthineers · Mammomat Select

Filter Mo/Mo or Mo / Rh
Object Table (Bucky) 18 x 24 cm or 24 x 30 cm
Interface Film ID camera or CR reader

Highlights
An analog system that is easy to use, provides images at the right dose and is cost-effective to offer women the standard of care they need
- Easy touch screen control for streamlined workflow
- Easy to dose right with AEC control
- Easy to invest with flexible service and upgrades

VILLA SISTEMI MEDICALI · Melody III

Power 5 kW
Anode Molybdenum
Filter Mo / Rh

Highlights
- High performance integrated X-ray generator with wide kV range (20 – 35 kV) and fine adjustment (0.5 kV step)
- AEC with selection of exposure parameters in function of effective breast density
- C-arm with ± 180° rotation
- Version with isocentric C-arm dedicated for biopsy procedures
- Available with 18 x 24 / 24 x 30 cm bucky or special potter accepting both cassette sizes

BIOPSY TABLES

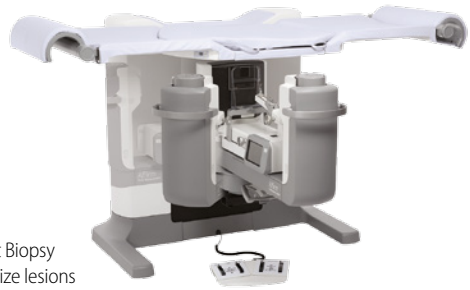
Hologic · Affirm Breast Biopsy Guidance System

Highlights

The Affirm breast biopsy guidance system is designed to meet the biopsy challenges and needs of today and paves the way for future advances in interventional procedures with its tomosynthesis biopsy option.

- For Stereotactic and 3D Interventional Procedures
- Designed for the Hologic Selenia Dimensions digital mammography system
- 10° angled biopsy approach for unobstructed view

Hologic · Affirm Prone System



Highlights

Hologic's 3D Breast Biopsy option helps visualize lesions that are only seen under tomosynthesis while also reducing the number of steps needed for a procedure and lowering the radiation dose compared to a traditional 2D biopsy

- Stereotactic biopsy with Superior 2D or 3D imaging using the same proven detector technology found in our Selenia Dimensions mammography system.
- A streamlined workflow designed to deliver faster procedures
- Easy, total access to the breast with full 360-degree access and an exclusive fully integrated lateral needle approach to facilitate reaching challenging lesions

IMS · Giotto Class FLEXITABLE

Pixel size	85 µm (without binning)
Detector	Amorphous Selenium latest generation, 24 x 30 cm
Technology	Biopsy table for TOMO-Guided or Stereo BIOPSY with the patient in a PRONE position

Highlights

- The FLEXITABLE in combination with Giotto CLASS allows the operator to perform Tomo-Guided or Stereo biopsy with the patient in prone position, operating with the same detector used in the DBT clinical investigation. It guarantees to proceed with the same visualization of lesions like in DBT.
- Prone position provides 360° access to the breast with lateral, cranial caudal and inclined approach

IMS · Giotto Mammo-bed

Detector	a-Se, 24 x 30 cm – same of mammography
Resolution	85 µm

Highlights

- Prone biopsy table using the same mammography unit detector, guarantee that the lesion visualized during the mammography exam will also be visible during biopsy. Reducing the risk to lose hidden lesions.
- The system provides 360° access to the breast with no repositioning of patient. Possibile to choose the best possible approach to the breast: frontal, frontal inclined and lateral.

RADIOWAVE-IMAGING

Micrima · MARIA

Highlights

Micrima's MARIA employs a novel radio-wave based 3D modality to detect and assist in the diagnosis of breast cancer. MARIA offers several advantages over x-ray mammography: it has excellent dense tissue performance and no ionising radiation is used so it can be applied frequently to patients from a young age if required. The system does not entail painful breast compression. MARIA is upgradeable via software to provide increasing levels of tissue differentiation.

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Over 250,000 people around the world have registered on DOTmed and more than 22,000 people visit the website every day. Our news organization, DOTmed HealthCare Business News, has a monthly magazine with a circulation exceeding 30,000, and every week 50,000 people receive our weekly online news digest.

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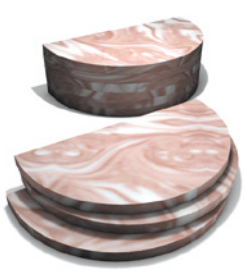
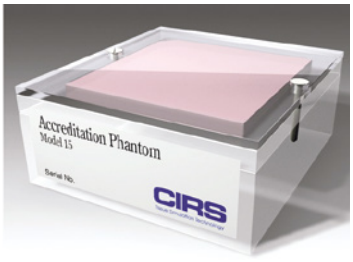
ACCESSORIES / COMPLEMENTARY SYSTEMS

GCTechnology · CIRS Phantoms

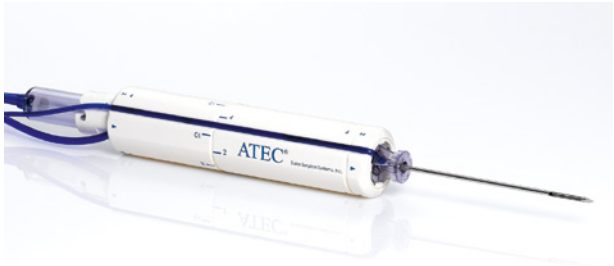




Highlights

- Mammography BR3D Phantom (Tomosynthesis and Breast CT)
- Multi-Modality Breast Biopsy and Sonographic Trainer (CT, US, MR)
- Stereotactic needle breast phantom
- Mammography test tools
- Mammographic accreditation phantom (evaluation of small structures detectability)
- Mammography Phototimer Consistency testing slabs
- Digital mammography phantoms
- Mammoview markers

Hologic · ATEC Breast Biopsy and Excision System



Highlights

ATEC breast biopsy & excising system provides clinicians with easier & more effective access to lesions with a single insertion.

- Tissue acquisition occurs every 4.5 seconds
- 1 simple console for every modality
- Easily delivers local anesthetic continuously
- Fully closed system & disposable device reduce contamination risk
- No software to program / operate console
- 1 minute set-up and clean-up

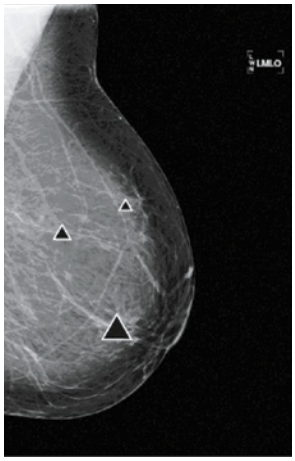
Hologic · Eviva Breast Biopsy Device

Highlights

Designed to deliver fast, comfortable & accurate procedure. Optimized to reach broad spectrum of patients using prone & upright

- Quiet, remote firing
- Tissue acquisition time of 4.5 s / sample
- Continuous pain management
- Direct control of sampling w / tactile wheel
- High-quality cores, saline lavage & constant aspiration
- Hematoma reduction w / saline lavage
- End deploy site marking solution

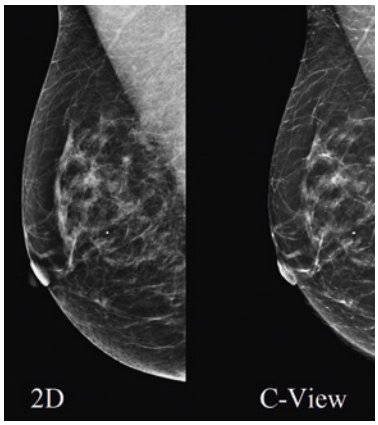
Hologic · ImageChecker CAD



Highlights

ImageChecker CAD software can process images from most direct capture digital mammography detectors and displays them on a range of workstation environments. The display of digital CAD marks depends upon the viewing solution chosen. Whichever display you choose, basic RightOn CAD marks will appear on all displays.

Hologic · Lower Dose Tomo (C-View Software Option)

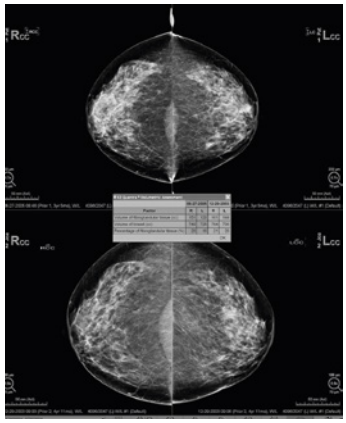


Highlights

C-View software generates 2D images from Hologic's 3D Mammography data without the need for a 2D exposure.

C-View software is designed to lower patient radiation dose, making the 3D mammography dose comparable to a 2D only exam while maintaining all the clinical benefits and superior image quality of 3D.

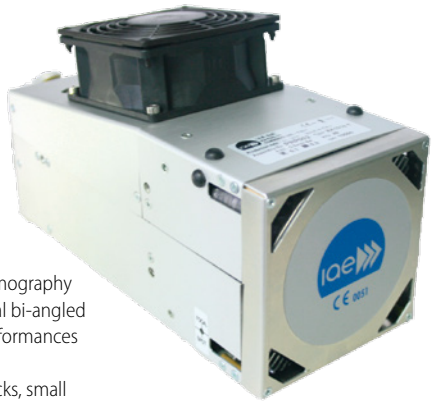
Hologic · Quantra Breast Density Assessment Software



Highlights

Quantra volumetric breast density assessment software is a powerful breakthrough technology that estimates a woman's breast density by using details of the x-ray imaging chain to quantify fibroglandular tissue. Quantra aggregates volumetric measurements from each view in a study into a simple, concise assessment for each breast.

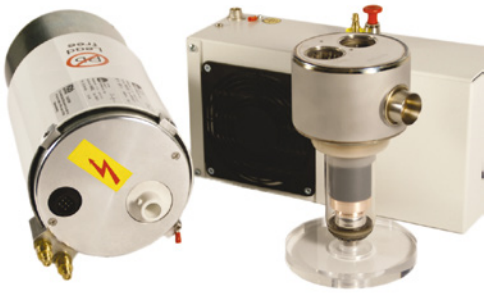
I.A.E. · XK1016T



Highlights

- Rotating anode mammography X-ray tube, with special bi-angled target, for optimal performances with all techniques
- Two separate focal tracks, small focus on 10° and large focus on 16°, optimal resolution performances
- Reduced thermal stress on the bearings improves tube life duration
- Severe tests during conditioning assure best performances
- Compact light weight structure

I.A.E. · C340



Highlights

- Water cooled mammography tube unit for beam scanning mammography equipments,high patients throughput screening applications
- Brass body lead free X-ray shielding internal pump for oil circulation improves oil to casing thermal Exchange
- Water cooled jacket avoids remote oil circulation
- Compact lightweight structure
- 800 W continuous dissipation for high energy techniques, high patients throughput

LEONI · Cable Systems

Highlights

LEONI cable harnesses and systems for medical devices integrate a wide variety of functions: besides energy supply and control, they can also transmit light and data up to including so-called assist functions, such as the cooling of device components. LEONI provides wiring services for mammographs and can collaborate in the development phase.

As a systems supplier, LEONI provides consultation and analysis at local level, development and design of the optimum cabling and the supply of proto-types. In addition, LEONI offers individual and system verification testing, as well as customer-specific logistics solutions.

Siemens Healthineers · *syngo*.Breast Care

Highlights

syngo.Breast Care is the advanced solution for state-of-the-art mammography and tomosynthesis reading of multi-vendor imaging

- Choose the most suitable solution from a stand-alone workstation to a multiple-user server
- Customize your automated reading workflow to your personal preferences
- Easily include multimodality and 3D ultrasound reading, synthetic views, breast density and CAD information

Varex Imaging · B-121 Mammography Housing

Highlights

- Digital and Tomography Applications
- Air-Cooled Mammography Housing
- Fits a standard size (three inch) X-ray tube insert
- Two shroud configurations: With quiet D / C fans or without fans
- Increased continuous dissipation rates vs. standard mammography housings
  - 20 % increase without fans (120 watts of continuous heat dissipation)
  - 200 % increase with fans (300 watts of continuous heat dissipation)
- Quiet D / C fans; optional A / C fans

R / F Film-Screen

Bucky

Fluoroscopy

Mobile X-Ray

Accessories /
Complementary Systems

DMS IMAGING

GCTechnology GmbH

GMM

DOTmed®

PROTEC
TEAM | SPIRIT | ABILITY

QUART
Quality Assurance in Radiological Technologies

SHIMADZU
Excellence in Science

SIEMENS
Healthineers

TOSHIBA

stephanX
RADIOLOGICAL SOLUTIONS

VILLA

WDM

BUCKY

GMM · OPERA RT20 – RAD and TOMO compact unit

Power From 32 kW up to 80 kW
Design Adjustable height table
Table Floor mounted

Highlights
- Compact X-ray units ensuring application versatility and operational efficiency.
- X-ray tube remarkable displacements for easy execution of examinations and oblique incidences also on stretchers.
- Total safety and comfort for the patient and enhanced diagnostic results in examinations of the spine, thorax, legs, etc.
- Utmost user-friendliness also in combination with wall stands.

PROTEC · BUCKY series

Power Various
Table Integration to table / wall stand / U-arm

Highlights
- Outstanding compatibility with X-ray tables, wall stands and U-arm of various brands
- High cost effectiveness due to continuation of use of existing grids and AEC chambers
- All established detector types are supported
- Suitable for cassettes / detectors of different dimensions
- Perfectly prepared for simple realisation when upgrading an existing analogue system to a fully digital DR

PROTEC · PRS 500 F / E

Power 40 / 50 / 65 / 80 kW
Table Fixed or adjustable height, floating carbon fibre table top

Highlights
- Compact bucky system for minimal space requirements
- PROVARIO HF generator integrated into table (40 – 80 kW)
- APR and AEC
- Automatic coupling device to center tube and bucky
- Including wall bucky stand; stitching as optional solution
- Table with floating carbon fiber table top
- Individual system configuration from analogue to fully digital solution
- Adjustable height with PRS 500 E

Shimadzu · RADspeed Pro automatic

Power 50 / 65 / 80 kW
Table Motorized height adjustable

Highlights
- High-performance automatic general radiographic system
- Auto positioning function
- Synchronized movements
- Next generation collimator with auto-filtering function
- High-load capacity table
- Space saving installation concept

Shimadzu · RADspeed fit

Power 32 / 56 kW
Table Floating type
kV Range 40 – 150 kV

Highlights
- Ultra compact X-ray unit
- Heavy load capacity of floating X-ray table
- Up to 432 application programs
- Flexible positioning of X-ray tube support
- Upgradeability to a fully-fledged digital system

BUCKY

Shimadzu · RADspeed Pro MC

Power 50 / 65 / 80 kW
Table Motorized height adjustable

Highlights
- Generator with high-frequency inverter technology
- Long vertical travel of ceil-ing-mounted tube support
- High-load capacity table
- Space saving installation concept

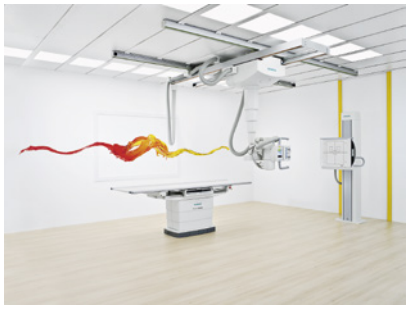
Shimadzu · RADspeed Pro MF

Power 50 / 65 / 80 kW
Table Motorized height adjustable

Highlights
- Generator with high-frequency inverter technology
- Floor-mounted tube support
- High-load capacity table
- Space saving installation concept

Siemens Healthineers · Multix Fusion

Table Free-floating, height adjustable, up to 300 kg
Power 55 / 65 / 80 kW



Highlights
Fits your needs.
Fits your budget.
- Key components adapted from Ysio like table, tube, bucky wall stand and many more
- Automation – Fast positioning with advanced tube tracking and comfortable maneuvering
- Small space requirements – fits your room and budget
- Prepared for the future – digitize your system whenever you prefer

STEPHANIX · RAD series

System concept Cost efficient, multipurpose
Technology Upgradable to DR
Design Compact and reliable solution
Power Up to 80 kW

Highlights
- Designed for customising to your application and budgetary considerations
- Multi-functional and digital-ready
- Ergonomically shaped with floating table for easy positioning
- Small space requirement
- Wide range of general procedures
- Intuitive touch screen generator with 864 APR available
- Fixed or variable height table
- Floor or ceiling tubestand
- Tomography

Toshiba · Radrex

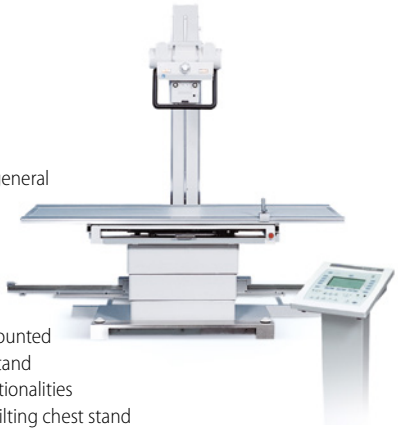
Power 50 kW or 80 kW
Table Motorized height adjustable with floating tabletop

Highlights
Toshiba recommends Radrex compact radio-graphic systems for general-purpose radiography, being highly accurate and efficient. It is possible to expand the original system to meet the particular clinical requirements of the user. When the system is combined with a portable FPD (35 x 43 cm) and digital processor, a wide range of applications can be performed.

FLUOROSCOPY

VILLA SISTEMI MEDICALI · Moviplan 800

Power 32 / 40 / 50 / 65 / 80 kW
Table Fixed or elevating tabletop
Cassette Size From 13 x 18 cm to 35 x 43 cm



Highlights
- Modular bucky system for general radiographic applications, muscoskeletal diagnostic room or emergency ward
- Several configuration options: table available with motorized lift, floor-mounted or ceiling suspended tubestand
- Optional tomographic functionalities
- Available with standard or tilting chest stand

GMM · OPERA T – Multifunctional remote-controlled table

Design 50 kW up to 80 kW
Image system Universal remote-controlled table
Power I.I. and FPD

Highlights
- Wide range of advanced, cost-effective R / F remote-controlled tables.
- Six different configurations available to suit actual operators' needs.
- 90 / 30° or 90 / 90° tilting movement; 210 cm or 240 cm tabletop length; 150 or 180 cm FFD.
- Different combinations with SFD-I.I. / TV chain, DR or RF flat panel detector.
- Wide versatility of application enhanced by special accessories.

Shimadzu · Flexavision series

Power 50 / 80 kW
II format 12" or 9"
Image system Digital or analog

Highlights
- 90° / 30° Digital or analog local R / F table
- Flexible configuration
- High reliability
- Turnable footrest
- Meets all requirements for routine R / F exams

Siemens Healthineers · Luminos RF Classic

Design Remote-controlled R / F system
Detector 1 k x 1 k matrix
Size 23 or 33 cm

Highlights
- Complete patient coverage with 8-way tabletop travel and large receptor movements
- Single-handed cassette handling: automatic loading, centering, format sensing and collimation
- Intuitive and fast operation with innovative control console
- Dose-saving fluoroscopy with SUPERVISION (option)
- Bucky wall stand (option)
- Excellent price-performance ratio

Siemens Healthineers · Luminos Select

Design Digital remote-controlled R / F system
Detector 1 k x 1 k matrix
Size 33 cm

Highlights
Luminos Select – don't compromise, be select.
- Platform concept – select to match your budget
- Common Siemens Healthineers user interface for ease of use
- Imaging system from Siemens Healthineers high-end products
- Table with excellent patient access from all sides

STEPHANIX · EVIDENCE

System concept Versatile and robust remote controlled table
Technology Upgradable to digital with image Intensifier and Flat Panel Detector
Design Compact and reliable solution
Power Up to 80 kW

Highlights
- Complete patient coverage
- Smart 8 ways tabletop travel for easy and comfortable patient transfer
- Column angulation ±40° on the whole table's length
- Tomography
- Fixed or variable height
- Video camera for patient positioning to optimize dose reduction

FLUOROSCOPY

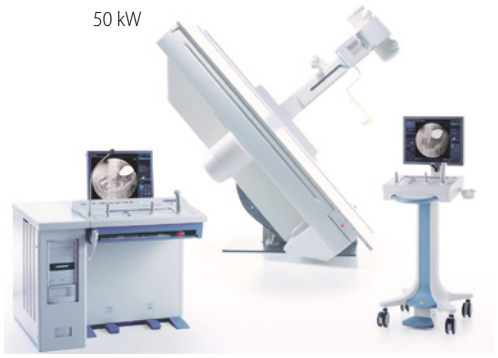
Toshiba · Plessart EX8

Power 80 kW
II format 12"
Image system 1 k x 1 k CCD

Highlights
The Toshiba Plessart EX8 is a digital remote control R/F system comprising a R/F diagnostic table with an over-table X-ray tube configuration, an X-ray high-voltage generator, and a digital imaging system. This system is intended for use as a general-purpose system for abdominal angiography, general abdominal radiography, general skeletal radiography, support of endoscopic procedures, etc.

Toshiba · Plessart VIVO

II format 12" or 9"
Power 50 kW



Highlights
Toshiba Plessart VIVO is a remote control R/F system comprising an R/F diagnostic table with an over-table X-ray tube configuration, an X-ray high-voltage generator, and a digital imaging system. This system is intended for use as a general-purpose system for abdominal angiography, general abdominal radiography, general skeletal radiography, support of endoscopic procedures, etc.

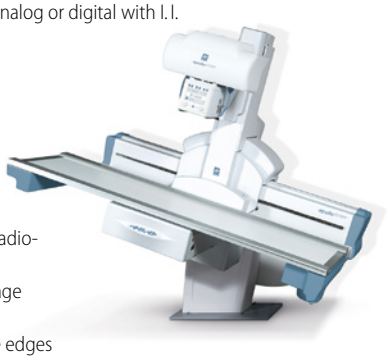
VILLA SISTEMI MEDICALI · Apollo 4.0

Power 50 / 65 / 80 kW
II format 9" / 12" / 16"
Image system Analog or digital with I. I.

Highlights
- Premium remote controlled system for full clinical coverage in R/F applications
- Up to 180 cm Source to Image Distance
- Oblique projections at table edges and electronic tomography
- New touch screen control console with integrated intercom system and smart-touch joysticks
- Easy patient positioning system through integrated camera
- Possibility to perform stitching exam with portable wireless detector

VILLA SISTEMI MEDICALI · Apollo EZ 4.0

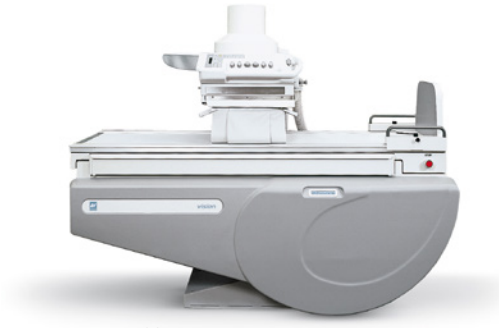
Power 50 / 65 / 80 kW
II format 9" / 12"
Image system Analog or digital with I. I.



Highlights
- Compact and cost-effective system for all the needs of radiographic and R/F imaging
- Up to 180 cm Source to Image Distance
- Oblique projections at table edges and electronic tomography
- New touch screen control console with integrated intercom system and smart-touch joysticks
- Easy patient positioning system through integrated camera
- Possibility to perform stitching exam with portable wireless detector

VILLA SISTEMI MEDICALI · Vision

Power 50 / 65 / 80 kW
II format 9" 12"
Image system Analog or digital with I.I.



Highlights
- Available with 2-way or 4-way tabletop
- Powerful SFD with line / cross divisions
- Can mount either 9" or 12" Image Intensifiers
- Ready for connection with DIVA digital acquisition system

Wandong · HF81 Series

Power 80 kW
II format 12 inches
Image system CCD 1 k x 1 k

Highlights
- Latest technology 80 kW / 200 kHz generator
- Remote-controlled diagnostic table 90°/–25° or 90° /–45°
- SID adjustable 100 / 150 cm
- 400 kHU High-speed X-ray tube Assembly
- 9" or 12" three fields I.I.
- 1 k x 1 k high resolution with 30 fps image acquisition rate
- InvaRay digital imaging platform, DICOM 3.0 fully support
- Comprehensive digital imaging processing

Wandong · HF51 Series

Power 50 kW
II format 12 inches
Image system CCD 1 k x 1 k

Highlights
- High frequency 50 kW generator
- Remote tilting table 90° / –25°
- Variable SID 100 / 150 cm
- 400 kHU High-speed X-ray tube Assembly
- 9" or 12" three fields I.I.
- 1 k x 1 k high resolution with 30 fps image acquisition rate
- InvaRay digital imaging platform
- DICOM 3.0 fully support

MOBILE X-RAY

DMS Imaging · RAFALE B

Image system Analogic upgradable DR
Power 32 kW
kV Range 40 to 125 kV
mAs Range 0.1 to 320 mAs

Highlights
The Rafale B is a battery powered mobile X-ray unit analogic. Its compact size and integrated motor makes the unit movement smooth and precise. Thanks to telescopic tube arm and swivelling column it is able to easily move even in the hospital's smaller rooms. For precise positionning, motor assisted fine positioning adjustements are possible from the tube head and the entire unit moves millimeter by millimeter.

Shimadzu · MobileArt eco

Power 12.5 kW
kV Range 40 – 125
mAs Range 0.32 – 100 (200)

Highlights
- Telescopic arm
- Easy positioning
- Wide coverage
- Compact design

Shimadzu · MobileArt Evolution MX7 – DR ready

Power 32 kW
kV Range 40 – 133 kV
mAs Range 0.32 – 320

Highlights
- Superb image quality
- Easy handling
- User-friendly design
- Sophisticated radiographic functions
- Low noise motorized system
- Energy saving collimator with a bright irradiation field through LEDs
- DR ready: Flat panel detector upgradability

Shimadzu · MobileArt Evolution MX7

Power 12.5 kW
kV Range 40 – 125 kV
mAs Range 0.32 – 320

Highlights
- Superb image quality
- Easy handling
- User-friendly design
- Sophisticated radiographic functions
- Low noise motorized system
- Energy saving collimator with a bright irradiation field through LEDs

MOBILE X-RAY

Siemens Healthineers · Multimobil 10

Power 10 kW
kV Range 40 – 125

Highlights
The economical solution in mobile X-ray imaging.
- Short exposure times and a constant imaging power provide a high image quality
- Easy handling and maneuverability based on a lightweight and compact design
- Entry level analog mobile X-ray system

Siemens Healthineers · Polymobil Plus

Power 16 kW (optional 20 kW)
kV Range 40 – 125

Highlights
Simplicity and reliability in mobile X-ray imaging.
- High image quality due to high power output and a minimum exposure time down to 4 ms
- Easy handling and maneuverability based on a lightweight and compact system design
- High reliability
- Powerful entry level analog mobile X-ray system

Siemens Healthineers · Mobilett XP | Mobilett XP Hybrid | Mobilett XP Eco

	Mobilett XP	Mobilett XP Hybrid	Mobilett XP Eco
Power	30 kW, 450 mA (max.)	30 kW, 450 mA (max.)	20 kW, 400 mA (max.)
kV Range	40 – 133	40 – 133	40 – 125

Highlights
Remarkable user comfort in advanced mobile X-ray imaging.
- Excellent image quality due to extremely short exposure times down to 1 ms (Mobilett XP Eco: 2 ms) and a powerful 30 kW generator (Mobilett XP Eco: 20 kW)
- Easy mobility and effortless positioning based on a lightweight and compact design, and an articulated swivel arm
- Remarkable user comfort, supported by self-explaining functionality, to ideally support the daily routine
- Mobilett XP Hybrid can be operated from both battery and mains power and offers the convenience of motor assisted traveling
- Advanced analog mobile X-ray system

STEPHANIX · MOVIX Series

Power From 20 to 50 kW
Technology Batteries powered high frequency generator
kV Range Up to 150 kVp
mAs Range Up to 500 mAs

Highlights
- Cost effective solution
- Compactness ensures easy handling
- User-friendly interface with 492 customizable anatomical programmes
- Wide range of procedures
- X-ray tube with rotating anode
- Thin dual focal spots
- High heat capacity
- Short exposure time

VILLA SISTEMI MEDICALI · Visitor T4

Motorized No
Power 4 kW
kV Range 40 – 110
mAs Range 0.2 – 250

Highlights
- Cost-effective mobile unit granting compactness and ease of use
- Suitable for most examinations performed in plaster rooms and health screenings contexts
- Compact and lightweight design for easy handling

VILLA SISTEMI MEDICALI · Visitor T30C

Motorized	No
Power	32 kW
kV Range	40 – 125
mAs Range	0.1 – 220

Highlights
- Mobile unit designed for intensive care units as well as orthopedics, pediatric or surgery departments
- Compact and lightweight design for a high maneuverability of the unit
- High performance generator and double focal spot (0.8 / 1.3 mm) tubehead
- APR anatomic mode
- User friendly control panel

VILLA SISTEMI MEDICALI · Visitor T30M

Motorized	Yes
Power	32 kW
kV Range	40 – 125
mAs Range	0.1 – 320

Highlights
- Motorized mobile unit, battery powered
- Exposures are possible without connecting the unit to an external power supply
- Compact structure and flexible positioning
- ± 320° rotating column with telescopic arm
- Fine positioning adjustment through tube-head controls
- Frontal bumper with anti-collision function

Wandong · PX100-CLK

kV Range	40 ~ 100 kV
mAs Range	0.4 ~ 98 mAs
Power	1.6 kW

Highlights
PX series mobile X-ray system can be used mainly for radiography in the operation room, emergency ward, orthopedics and surgical treatment. Apply high frequency conversion technology, greatly improve image quality, shorten exposure time, and reduce the harmful radiation to human body. High frequency generator, Ergonomics designed, Microcomputer-control, easy to operate, maintain and move.

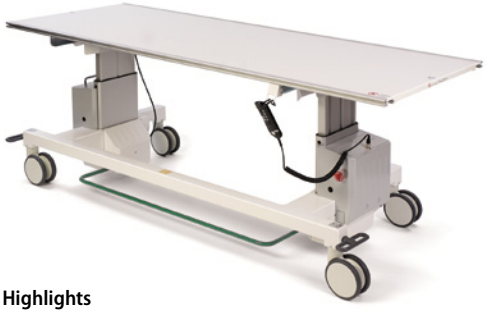
ACCESSORIES / COMPLEMENTARY SYSTEMS

GCTechnology · CIRS Phantoms

Highlights
- Model 903 Radiography Fluoroscopy QA Phantom

PROTEC · PROGNOST XP-series

Power	Line or battery
Table	Fixed or adjustable height (optional), carbon fiber table top



Highlights
- Mobile patient table to position the patient directly above the corresponding image receptor
- For digital DR detectors or with bucky tray integrated
- Fixed table height or elevating with floating carbon fibre table top
- Elevating versions with line connection or battery powered

QUART · Anthropomorphic X-Ray Phantoms

Highlights
- Our German-made anthropomorphic phantoms allow repeated x-ray imaging of specific body regions. They are used in x-ray trainings or for specific equipment tests under life-like conditions.
- The phantoms comprise of real human bones embedded in tissue-equivalent material.

Available phantom versions
- Full Body
- Head
- Hand / Arm
- Hip / Spine
- Foot / Leg
- Special Training Phantoms

R/F Digital

CR

DR

DR Retrofit

Mobile DR

Flatpanel Fluoro

Accessories /
Complementary Systems

AGFA HealthCare

Canon

DMS IMAGING

DUNLEE
A Division of Philips Healthcare

GE Healthcare

DOTmed

GMM

iae

bender gruppe medigration

HITACHI
Inspire the Next

mindray

KONICA MINOLTA

HOLOGIC
The Science of Sure

medical ECONET GERMANY

MECALL

PHILIPS

SAMSUNG

PROTEC
TEAM | SPIRIT | ABILITY

PrimaX international

roe|sys
Digital X-Ray Systems

SIMAD
X-RAY MEDICAL TECHNOLOGY
A Sago Medica Company

SHIMADZU
Excellence in Science

SIEMENS Healthineers

stephanX
RADIOLOGICAL SOLUTIONS

Swissray

TECHNIX

TOSHIBA

VILLA

WDM

AGY

CR

Agfa · CR 10-X

Slots 1
Resolution 20 bits / pixel
Cassette size 35 x 43 cm

Highlights
- Affordable CR solution that makes no compromises in image quality
- For a convenient and fast workflow
- Robust, yet easy to install and maintain
- Fits in small spaces and is suited for mobile applications
- Networking capabilities deliver seamless integration
- Capacity: 34 plates / hour

Agfa · CR 12-X

Slots 1
Resolution max. 200 µm / pixel
Cassette size 35 x 43 cm

Highlights
- Affordable CR system offering high image quality
- Customer-chosen optimal workflow
- Robust, yet easy to install and maintain
- Suited for mobile applications
- Networking capabilities deliver seamless integration

Agfa · CR 15-X

Power Autoranging external power supply (24 V output)
Size 580 x 700 x 471 mm (w x d x h)
Slots Single slot cassette feed

Highlights
- Affordable for a broad range of applications
- Convenient and fast workflow, with usercontrollable speed and resolution
- Robust yet easy to install and maintain
- Fits in small spaces and is suited for mobile applications
- Highly versatile, compact CR 15-X offers an ideal solution fordecentralised hospital environments, clinics and private practices.

Agfa · CR 30-Xm*

Slots 1
Resolution 10 pixels / mm, 20 pixels / mm for mammography
Cassette size From 15 x 30 cm to 35 x 43 cm, incl. mammography

Highlights
- Tabletop digitizer
- Broad range of applications: mammography, general radiography, orthopaedics, chiropractic, dental and FLFS
- No quality compromises
- Horizontal cassette insertion
- Low total cost of ownership
- Mobile use
- Capacity: up to 82 plates / h

**CR 30-XM not available in the US & Canada*

Agfa · DX-M*

Slots 1 – 5 cassettes: drop and go buffer
Resolution 6.7 – 20 pixels / mm
Cassette size From 15 x 30 cm to 35 x 43 cm, incl. mammography

Highlights
DX-M : Mixed to perfection
- Next-generation CR digitizer
- NIP and PIP detectors for general radiography and mammography
- Superb image quality and potential for dose reduction
- Five cassette drop-and-go buffer
- Small footprint
- Capacity: approx. 83 plates per hour (35 x 43 cm cassette)
- MUSICA Image Processing

** DX-M with CR Mammography application is not available in the US*

Konica Minolta · Regius 210

Slots 2
Resolution 3 – 11 Lp / mm
Cassette size From 18 x 24 cm to 35 x 43 cm

Highlights
- High performance dual bay reader
- Outstanding image quality in both general X-ray and mammography
- Low dose imaging for paediatric use
- Use with standard cassettes and CsI cassettes (CP-1M, CP-1S)

World-class technologies for healthcare and diagnosis

As a leading global provider of both diagnostic imaging and analytical instrumentation technologies, Shimadzu offers broad expertise in medical imaging and mass spectrometry detection platforms helping to deliver a measurable impact on healthcare and diagnosis. The company is the perfect partner for transformational technologies to accelerate diagnosis.

Angiography & Cardiology – Trinias MiX package

Shorter treatment times and reduced use of contrast media The Trinias MiX package (Minimally invasive eXperience) supports less invasive treatments through a variety of applications. The Trinias MiX package is an extension of the Trinias angiography system, which facilitates high-level interventions using a proprietary image processing technology. The high-quality ceiling-mounted angiography system and premium operating table provide the functionality necessary for advanced hybrid procedures.

SCORE PRO Advance This high-speed image processing unit was designed based on a concept of low exposure dose and high image quality featuring a state-of-the-art motion tracking noise reduction function.

SCORE RSM is an extremely motion-tolerant DSA technique achieved through Shimadzu's high-speed digital image processing technology. This application is especially effective for tracking across the abdomen and extremities and 3D imaging.

TraceMAP creates an overlay image on fluoroscopy by automatically tracing the contours of vessels from the DSA image for quick and easy recognition of bifurcations and control devices.

Trinias F12 MiX package Floor-Mounted C-Arm Type provides functional enhancements which achieve shorter treatment times and less contrast media

SCORE 3D / CT / Navi+Plus acquires images using high-speed rotation at 60°/s. SCORE 3D offers both shorter contrast media injection times and higher quality images. SCORE CT has a 16-bit image processing capability achieving superior low-contrast image resolution.

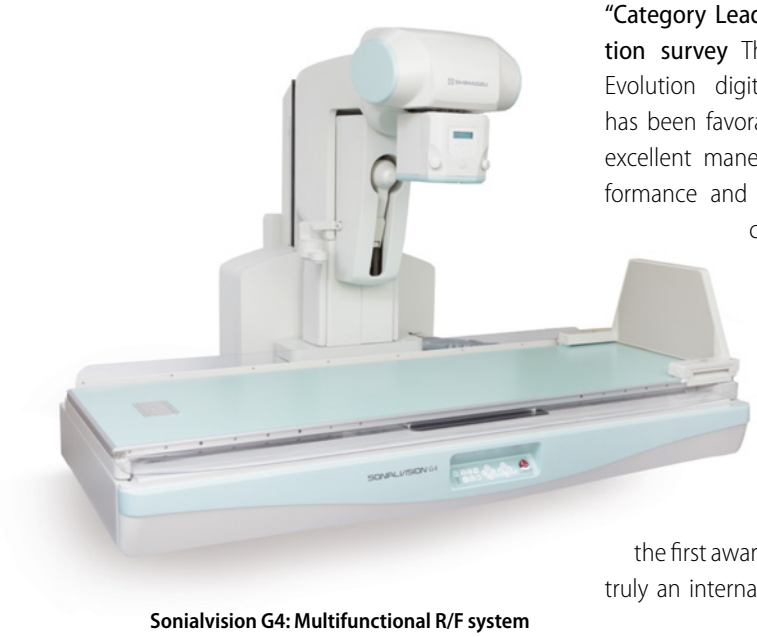
Radiography & Fluoroscopy – best-in-class

Sonialvision G4 multifunctional R / F system The Sonialvision G4 high performance R/F table provides numerous best-in-class features significantly increasing its functionality and operability. Sonialvision G4 unites the widest possible range of examinations with inter-departmental hospital capability. The largest available FPD at 43 x 43 cm provides an extensive imaging area.

SUREengine-Advance is a leading-edge digital image processing technology and ensures extremely clear fluoroscopy and radiography images.

SLOT Advance provides high accuracy images with long fields of view, such as for full spine or full leg images, taken with a minimal X-ray dose.

T-smart generates even clearer tomosynthesis images suppressing the artefacts around metal objects even further.



Sonialvision G4: Multifunctional R/F system

General Radiography – RADspeed Pro EDGE

RADspeed Pro EDGE combines the advantages of the well-known RADspeed Pro series in one instrument – for example the highly praised easy operability or the comprehensive measures to reduce exposure levels. Numerous further functionalities can be added.

Tomosynthesis allows to easily obtain multiple digital cross-section images from a single linear tomography scan.

Dual-energy subtraction utilizes the difference in X-ray absorption levels of bones and soft tissue to generate separate images, which is useful for diagnoses in the chest area, such as lung cancer.

Auto-stitching radiography covers the entire lower extremities or entire spine and links the settings made on the X-ray tube with the Bucky table or Bucky stand with subsequent automatic image stitching.

Dedicated tomosynthesis workstation allows parallel processing of data with examinations increasing the throughput and reducing the stress on patients.

MobileDaRt Evolution MX7 mobile X-ray system

"Category Leader" in operator satisfaction survey The Shimadzu MobileDaRt Evolution digital mobile X-ray system has been favorably received thanks to its excellent maneuverability, reliability, performance and ease of positioning. In a customer satisfaction survey by KLAS Research, a U.S. based Research Firm, this system has been named "Category Leader" in the field of digital mobile X-ray systems, for three out of the last four years (with the first award presented in 2011). This is truly an internationally top-rated product.

More convenient design better satisfies operator needs The MX7 series' image display units feature a new, high-resolution 17-inch LCD monitor. Additionally, other new features improve the convenience of routine use such as storage space for smaller items as well as grooves in the console top sidewalls, convenient for installing a cover over the FPD unit while keeping it stabilized. The MX7 series offers a wide range of FPD types to match individual clinical requirements.

Scatter Correction software generates a scatter model which is subsequently subtracted from the image. Whereas a grid physically reduces scatter and increases image contrast, the software mimics this process virtually. The result is an image with reduced scatter and increased contrast.

Opescope Acteno surgical C-arm system

High operability and image quality Opescope Acteno combines high image quality with ease of use. The system enables free and easy positioning and optimal performance to meet the demands of operation and emergency rooms. The fully counter-balanced C-arm provides extra-light and extra quick C-arm movements and positioning.

RSM technology minimizes motion artifacts in DSA Adding the unique RSM filtering process to DSA images will eliminate the motion artifacts.

Touch Focus is the brand-new innovative technology for Opescope Acteno to optimize the image brightness focused to the ROI at real-time during fluoroscopy.

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Further information: Shimadzu Europa
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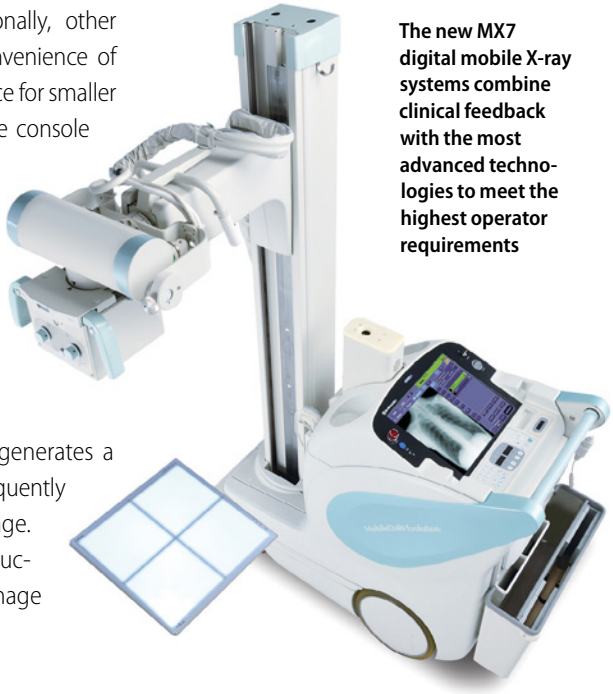


The new MX7 digital mobile X-ray systems combine clinical feedback with the most advanced technologies to meet the highest operator requirements

CR

Konica Minolta · Regius 110 HQ

Slots	1
Resolution	3 – 11 Lp / mm
Cassette size	From 18 x 24 cm to 35 x 43 cm

Highlights
- Highy quality mammography read function
- Easy to operate and maintain
- Powerful compact reader with linear motor technology
- Use with standard cassettes and / or mammography cassettes

Konica Minolta · Regius Sigma II

Slots	1
Resolution	3 – 6 Lp / mm
Cassette size	From 18 x 24 cm to 35 x 43 cm

Highlights
- Only 28 kg
- Foot print only 0.31 m²
- Processes up to 60 plates / hour
- Ultra compact: Konica Minolta's smallest and lightest CR reader
- Environmentally friendly with an energy consumption of max. 100 VA

DR

Agfa · DX-D 300

kV Range	From 40 to 150 kVp in 1 kVp step
mAs Range	From 0.1 to 500 mAs in 38 step

Highlights
- Universal modality
- Single DR detector
- MUSICA processing provides superior contrast detail and consistent, exam-independent image quality
- NX acquisition workstation offers comprehensive functionality for integrated workflow
- Integrated software for generator and positioner interface
- Complete versatility with optional CR / DR combination
- Motorized positioner
- Floor mounted

Agfa · DX-D 40 detector

Detector	Amporhous Silicon
Size	384 x 460 mm (outer dimension)
Detector	AED (Automatic Exposure Detection)
Technology	CsI and GOS

Highlights

The DX-D 40 Digital Detector with Automatic Exposure Detection (AED) offers a fast and effective way for radiography facilities to benefit from high quality digital imaging using any X-ray equipment:
- Improved workflow and exam speed
- Cassette-sized detector gives maximum convenience and ortability
- MUSICA processing for excellent contrast detail

Agfa · DR 10s detector

Technology	CsI (Cesium Iodide) and GOS (Gadolinium oxysulfide)
Size	Effective area: 251.0 x 314.5 mm (10 x 12 inch)
Detector	Amorphous Silicon with TFT

Highlights
- Lightweight, high resolution Automatic Exposure Detection (AED)
- Offers optimal convenience & portability
- Easy cleaning & disinfection
- Compact detector fits into incubator bucky tray
- Seamless use with virtually all X-ray systems and maximizing the use of the existing X-ray equipment
- High DQE & optimal pixel size, for low dose examinations
- Extremely long battery autonomy of up to eight hours
- MUSICA processing for excellent contrast detail & exam-independent, consistent image quality
- Cesium Iodide (CsI) detector scintillator

Agfa · DR 400 (floormounted)

Power	40, 50, 65, 80 kW

Highlights
- Cassette size bucky can rotate from landscape to portrait
- Build-in Dose Area product meter (optional)
- Scalable, flexible and affordable modality
- Flexible configurations and options for most needs
- Supports CR and DR integration
- Requires limited space (4 x 2 m)
- MUSICA processing provides superior contrast detail and consistent, exam-independent image quality
- NX acquisition workstation offers comprehensive functionality for integrated workflow

Agfa · DR 600 (ceiling suspended)

Highlights
- Excellent user-friendly 10 inch tube head display with preview image
- Detector CsI technology with dose reduction potential
- Tilting wallstand bucky with vertical tracking, holders for patient convenience and collimator light switch
- High-productivity, top-of-the-line, direct radiography system with motorized auto-positioning.
- MUSICA processing provides superior contrast detail and consistent, exam independent image quality
- NX acquisition workstation offers comprehensive functionality for integrated workflow
- Automatic versions support DR detectors in the wall stand and table with optional additional integrated CR

Canon · DelftDI Adora DRi

Design Ceiling-suspended DR system
Detector Canon CXDI-series of high resolution DR detectors
Table Motorised carbon fiber, floatig top with 340° rotation

Highlights
Next generation High End solution for all radiographic applications
- Intelligent workflow for high volume patient throughput
- Easy APR auto-positioning – up to 1,000 positions
- SmartHandle motorized movement, zero force
- Intuitive tube head control
- Optional: Integrated image stitching for total spine and total leg, Fluoroscopic capability, RF, Double tube head for RSA imaging procedures

Canon · DelftDI XSense DR

System concept Motorized height adjustable with fixed table top
Motorized Auto-positioning
Detector Canon CXDI-series, high resolution DR detectors

Highlights
A high-end system for radiographic imaging and beneficial features for your emergency department
- Optimized workflow for high-volume patient throughput
- Smart automatic positioning and detector tracking in all directions
- Suitable for orthopedic, trauma and pediatric procedures with fixed tabletop
- Generator interface on tube head display
- Fully automatic image stitching

Canon · DelftDI Triathlon DR

Design Ceiling-suspended DR system
Detector Canon CXDI-series, high resolution DR detectors
Table Motorized height adjustable with floating tabletop

Highlights
High End solution for all radiographic applications
- Optimised workflow for high volume patient throughput
- Smart Automatic Positioning
- Fully Automatic Image Stitching
- High efficiency with RIS-integrated workflow
- Advanced 6-way Patient Table with motorised adjustment and motorised detector tracking
- Tubehead display allows allows access to a variety of examination information

Canon · DelftDI Trauma DR PLUS

Design Ceiling-suspended U-arm trauma system
Detector Canon CXDI-series, high resolution DR detectors

Highlights
Versatile solution for trauma applications:
- Fast and efficient workflow
- Easy manual positioning with motorized support for Z-movement
- Large open workspace with a fixed focus-detector distance of 135 cm
- Integrated cable management
- C-Arm dept of 55 cm
- Integrated Dose Area Product Meter (DAP)
- Acquisition station with large DICOM calibrated touch screen display

Canon · DelftDI Easy DR

Design Floor mounted X-Ray system
Detector Canon CXDI-series, high resolution DR detectors

Highlights
Versatile solution for multipurpose examinations
- Multipurpose floor mounted X-Ray system
- Suitable for mobile installations (i.e. truck or container)
- Retractable anti-scatter grid
- Vertical and horizontal positioning of the U-arm
- Acquisition station with DICOM calibrated touch screen display

DR

Canon · DelftDI Intuition DR

Design Ceiling-suspended DR system
Detector Canon CXDI-series, high resolution DR detectors
Table With floating table

Highlights
Versatile solution for all radiographic applications:
- Optimized workflow for high volume patient throughput
- High efficiency with RIS integrated workflow
- Lightweight manual Alpha, Beta, X- and Y-movement
- Motorized Z-movement, floating tabletop
- Smart Chest and table tracking
- Acquisition station with large DICOM calibrated touch screen display
- Easy to fit in low ceiling X-ray rooms

DMS Imaging · Camargue HQ DR

Power 50 / 65 / 80 kW
Detector CsI or Gadox
Size 36 x 43 cm Wifi / 43 x 43 cm, 41 x 43 cm Fix

Highlights
The Camargue series was designed to ensure the best radiographic performance.
Several model are available:
- Manual ceiling suspension
- Auto tracking
- Fully motorized, 5 axes
- Variable height table

Different configuration available with:
- Only one portable detector wifi for table & VBS
- One portable detector wifi & flat panel detector
- 2 flat panel detectors

GE Healthcare · Discovery XR656 Plus

Power 50 / 65 / 80 kW
Detector a-Si, 41 x 41 cm, FlashPad
Pixel size 200 µm

Highlights
- High productivity through complete motorization
- Clinical flexibility through wireless FlashPad detector
- Possibility of detector sharing
- Table with high patient load up to 320 kg
- Optimized efficiency and diagnostic confidence through optional Advanced applications
- Advanced applications: VolumeRAD, Dual Energy, AutoPasting

GE Healthcare · Optima XR646

Power 50 / 65 / 80 kW
Detector a-Si, 41 x 41 cm, FlashPad
Pixel size 200 µm

Highlights
- Universally applicable, with robust table up to 320 kg patient load
- Flexible 3D ceiling suspension with tracking
- Clinical flexibility through wireless FlashPad detector
- Improved efficiency and diagnostic confidence through optional Advanced applications
- Advanced applications: Dual Energy, AutoPasting

GE Healthcare · Connexity

Power 65 / 80 kW
Detector a-Si, 43 x 43 cm
Pixel size 148 µm

Highlights
- System design with open, backside system access
- FFA variable 115 – 180 cm for max. investigation flexibility
- Patient convenience and safety through free patient access from four sides and height adjustment of the tabletop
- 43 x 43 cm flat detector
- Options: Wallstand, ceiling suspension with X-Ray tube and others

GMM · CALYPSO – Multifunctional DR system

Design Ceiling suspended-double detector system
Detector Fixed or portable
Table Adjustable height

Highlights
- Enhanced Direct digital radiology in Trauma, ER, routine and specialized examinations.
- Preset for two flat panel detectors either fixed or WiFi.
- Adjustable height examination table for easy and safe patient positioning.
- Exclusive interlocking technology ensuring automatic alignment of the X-ray source to the detector movement.
- Advanced digital system with optional stitching

GMM · CALYPSO F – Multifunctional DR system

Design Floor fixed system with double detector
Detector Fixed or portable
Size 35 x 43 cm and 43 x 43 cm

Highlights
- User-friendly solution for direct digital radiology.
- Adjustable height examination table floating in the four directions.
- X-ray tube column stand sliding on rails combined with examination table and wall stand.
- Column stand rotation around its vertical axis for an easy and safe execution of lateral projections.
- Advanced digital system for image acquisition and processing.

Konica Minolta · AeroDR X50

Power 32 – 80 kW
Detector AeroDR CsI FPD 14" x 17" / 17" x 17" / 10" x 12"
Pixel size 175 µm

Highlights
- High image quality, low dose
- Compact
- Suits small rooms
- Optional stitching
- AeroDR detector can be used in table, wallstand or outside of bucky

Konica Minolta · AeroDR X70

Power 50 – 80 kW
Detector AeroDR CsI FPD 14" x 17" / 17" x 17" / 10" x 12"
Pixel size 175 µm

Highlights
- Multiple configurations possible
- Light handling, servo tracking standard
- Excellent workflow in combination with AeroDR detector
- Intuitive CS-7 console
- Can be installed in rooms with a minimal height of 2.5 metres

Konica Minolta · AeroDR HQ Range

System concept Portable Digital X-ray Detector
Detector CsI scintillator 17 x 17", 14 x 17", 10 x 12"
Design Monocoque carbon fiber

Highlights
- Unique battery technology prevents overheating
- High quality images at a low dose
- Two second preview
- Durable design
- Lightweight, for light handling: 1.7 kg (10 x 12"), 2.9 kg (14 x 17"), 3.6 kg (17 x 17")
- High DQE CsI detector

Mecall · EIDOS 3000 – Single/ Dual FDP DR system

Detector Amorphous silicon
Resolution 143 µm
Size 43 x 43 cm; 35 x 43 cm WiFi

Highlights
- State-of-the-art system with single detector and removable auto-focusing grid
- Single end suspended and pivoting tabletop for easy treatment of patients on stretcher
- Full-length patient examination
- Advanced ceiling suspension with motorized movements
- Auto positioning features driven by anatomical programs
- Advanced image processor for perfect images at consistent low dose

Mecall · KALOS – Single / Dual / Triple FPD DR system

Detector Amorphous silicon
Resolution 148 µm
Size 43 x 43 cm; 35 x 43 cm Wi-Fi; 24 x 30 cm Wi-Fi

Highlights
- Advanced elevating table with detector floating in the longitudinal and lateral directions
- Automatic alignment of the detector with the X-ray beam
- Useful radiographic area > 2 m including lateral projections
- Auto positioning features driven by anatomical programs
- Advanced image processor fully integrated into ceiling suspension touch screen

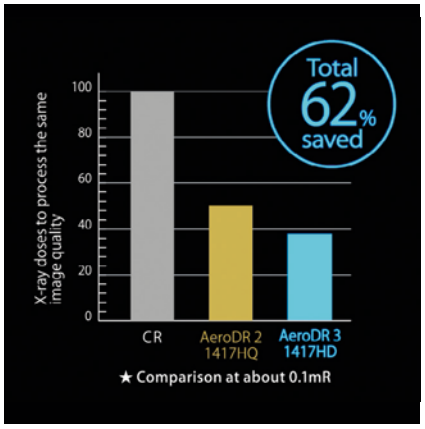
High-definition imaging

For Radiography professionals who demand the highest level of confidence, Konica Minolta has developed the AeroDR HD: our most sophisticated detector with the highest resolution and sensitivity enabling the highest image quality and lower radiation doses.[1]

[1] *Compared to CR or conventional AeroDR*

Ensuring safe and reliable diagnosis

With its high efficiency in detecting X-ray photons and wider dynamic range, Konica Minolta's AeroDR series enables users to capture high-quality images at approximately half the dose compared to conventional film-based radiography and even a 62 % dose reduction compared to CR.



High DQE and Lower Doses

100µm Pixel size – High Definition views

With 100 µm pixel size and 3.488 x 4.256 pixel count (up to four times more than standard resolution detectors), the AeroDR HD allows you to enlarge microstructures to conduct precise analyses required for extremities, pediatrics and other specialties where image details and dose efficiency are vital to diagnosis. Images remain sharp even when zooming in strongly. This especially contributes to a better visibility of bone trabecular.

Anytime, anywhere

The AeroDR portable detectors are suitable for both upgrades and new installations in standard X-ray systems, with our without a connection to the generator. A durable protective enclosure absorbs impact from bumps and accidental drops, while an IPX6 waterproof rating safeguards your investment from inevitable fluid spills encountered during portable emergency use.

The unique, built-in capacitor provides up to approx. eight hour use after only 30 minutes of charging, helping to keep your department productive on the go.

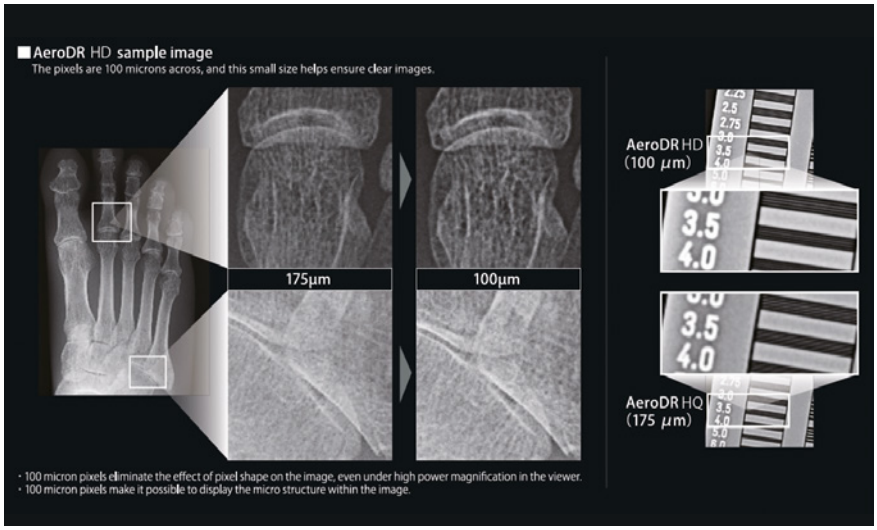
Easy handling

Radiographers will particularly be pleased with the fact that the AeroDR is extremely light weight (2.6 kg) which makes it very easy to position around the patients throughout the day. With the world's highest load resistance and bending resistance, the detector is suitable for any type of patient in different (bedside exam) positions.

Intelligent Grid

In a conventional method, scattered radiation is reduced by using (aluminium) grids. Konica Minolta's CS7 software for AeroDR, includes the option for a "software only" solution to improve contrast: Intelligent Grid. One of the key benefits for the users is to avoid risk of insufficient image quality caused by improper alignment of a hardware grid. Of course, users will also save valuable time and effort for attaching and detaching the grid.

www.konicaminolta.com



Performance of 100 micron pixels

DR

medical ECONET · meX+ DR Solution

System concept Accessories for meX+ DR systems, meX+ Image Acquisition Software, meX+ DR Carrying Bag

Highlights

meX+ Image Acquisition Software
- Simple and perfect images at all time
- Integrated automatic image optimization
- Touchscreen function for easy operating
- Fully integrated radiographic positioning guide
- Bones and soft tissues in one image

meX+ DR Carrying Bag
- Allows safe and comfortable transportation
- Protection against demages and filth
- User-friendly and space-saving design
- Less than 10 kg for the complete system

Mindray Medical · DigiEye 280 DR System

Power 30 kW / 50 kW
Detector Cesium Iodide Scintillator
Pixel size 140 µm
Size 35 x 43 cm; Portable

Highlights
- Integrated high voltage generator design
- The highest frequency generator 460 kHz
- Unique LEVELS image post-processing technology
- Limited installation requirement
- Detector auto-tracking Function
- Flexible configuration with portable detector

Mindray Medical · DigiEye 560 DR System

Power 65 kW / 80 kW
Design U-arm DR System
Detector FPD
Size 43 x 43 cm

Highlights
- Compact design less than 14 sqm for installation
- Fully-automatic and intelligent manual operation
- The highest frequency generator 460 kHz
- Unique LEVELS image post-processing technology
- One-Key and iKey positioning
- Touch screen control panel with all-functional remote control

Mindray Medical · DigiEye 760 DR System

Design Ceiling suspending DR system
Detector FPD
Pixel Size 143 µm
Size 43 x 43 cm

Highlights
- More Flexible Configuration than Your Expectation
- High Image Quality with Low X-ray Dose
- Fully-automatic and intelligent manual operation
- One-Key and iKey positioning
- Two dimensional auto-tracking and auto-centering
- Touch screen control panel with all-functional remote control
- Panoramic Imaging Technology

Philips · DigitalDiagnost High Performance TH-VS

Technology Digital X-ray system with ceiling-suspended tube, patient table, fixed vertical stand VS with integrated detector
Detector Integrated detector / SkyPlate detector, CsI
Size Integrated: 43 x 43 cm / SkyPlate: 35 x 43 and 24 x 30 cm
Power 65 kW or 80 kW

Highlights
- Covers vertical, horizontal and seated exams as well as difficult angulated views
- High patient throughput due to highly flexible system configuration
- SkyPlate for use in the table and for free exposures
- Convenient workflow with total room motorization including automatic tube motion and vertical stand
- Excellent image quality with Unique image processing
- Seamless procedures due to intuitive Eleva user interface
- Detector sharing with compatible Philips X-ray systems

Philips · DigitalDiagnost High Performance TH-VM

Technology Digital X-ray system with ceiling-suspended tube, patient table, moveable vertical stand VM with integrated detector
Detector Integrated detector / SkyPlate detector, CsI
Size Integrated: 43 x 43 cm / SkyPlate: 35 x 43 and 24 x 30 cm
Power 65 kW or 80 kW

Highlights
- High patient throughput due to highly flexible system configuration
- Covers vertical, horizontal and seated exams as well as difficult angulated views
- SkyPlate for use in the table and for free exposures
- Convenient workflow with optional total room motorization including automatic tube motion and moveable vertical stand
- Excellent image quality with Unique image processing
- Seamless procedures due to intuitive Eleva user interface
- Detector sharing with compatible Philips X-ray systems

DR

Philips · DigitalDiagnost Flex

Technology Digital X-ray system with ceiling-suspended tube, patient table, moveable vertical stand VM with integrated detector
Detector Integrated detector / SkyPlate detector, CsI
Size Integrated: 43 x 43 cm / Skyplate: 35 x 43 and 24 x 30 cm
Power 65 kW or 80 kW

Highlights
- Covers vertical, horizontal and seated exams as well as difficult angulated views – also in compact rooms
- Convenient workflow with optional room motorization including automatic tube motion and moveable vertical stand
- Very good access to patients in bed or wheelchairs due to the swivel option for the single-side suspended table
- Excellent image quality with Unique image processing
- Seamless procedures due to intuitive Eleva user interface
- Detector sharing with compatible Philips X-ray systems

Philips · DigitalDiagnost Value

Technology Digital X-ray system with ceiling-suspended tube, patient table, fixed vertical stand VS
Detector SkyPlate detector, CsI
Size 35 x 43 cm
Power 65 kW or 80 kW

Highlights
- Covers vertical, horizontal and seated exams as well as difficult angulated views
- Convenient workflow with total room motorization option and the use of a light-weight SkyPlate detector
- Diagnostic confidence thanks to excellent image quality with UNIQUE image processing
- Seamless procedures due to intuitive Eleva user interface
- Detector sharing with compatible Philips X-ray systems

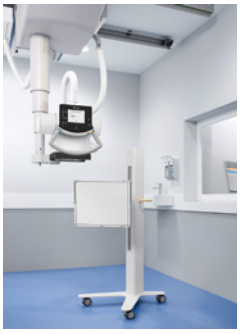
Philips · DigitalDiagnost Chest

Technology Digital X-ray system with ceiling-suspended tube, fixed vertical stand VS with integrated detector or alternatively SkyPlate detector
Detector Integrated detector/ SkyPlate detector, CsI
Power 65 kW or 80 kW
Size Integrated: 43 x 43 cm / Skyplate: 35 x 43 and 24 x 30 cm

Highlights
- Covers vertical and upright seated exams and allows for high patient throughput
- With tilting option for the vertical stand horizontal exams can be performed
- Reduced need of physical involvement by technologists thanks to automatic geometry movements
- Excellent image quality with Unique image processing
- Seamless procedures due to intuitive Eleva user interface
- Detector sharing with compatible Philips X-ray systems
- Fast, gridless workflow for free chest exams with SkyFlow

Philips · DigitalDiagnost Emergency

Technology Digital X-ray system with ceiling-suspended tube and SkyPlate detector
Detector SkyPlate detector, CsI
Size 35 x 43 and 24 x 30 cm
Power 65 kW or 80 kW



Highlights
- Covers exams in trauma environment
- Reduced interference with ER equipment and therefore per-patient time saving due to slim design of Skyplate detector
- Patients can be X-rayed without repositioning
- Excellent image quality with Unique image processing
- Seamless procedures due to intuitive Eleva user interface
- Optional vertical stand with SkyPlate tray
- Detector sharing with compatible Philips X-ray systems

Philips · DuraDiagnost High Performance

Technology Digital X-ray system with floor-mounted motorized tube, fixed vertical stand VS with integrated detector
Detector Integrated detector, High-Stability-Scintillator, SkyPlate detector, CSI
Size Integrated: 43 x 43 cm / Skyplate: 35 x 43 and 24 x 30 cm
Power 65 kW or 80 kW

Highlights
- Covers vertical, horizontal and upright seated exams
- Excellent image quality with Unique image processing
- Seamless procedures due to intuitive Eleva user interface
- Detector sharing with compatible Philips X-ray systems

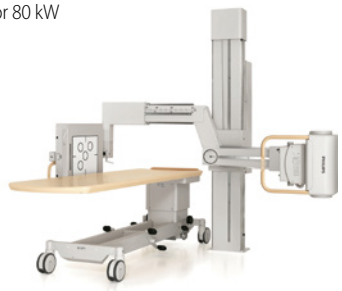
Philips · DuraDiagnost Value

Technology Digital X-ray system with floor-mounted motorized tube, patient table, fixed vertical stand VS
Detector SkyPlate detector, CSI
Size 35 x 43 cm
Power 50 kW or 65 kW or 80 kW

Highlights
- Covers vertical, horizontal and seated exams
- Diagnostic confidence thanks to excellent image quality with UNIQUE image processing
- Seamless procedures due to intuitive Eleva user interface
- SkyPlate detector can be used in the table, in the vertical stand and for free exposures
- Detector sharing with compatible Philips X-ray systems

Philips · DuraDiagnost Compact

Technology Digital floor-mounted, U-shaped X-ray system with integrated detector
Detector Integrated detector, High-Stability-Scintillator
Size 43 x 43 cm
Power 50 kW or 65 kW or 80 kW



Highlights
- Covers vertical and upright seated exams and allows for high patient throughput
- With an optional table the system can be used for horizontal exams
- Compact design with low cost of ownership
- SID of 110 - 200 cm
- Diagnostic confidence thanks to excellent image quality with UNIQUE image processing
- Seamless procedures due to intuitive Eleva user interface and flexible positioning

Philips · CombiDiagnost R90

Technology Cross-functional, remote controlled system for digital radiography and fluoroscopy
Detector CsI
Size Dynamic flat detector 43 x 43 cm / Skyplate detector: 35 x 43 and 24 x 30 cm
Power 65 kW or 80 kW

Highlights
- High room utilization and patient throughput due to the flexible 2-in-1 system configuration
- Consistent, superb image quality for DR and fluoroscopy with dynamic UNIQUE image processing
- Reduced dose exposure for patients and staff due to comprehensive dose management technology
- Seamless procedures due to intuitive Eleva user interface
- Detector sharing with compatible Philips X-ray systems
- Fast, gridless workflow, excellent image quality and low dose with SkyFlow

PRIMAX International · RIVIERA DR

Power Up to 80 kW
Detector Wireless or fixed flat panel
Design Floor mounted column on rails

Highlights
- Fixed or variable height floating tabletop
- Last generation ultralight wireless flat panel
- Excellent image quality
- Easy to install
- Full touch interface
- Cost effective

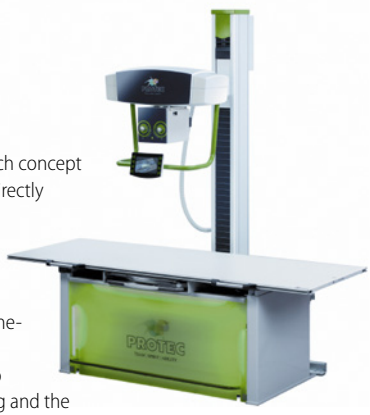
PROTEC · PEDS 600 (Touch option)

Power 40 / 50 / 65 / 80 kW
Detector Different panel and scintillator versions, max. 43 x 43 cm
Pixel size e. g. 127 µm

Highlights
- DR-System with digital flat panel detector
- PROVARIO HF generator (40 – 80 kW)
- Anatomical programs and AEC
- Variable SID 110 – 200 cm
- Rotatable U-arm – 30° up to +135°
- Rotatable DR-detector
- "Touch" version: high-end solution with integrated image acquisition through touch-display directly at the system (compare: PRS 500 F/E DR Touch)

PROTEC · PRS 500 F (Touch option)

Power 40 / 50 / 65 / 80 kW
Detector Different single or dual panel systems, max. 43 x 43 cm
Pixel size e. g. 127 µm



Highlights
- Integrated state-of-the-art touch concept
- Radiographic positioning aid directly at the system
- Patient selection, job selection and generator control at integrated touch-screen
- First preview at the system immediately after the exposure
- Outstanding ease of use due to ideal workflow, simple handling and the selection of the patient at the X-ray system directly

PROTEC · PRS 500 E (Touch option)

Power 40 / 50 / 65 / 80 kW
Detector Different single or dual panel systems, max. 43 x 43 cm
Pixel size e. g. 127 µm

Highlights
- PROVARIO HF generator integrated into the table (40 – 80 kW)
- APR and AEC
- Automatic coupling device to center tube and bucky
- Including wall bucky stand; stitching as optional solution
- Floating carbon fibre table top
- Adjustable height combined with undertable generator
- Fully digital DR-System with flat panel detector technology, different configurations from single to dual detector systems

DR

PROTEC · PRS 500 X (Touch option)

Power 40 / 50 / 65 / 80 kW
Detector Different panel and scintillator versions, max. 43 x 43 cm
Pixel size e. g. 127 µm

Highlights
- Easy system handling and positioning due to its optimum weight counterbalance concept
- Maximum flexibility and workflow efficiency
- Outstanding variability and extensibility in case of changing application requirements (e. g. upgrading with extended floor-rail)
- Fully digital X-ray generator connection by CONAXX image acquisition software
- Also available as TOUCH Version (see PRS 500 F / E)

Roesys · X Twin

Power 65 / 80 kW
Detector CsI, 43 x 43 cm
Motorized SID 100 – 200cm

Highlights
Multifunctional device with two stands for taking images on lying, standing and sitting patients includes an operating unit with all device functions, integrated collimator and X-ray tube. It is equipped with a motorized tracking control for automatic centering of detector and X-Ray-tube unit. In addition, you can adjust the X-ray tube individually by a telescopic extension.

Roesys · X Fit

Power 50 / 65 kW

Highlights
The X Fit System consist of a Table with floating tabletop, a X-Ray tube column with longitudinal movement and a fixed wall stand. The System integrated power block consisting of generator, collimator and DAP measurement chamber.
The X Fit System is prepared for installation of Bucky´s or Flat Panel Detectors and has a mechanical synchronization of the X-ray source and Bucky Table.

Samsung · GC85A

Design Ceiling DR System
Power 52 / 82 kW
Detector S4343-W, S4335-W, S3025-W
Pixel size 140 µm

Highlights
- Smart Control for one touch operation and flexible positioning
- Shared Bucky (S4343-W, S4335-W) for flexible usage on a table
- Smart Stitching for diagnostic convenience
- S-Detectors with high DQE
- S-Align that ensures precise alignment for high image quality
- S-Vue imaging engine for diagnostic confidence
- S-Share for compatibility with Samsung DR systems
- Save-power Mode for cost efficiency
- Advanced applications (Option): BSI, SimGrid, S-Guide

Samsung · GC70

Design Ceiling DR System
Power 52 / 82 kW
Detector S4343-W, S4335-W, S3025-W
Pixel size 140 µm

Highlights
- Semi-auto Ceiling (Motorized Z-movement)
- Motorized wall stand for streamlined operations
- Smart Stitching for diagnostic convenience
- Flexible Configuration (Table, Detector, Tube & HVG)
- Shared Bucky (S4343-W, S4335-W) for flexible usage on a table
- S-Detectors, S-Vue, S-Align, S-Share (same as GC85A)
- Advanced applications (Option): BSI, SimGrid, S-Guide

Samsung · GU60A

Design Universal-arm DR System
Power 50 / 65 kW
Detector S4343-W, S4335-W, S3025-W
Pixel Size 140 µm

Highlights
- Auto Positioning for straightforward placement
- Remote Control that enables convenient movement of devices
- Smart Stitching for diagnostic convenience
- S-Detectors with high DQE
- S-Vue imaging engine for diagnostic confidence
- 4-axis individual blade control that reduces radiation dose
- Collision Avoidance System that detects the movement of patients and users
- Status Color Coding that enables users to readily view movement status

Samsung · GF50

Design Floor-mounted DR System
Power 40 / 52 kW
Detector S4335-W, S4335-WV
Pixel Size 140 µm

Highlights
- Efficient space usage by compact design
- 4-way or 6-way table movement for quick positioning
- Foot sensor that provides enhanced accessibility
- Enhanced dose management by DAP and AEC
- S-Detectors with high DQE
- S-Vue imaging engine for diagnostic confidence

Shimadzu · RADspeed DR

Power 50 / 65 / 80 kW
Detector Flat panel detector (a-Si)
Pixel size 160 / 125 µm

Highlights
- Flexible choice of different flat panel detectors
- Excellent image quality
- Auto-positioning function
- Superb dose efficiency
- Seamless network integration
- Size: 17" x 17" (43 x 42 cm)
  14" x 17" (35 x 43 cm)
  9" x 11" (23 x 28 cm)

Shimadzu · RADspeed DR wireless*

Power 50 / 65 / 80 kW
Detector Flat panel detector (a-Si)
Pixel size 125 µm

Highlights
- New generation with wireless flat panel detector
- Excellent image quality
- Auto-positioning function
- Superb dose efficiency
- Seamless network integration
- Size: 17" x 17" (43 x 42 cm)
  14" x 17" (35 x 43 cm)
  14" x 11" (35 x 27 cm)

** System configuration available in selected countries only*

Shimadzu · RADspeed Pro V4

Power 80 / 65 / 50 kW
Detector 17" x 17", 14" x 17"
Pixel size 139 µm

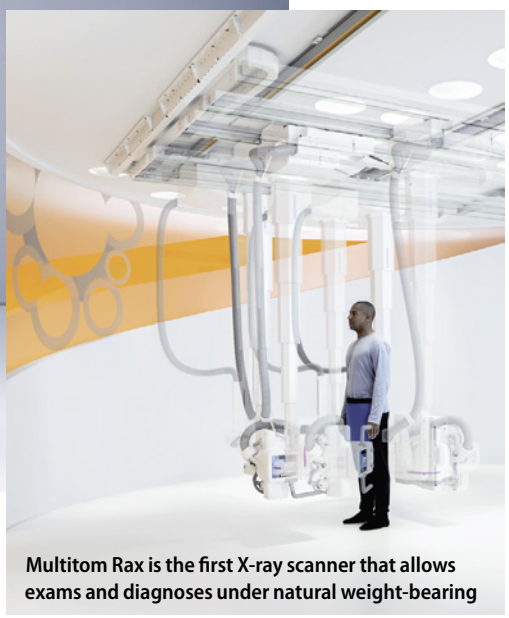
Highlights
- Fully integrated operation system
- Flexible and easy to use X-ray tube support
- Various FPD line-up: 17" x 17" / 14" x 17" (portable wired, wireless)
- Synchronized functions: auto positioning, auto tracking, auto collimation, speed stitching
- Comprehensive dose management

Shimadzu · RADspeed Pro EDGE

Power 50 / 65 / 80 kW
Detector 43 x 43 cm integrated, 43 x 35 cm portable
Pixel size 150 µm

Highlights
- High-performance digital radiographic system with extended functionality
- Tomosynthesis (Digital multi-slice tomography)
- Auto-stitching (Speed Stitch function)
- Dual Energy Subtraction
- Auto-positioning
- Innovative flat panel detectors for increased versatility
- Low dose collimator with auto-filtering feature

The world's first Twin Robotic X-ray scanner lets the robots move – not the patients



Multitom Rax is the first X-ray scanner that allows exams and diagnoses under natural weight-bearing

Multitom Rax
the first Twin Robotic X-Ray system

Multitom Rax (Robotic Advanced X-ray) enables a wide variety of examinations in a range of clinical areas to be performed using only a single X-ray system for the first time. In addition to conventional 2D X-rays, the system also makes it possible to perform fluoroscopy examinations, angiography applications and even 3D imaging.

The operator is always in full control of the system's movement. By the push of a button, both robotic arms are being positioned fully automatically around the patient, improving both safety and convenience. There is no need to move the patient on the system or to change rooms for further imaging procedures, which makes examinations less painful and less time-consuming. Work processes in hospitals can be improved and economic efficiency increased.

The new system can be used for emergency medicine, orthopedics, angiography or fluoroscopy, and can thus help optimize clinical work processes. The detector can be freely positioned. Quite different X-ray images, both static and dynamic, can be taken in a single room using a single system. That saves time and avoids unnecessary costs, since specially installed modalities for examinations that are not performed on a daily basis can be uneconomical for hospitals. On the other hand, systems that are in regular use can cause lengthy waiting times, and this is where the new X-ray scanner can help ease the burden.

First time robotic precision in X-ray

The two ceiling-mounted arms can be moved into position automatically, and they can also be moved manually, servo motor supported, when required – to make fine adjustments, for example. While one arm moves the X-ray tube, the other carries the 43 x 43 cm detector, which can record static, dynamic and real 3D sequences.

With conventional radiography systems, the detector often has to be placed in an external holder. In addition to the extra time required, this also involves the challenge of positioning the tube at exactly 90 degrees. Multitom Rax does this at the push of a button

for free exams. This prevents any risk of having to repeat image processes because the tube was not precisely positioned. The system offers optionally also wireless, portable detectors in two different sizes that can be positioned directly between the wheelchair or mattress and the patient's back. The automatic control of the robotic arms ensures that they will always take the shortest and safest route to reach the next programmed position. Pre-programmed safety zones and an automatic stop in response to contact also improve safety.

Always a perfect alignment of tube and detector even at free examinations

3D imaging offers diagnostic certainty

3D computed tomography (CT) images are often used in situations such as orthopedic examinations involving the implantation of prosthetic joints. Multitom Rax makes it possible to take 3D images under the patient's natural weight bearing condition. 3D images can be made of all areas of the body with the patient seated, lying down or standing. Images taken while the patient is standing are essential because for example knees, pelvis and spinal column appear differently under the influence of the patient's body weight compared to when the patient is lying down. As a result, 3D images acquired by Multitom Rax offer better diagnostic and planning certainty compared to those that do not reflect a natural weight bearing condition. Conventional 2D X-rays, for example, do not always reveal fine hairline fractures in the bone. If a bone fracture is suspected, it has previously been necessary to take a 3D image using a CT system to be sure of the diagnosis. With Multitom Rax, however, a 3D image can be taken at the same system, and so the patient does not have to wait for a further appointment or to be transferred to the CT unit.

Multiple X-ray capabilities in one room: radiography, fluoroscopy, 3D images, and angiography

Easy access to the patient – in pediatrics in particular

A free-standing patient table and fully mobile system elements with Multitom Rax provide a more comfortable examination atmosphere. The fact that the table can be adjusted to a very low 50 centimeter table height means that children can get onto it by themselves. It can also be positioned at the most convenient working height. The hospital staff thus has full access to the patient, with no need for the hospital staff to twist into an anatomically unnatural position. The result is an improvement in both safety for the patient and the examining physician, and in the level of convenience, since it is the system that moves when needed, not the individuals. Additional devices and personnel are often essential for interventional procedures such as fluoroscopic needle localization in particular. The open system design makes it possible to position the tube and detector most appropriately in the room. And the fact that both arms are ceiling-mounted means there is no floor-mounted equipment or cable ducts to get in the way.

Standardization – for future treatment trends, too

As a part of the Max system family from Siemens Healthineers, Multitom Rax stands out by providing the same image impression and thus making it easier to compare X-ray images. The controls and user interfaces on the Max systems are identical, which means the operators have no need to familiarize themselves over again with new equipment. The wireless detectors in the Max family can also be used equally with all the systems in the family, improving the level of flexibility.

www.siemens.com/mtr

Multitom Rax is not commercially available in all countries. Due to regulatory reasons their future availability cannot be guaranteed. Further details are available from the local Siemens organizations.

DR

Siemens Healthineers · Multitom Rax

Design Ceiling-mounted robotic tube **and** detector
Detector a-Si / CsI
Size RAX detector 43 x 43 cm, MAX wi-D 43 x 35 cm, MAX mini 30 x 24 cm

Highlights
The world's first Twin Robotic X-ray scanner enables streamlined clinical pathways while improving diagnostic insights and treatment.
- Offers a multitude of X-rays – in just one room
- Lets you see reality with natural Real 3D – for the first time
- Let the robots move – not your patients
- Defines standards easily – and multiplies your productivity
- Is future-proof – with Twin Robotic X-ray

Siemens Healthineers · Ysio Max

Power 65 / 80 kW
Detector a-Si / CsI
Size MAX wi-D 43 x 35 cm, MAX mini 24 x 30 cm, MAX static 43 x 43 cm, all 148 µm

Highlights
- Redefine your workflow: focus on your patient and boost your efficiency
- Scaled automation to match your routine, from tracking to simultaneous movement in six axes or Ortho workflow
- Excellence in every imaging step with MAX detectors, MAXalign and Diamond View Plus
- The MAX effect: combine with other MAX systems for additional benefits in terms of standardization, savings and satisfaction

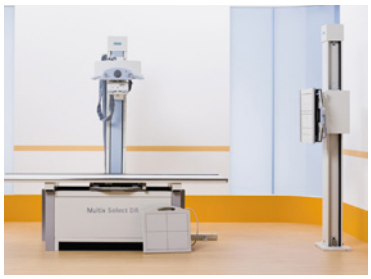
Siemens Healthineers · Multix Fusion Max

Power 55 / 65 / 80 kW
Detector a-Si / CsI
Size MAX wi-D 43 x 35 cm, MAX mini 24 x 30 cm, MAX static 43 x 43 cm, all 148 µm

Highlights
- Fast, high-quality results – easy positioning with tube tracking and MAX image quality
- Low costs over lifetime – in-tray detector charging and sharing over multiple MAX systems
- Consistent performance – high-quality components adapted from Ysio Max
- Ortho Fusion – for long leg and long spine images
- The MAX effect: combine with other MAX systems for additional benefits in terms of standardization, savings and satisfaction

Siemens Healthineers · Multix Select DR

Power 55 kW
Detector aSi / GOS
Size 35 x 43 cm, 139 µm



Highlights
- Robust mobile flat detector to cover the full spectrum of clinical applications
- Imaging system from Siemens Healthineers' high-end product line (e. g. Ysio Max, Multix Fusion) enhanced by DiamondView Plus
- Intelligent automation with organ preset programs to speed setup and improve reproducibility
- High system reliability and availability
- Economical minimum space requirement of only 11 sqm with an integrated generator

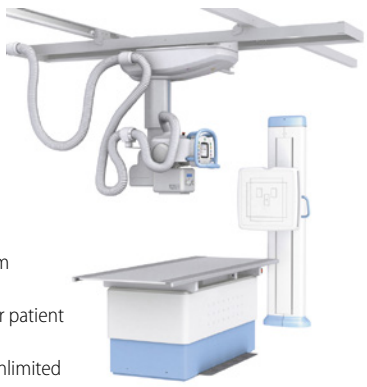
STEPHANIX · RAD Series Pro DReam

Design Customizable floor tubestand RAD room
Technology Up to 3 Flat Panel Detectors, indirect conversion
Detector Fixed and wireless solutions

Highlights
- Manual or vertical tracking version
- Single or multi-detectors room
- Fixed or tilting wall Bucky
- Floating elevating tabletop for patient weight up to 300 kg
- Intuitive user interface with unlimited preset APR
- Possibility to share wireless detectors with different Stephanix modalities

STEPHANIX · Xtreme DReam

Design Customizable ceiling RAD room
Technology Up to 3 Flat Panel Detectors, indirect conversion
Detector Fixed and wireless solutions



Highlights
- Manual, vertical tracking or autopositioning version
- Single or multi-detectors room
- Fixed or tilting wall Bucky
- Floating elevating tabletop for patient weight up to 300 kg
- Intuitive user interface with unlimited preset APR
- Possibility to share wireless detectors with different Stephanix modalities

STEPHANIX · Statif Pro DReam

Design Universal autocentred C-arm DR unit
Detector Full-field or portable flat panel detector
Motorized Automatic positioning, collimation, filtration, parameters
Table Optional carbon or elevating tabletop, on wheels

Highlights
- Low footprint for wide range of procedures at standing, sitting or lying patient
- C-arm shaped for cross exams
- Autopositioning regarding each protocol
- Automatic and virtual collimation, additional filtration
- User-friendly interface
- Wireless remote

STEPHANIX · Statif DReam

Design Cost-efficient universal autocentred DR unit
Detector Full-field or portable flat panel detector
Table Optional carbon or elevating tabletop, on wheels

Highlights
- Multipurpose DR solution for small budgets
- It can be dedicated to chest and extremities examinations
- Low footprint for wide range of procedures at standing, sitting or lying patient
- Manual or motorized (SID and vertical movement)
- User-friendly interface

Swissray · ddRFormula Plus

Power 65 / 80 kW
Detector a-Si CsI, 43 x 43 cm
Pixel size 148 µm

Highlights
- Fully automated Positioning System (APS) for highest patient throughput
- 1,296 pre-programmed APR's
- Hand held remote control
- Superb diagnostic IQ with heigh contrast details
- Single Focus eXpertStitching function for orthopedic imaging
- Multi language capability
- Off-center and off-detector imaging capability
- Integrated video camera to monitor patient and ensure positioning

Swissray · ddRElement

Power 50 / 65 kW
Detector a-Si CsI, 43 x 43 cm
Pixel size 148 µm

Highlights
- Space efficient, multifunctional DR system fits into small X-ray rooms
- 43 x 43 cm flat panel detector delivers superb image quality within seconds
- Multiple language capability
- Robust and reliable design
- Easy and intuitive to use, includes digital positioning guide
- Off-center and off-detector imaging capability
- Workflow optimization through advanced eXpert and SwissVision user interface

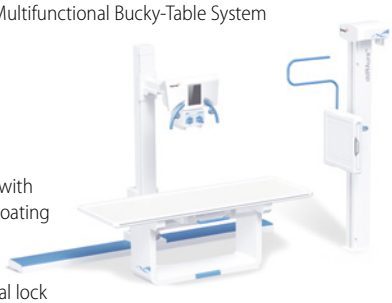
Swissray · ddRAura OTC/ APS

Power 50 / 65 / 80kW
Detector a-Si CsI, 43 x 43 cm and 35 x 43 cm WIFI
Pixel size 148 µm
System concept Automated Ceiling suspension DR-System

Highlights
- Versatile ceiling suspension DR-System with height adj. floating table top
- Ergonomic handles and multi-directional lock release buttons
- Wall stand optionally tiltable
- 9.7" touch-screen console on tube side
- Auto tracking, sensing table and wall stand or fully automated
- Rotational bucky with on-board charging of detector
- 5-field AEC
- Patient registration to image storage in just 3 steps
- Auto Stitching up to 5 images

Swissray · ddRAura FMTS

Power 50 / 65 / 80 kW
Detector a-Si CsI, 43 x 43 cm and 35 x 43 cm WIFI
Pixel size 148 µm
System concept Multifunctional Bucky-Table System



Highlights
- Floor mounted DR-System with fixed or height adjustable floating table top
- Tubestand with ergonomic handles and multidirectional lock release buttons
- Wall stand optionally tiltable
- 9.7" touch-screen console on tube side
- Auto tracking and sensing table and wall stand
- Rotational bucky with on-board charging of detector
- Patient registration to image storage in just 3 steps
- Manual Stitching up to 5 images

DR

Toshiba · Radrex-i

Power 80 kW
Detector a-Si / CsI
Pixel size 139 µm

Highlights

This digital radiography system is a new-concept system that permits radiography to be performed easily and with greater accuracy. In this system, the operating sections for the digital image processor and the X-ray high-voltage generator are integrated, and the use of an integrated panel improves workflow.

VILLA SISTEMI MEDICALI · Armonicus

Power 50 / 65 / 80 kW
Detector a-Silicon detector with CsI scintillator, 43 x 43 cm
Pixel size 143 µm

Highlights

- Cost-effective DR U-arm system for extended use, including general radiographic and orthopedic studies
- Easy patient positioning via APR functions
- Auto-positioning capabilities according to RIS procedure codes
- Touch screen control panel, secondary keyboard and infrared remote control as standard
- Variable Source to Image Distance up to 180 cm
- On-board parking station for two grids

VILLA SISTEMI MEDICALI · Moviplan iC with ceiling suspension

Power 50 / 65 / 80 kW
Detector a-Silicon detector with CsI scintillator, 35 x 43 cm or 43 x 43 cm
Pixel size 100 µm or 143 µm

Highlights

- High-end solution allowing great application flexibility and high production capacity
- Touch Screen interface integrated on tube-head
- Tiliting chest stand with special horizontal positioning for exams on mobile stretchers
- Rapid and precise system positioning thanks to full auto-tracking and autopositioning
- Available with stitching and dual energy functions

VILLA SISTEMI MEDICALI · Moviplan iC with floor-mounted column

Power 50 / 65 / 80 kW
Detector a-Silicon detector with CsI scintillator, 35 x 43 cm or 43 x 43 cm
Pixel size 100 µm or 143 µm

Highlights

- Innovative design with no unsightly cables
- Anti-collision system and reduced thickness rails
- Table commands with distinctive "light barrier"
- Touch Screen interface integrated on tube-head for immediate inputs
- No patient limitation thanks to high weight capacity
- Electronic tomography with free selection of angle
- Available with stitching, auto-positioning, dual energy functions

Wandong · New Oriental 1000

Power 50 kW
kV Range 40 ~ 150 kV
Detector 43 x 43cm (17 x 17")
Resolution 3.6 lp / mm

Highlights

- High frequency 50 kW generator
- Classical mechanical structure for all needs of clinical application
- Large LCD touch screen table-side control
- X-ray tube auto tracking with the vertical bucky
- 600 APR programs
- Fixed or portable 17 x 17" FPD
- InvaRay digital imaging platform with DICOM 3.0 compliance

Wandong · New Oriental 1000 Fully Automatic

Power 80 kW
Detector 43 x 43 cm FPD
Pixel size 143 um

Highlights

- 80 kW high frequency generator
- Advanced FPD detector
- Ceiling suspending structure meet all kinds of clinical needs
- 5 axis electric moving and control
- Advanced patient protection technology
- More than 600 APR programs, user definable
- Tube and detector auto-tracking function
- Programmable fast position switch
- High acquisition speed
- Remote control available

Wandong · New Oriental 1000 U-arm DR

Power 50 KW
kV Range 40 – 150 kV
Detector 17 x 17" FPD

Highlights
NEW ORIENTAL 1000 U-arm DR is a versatile digital X-ray system to meet customer demands of digital diagnosis. Less dose and faster acquisition.
- High frequency 50kW Generator
- 600 APR Programs
- 17 x 17" FPD
- Compact U-arm structure with motorized rotation and vertical movement is an ideal solution for inadequate installation space
- InvaRay digital acquisition with DICOM 3.0 compliance

DR RETROFIT

Agfa · DR 14s detector

Size 46 x 38,4 x 1.5 cm
System concept Wireless
Detector Cesium Iodide (CsI) detector conversion screen
Pixel size 125 µm

Highlights
- Extremely long battery autonomy of up to eight hours
- MUSICA processing for excellent contrast detail & exam-independent, consistent image quality
- Choice of Cesium Iodide (CsI) or Gadolinium Oxy-Sulphide (GOS) detector scintillator
- Improved workflow & examination speed
- Lightweight, small, high resolution Automatic Exposure Detection (AED) detector
- Offers optimal convenience & portability
- High DQE & optimal pixel size, for low dose examinations
- Easy to clean & disinfect

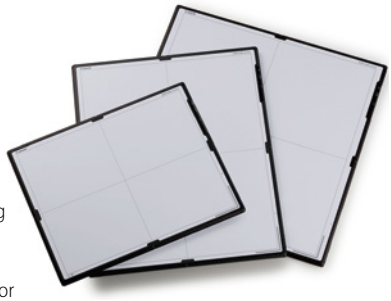
Canon · Canon DR-Upgrade-within-2-minutes

System concept DR Upgrade within 2 minutes
Design 2 components
Resolution 125 µm
Cassette size 43 x 42 cm, 35 x 43 cm, 27.4 x 35 cm

Highlights
Easy upgrade solution for any X-ray system in two minutes using just two components
- No connections or modifications to your existing X-ray system is necessary
- With CXDI-401C / 701C / 801C Wireless Flat Panel Detectors
- Optional USB DAP-meter for dose registration
- DR Upgrade within 2 minutes. Freedom within reach

Canon · CXDI-410C/710C/810C Wireless

Technology Cesium Iodide Scintillator
Resolution 125 µm
Size 27.4 x 35 cm, 35 x 43 cm, 43 x 42 cm



Highlights
New wireless flat panel detector range
- Ultralight wireless detectors
- Increased durability by strong carbon fiber construction techniques
- New sleek ergonomic detector design for easy hold, easy handle and easy position
- New docking station for detector check-in, detector battery charging and image transfer
- Waterproof (IPX7)
- Equipped with on-board memory where 99 images can be stored (in stand-alone-mode)

Not commercially available in Europe yet

DMS Imaging · EZ2GO

Design DR upgrade mobile in 2 minutes
System concept 2 components
Detector 36 x 43 cm or 24 x 30 cm

Highlights
- Connect up to 3 wifi flat panel detectors
- Image preview in 2 s and image acquisition in 4 s
- 8 h battery / autonomy
- The cassette size of the detector allows upgrade everywhere in the hospital
- Ideal for control exams for bedridden patients
- The lightiest solution of the market (3.9 kg tablet & detector)

Konica Minolta · AeroDR Premium

Technology Portable Digital X-ray Detector
Cassette size 14 x 17" / 35 x 43 cm
Detector CsI scintillator

Highlights
- Lightweight, only 2.6 kg
- Improved cycle time for increased throughput
- Robust: surface load of 300 kg
- AED – Hybrid detection technology
- Waterproof IPX6, this makes the detector suitable for more extreme environments
- Konica Minolta's unique capacitor technology: quick charging (30 minutes), no overheating

DR RETROFIT

Konica Minolta · AeroDR 2S

Technology Portable Digital X-ray Detector
Cassette size 14 x 17" / 35 x 43 cm
Detector CsI scintillator

Highlights
- Konica Minolta's lightest 14 x 17" detector on the market at just 2.5 kg
- Robust, IPX6 waterproof, carbon monocoque housing
- Full image acquisition within four seconds only
- Charging time of only 13 minutes
- AeroSync

Konica Minolta · AeroDR HD

Technology Portable Digital X-ray Detector
Detector CsI scintillator
Pixel size 100 µm
Weight 2.6 kg

Highlights
- Pixel size: 100 µm – High Definition
- Able to display micro structures
- Better visibility of bone trabecular
- No "pixel shape" when zooming in
- Lightweight for easy handling: 2.6 kg
- Load resistance of 400 kg
- 130 kg bending resistance
- 2 second preview
- Waterproof IPX6

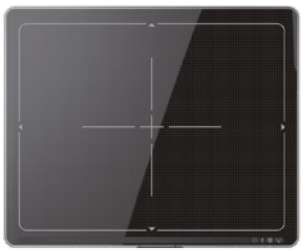
medical ECONET · meX+1717SGC/SCC

System concept Wired DR Detector
Technology Gadolinium Oxysulfide (Gadox) or Cesium-Iodide (CsI)
Image area 423 x 423 mm
Resolution 3,328 x 3,328 pixels, 127 µm

Highlights
- Digital retrofit panel for stationary use
- AED function (Automatic Exposure Detection)
- Largest imaging size allows examination of several body parts in one shot
- Ultra-flat (15.5 mm) DR detector with same size as film cassette or CR image plate
- Highest image resolution by decreased radiation dose
- Low weight of 4.4 kg and quick acquisition time

medical ECONET · meX+1012WCC

System concept Wireless DR Detector
Technology Cesium-Iodide (CsI)
Imaging area 259 x 320 mm
Resolution 2,080 x 2,560 pixels, 127 µm



Highlights
- WIFI: Complete wireless solution with high performance Li-ion battery
- AED: Automatic Exposure Detection
- AP MODE: Direct wireless communication between detector and workstation
- Lowest weight of 1.7 kg
- Excellent image quality due to Amorphous Silicon with CsI-Scintillator
- Great Advantages for outdoor radiography and mobile applications
- Water resistant

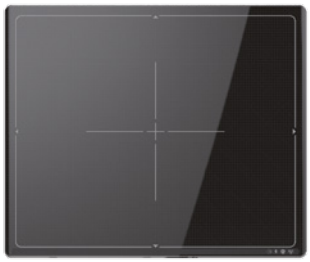
medical ECONET · meX+1417PGA/PCA

System concept Wired DR Detector
Technology Gadolinium Oxysulfide (Gadox) or Cesium-Iodide (CsI)
Imaging area 358 x 423 mm
Resolution 2,756 x 3,268 pixels, 127 µm

Highlights
- Suitable for mobile and stationary use
- AED function (Automatic Exposure Detection)
- Ultra-thin DR flat panel with same size as film cassette or CR image plates
- Large imaging area for all general radiographic examinations
- Superb-crystal image resolution and fast acquisition time
- Removable handle for flexible use

medical ECONET · meX+1417WGC/WCC

System concept Wireless DR Detector
Technology Gadolinium Oxysulfide (Gadox) or Cesium-Iodide (CsI)
Imaging area 358 x 423 mm
Resolution 2,756 x 3,268 pixels, 127 µm



Highlights
- WIFI: Complete wireless solution
- AED: Automatic Exposure Detection
- AP MODE: Direct Wireless communication between detector and workstation
- Ultra-thin DR flat panel with same size as film cassette or CR image plates
- Suitable for mobile and stationary usage
- Superb-crystal image resolution and fast acquisition time
- Low weight of 3 kg
- Water resistant

medigration GmbH · DR Retrofit-Kit DX | Vision

Pixel size 148 µm, 16 bit
Detector a-Si, CsI Pixium, 35 x 43 cm
System concept Wireless, portable detector with WLAN and Battery

Highlights
Your upgrade to fully digital radiography
- Easy integration into an existing X-ray system
- 100 % touch-capable user interface
- Cordless and lightweight wireless flat panel detector
- For the use with mobile X-ray systems
- Auto-trigger mode (AED function) – No need to synchronise with the generator
- Excellent image quality through an integrated operating program with HARMONY image processing

Philips · SkyPlate Detector with SkyFlow Option

Detector SkyPlate detector, CsI
Size 35 x 43 and 24 x 30 cm

Highlights
- New generation of digital, portable detectors
- Part of the Eleva platform providing excellent image quality with UNIQUE image processing
- Flexible use of SkyPlates in vertical stands, in table trays or for free exposures depending on system configuration
- Detector sharing with compatible Philips X-ray systems
- Removable SkyPlate battery can be charged separately while a second battery is used in the detector
- Fast, gridless workflow, low dose and excellent image quality with the scatter correction technology SkyFlow

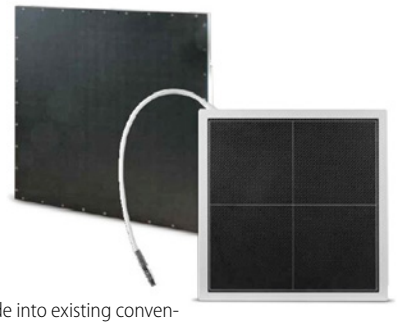
PROTEC · RAPIXX tethered / mobile detectors

System concept Portable, tethered
Detector 43 x 36 cm or 43 x 43 cm, different scintillator versions
Pixel size e. g. 127 µm

Highlights
- 16 bit dynamic range
- Cable connection, lightweight: 3.7 kg
- Predestined for simple retrofitting of existing X-ray units due to dimensions equal to conventional X-ray cassette (ISO 4090 compliant)
- High shock tolerance and water resistant portable flatpanel detector
- Interface box, power supply and CONAXX 2 image acquisition software included in standard delivery – fully DICOM compatible for integration to PACS

PROTEC · RAPIXX fix installed detectors

System concept Stationary, tethered
Detector 43 x 43 cm, different scintillator versions
Pixel size e.g. 139 µm



Highlights
- 16 bit dynamic range
- Cable connection
- Minimal cycle time: 6 s
- For integration and upgrade into existing conventional X-ray units / intended for constant mounting in a X-ray unit
- Interface box, power supply and CONAXX 2 image acquisition software included in standard delivery
- Fully DICOM compatible for integration to PACS

PROTEC · RAPIXX WiFi detectors

System concept Wireless, portable detectors
Detector 43 x 36 cm or 43 x 43 cm, different scintillator versions
Pixel size e. g. 127 µm

Highlights
- Complete set of wireless detector incl. two batteries, CONAXX 2 DR-software (X-ray generator connection as option)
- Detectors are ISO 4090 compliant, existing bucky can be used for DR retrofit
- Just one flatpanel required for integration into bucky table + wall stand
- 16-bit dynamic range and high DQE for excellent image quality in 3 sec
- Lightweight: < 3.0 kg

Roesys · X Vison go

Highlights
The system solution "X vision go" allows existing mobile X-ray machines to be retrofitted with digitalisation capability. This enables operators to produce high-resolution digital patient images rapidly with low radiation exposure.

DR RETROFIT

Samsung · GR40CW

Technology Wireless, a-Silicon detector with CsI scintillator
Detector S4343-W, S4335-W, S4335-WV, S3025-W
Pixel size 140 µm

Highlights
- High DQE for excellent imaging
- Lightweight S-Detector for easy handling
- AED (Automatic Exposure Detection), Fast preview
- S-Vue imaging engine for diagnostic confidence
- S-Share for compatibility with Samsung DR systems

STEPHANIX · Nomad DReam

Design Portable acquisition console and wifi FPD
Detector Wireless, auto-trigger mode

Highlights
- To get easily the digital benefits in analog x-ray rooms and mobile units
- No modification or Generator connection
- Several panel brands and sizes are available
- Advanced functions: APR, post-processings
- DICOM connectivity
- Shareable solution with other Stephanix modalities

Swissray · ArtPix Mobile EZ2GO

System concept Truly Portable Digital Radiography System
Detector a-Si CsI, 35 x 43 cm WIFI
Pixel size 148 µm
kV Range 40 – 150 KV

Highlights
- Rugged Tablet PC
- Simple Select and Shoot Software
- Automatic Exposure Detection (AED)
- Use with any X-ray room or mobile X-ray
- Detector has same size and weight as a CR cassette
- Any place you would use CR – you can now use ArtPix Mobile EZ2GO
- Wirelessly transfer images to tablet
- Wirelessly transfer images from tablet to PACS

Toshiba Electron Tubes & Devices · FDX 2530 RPW

System concept Wireless flat panel detector
Detector CsI / Tl, 25 x 30 cm
Pixel size 140 µm

Highlights
- Wireless compact FPD
- Incorporates Toshiba's proven advanced fine CsI / Tl and direct deposition technologies
- Unique moisture-proof sealing method used for the CsI / Tl screen
- Automatic switching between wireless/tethered mode
- Short cycle time (less than 10 s)
- Recharging in tethered mode
- Detachable cable connector
- Lightweight: 1.7 kg
- AED available
- Compact and lightweight battery recharger

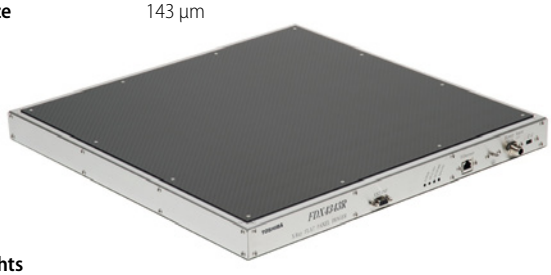
Toshiba Electron Tubes & Devices · FDX 3543 RPW / FDX 4343 RPW

System concept Wireless flat panel detector
Detector CsI / Tl, 43 x 43 cm, 35 x 43 cm
Pixel size 140 µm

Highlights
- Wireless type Portable FPD
- Incorporates Toshiba's proven advanced fine CsI / Tl and direct deposition technologies
- Unique moisture-proof sealing method used for the CsI / Tl screen
- Standard cassette size
- Automatic switching between wireless / tethered mode
- Short cycle time (less than 10 s)
- Recharging in tethered mode
- Detachable cable connector
- Compact and lightweight battery recharger

Toshiba Electron Tubes & Devices · FDX 4343 R

System concept Static flat panel detector
Detector CsI / Tl, 43 x 43 cm
Pixel size 143 µm



Highlights
- Toshiba's proven advanced fine CsI / Tl and direct deposition technologies provide high DQE and excellent resolution.
- The reflective coating in the CsI / Tl screen provides high sensitivity.
- Unique moisture-proof sealing method provides an extremely reliable CsI / Tl screen that is protected from degradation.
- Prompt display of preview / full images and short cycle time enable fast image acquisition.

KONICA MINOLTA

EUROPEAN CONGRESS OF RADIOLOGY
ECR 2017
Vienna
MARCH 1-5

Unique in its own way.

AeroDR X30 from Konica Minolta.

AeroDR X30 is Konica Minolta's mobile digital X-ray system, and it is unique in its own way. Why? The AeroDR detector can easily be stored and at the same time automatically charged in the bin, even during driving. The unique **Lithium-Ion-Capacitor technology** of the AeroDR detectors allows charging whenever and wherever without losing any perfomance capacity.

Because of its **retractable column**, the AeroDR X30 is easy to manoeuvre. Furthermore, the system is very compact and has a smart, space saving design. Two detectors can be carried along in the bin. AeroDR X30 can be combined with Konica Minolta's robust, carbon fiber Flat Panel Detectors available in various sizes: 10x12'', 14x17'' and 17x17''.

Visit us at ECR, booth X5/2

AeroDR X30

KONICA MINOLTA MEDICAL & GRAPHIC IMAGING EUROPE B.V.
www.konicaminolta.eu/healthcare | info-nl@mg.konicaminolta.eu

Giving Shape to Ideas

DR RETROFIT

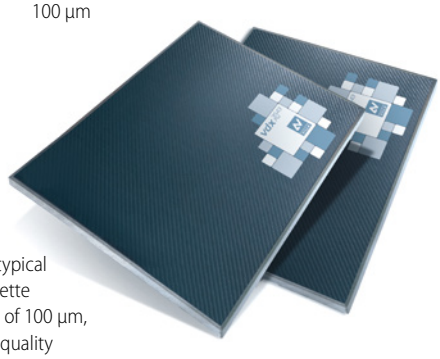
Toshiba Electron Tubes & Devices · FDX 3543 RP

System concept Portable flat panel detector
Detector CsI / Tl, 35 x 43 cm
Pixel size 143 µm

Highlights
- Toshiba's proven advanced fine CsI / Tl and direct deposition technologies provide high DQE and excellent resolution.
- Unique moisture-proof sealing method provides an extremely reliable CsI / Tl screen that is protected from degradation.
- Compact and lightweight for easy handling
- Standard cassette size
- Prompt display of preview/full images and the short cycle time enable fast image acquisition.

VILLA SISTEMI MEDICALI · VDX 3543PW

System concept Wireless
Detector a-Silicon detector with CsI scintillator, 35 x 43 cm
Pixel size 100 µm



Highlights
- Complete cordless positioning freedom, typical of a conventional cassette
- Outstanding pixel size of 100 µm, for the highest image quality
- Auto-triggering mode: the detector automatically synchronizes the acquisition once the X-ray source starts the emission
- System equipped with battery charger and two batteries as standard
- Enhanced productivity with DICOM functions

VILLA SISTEMI MEDICALI · VDX 3543TC

System concept Wired
Detector a-Silicon detector with CsI scintillator, 35 x 43 cm
Pixel size 143 µm

Highlights
- Portable lightweight design flat panel fitting into existing bucky without modification
- Increased workflow
- Cost-effective solution, integrating a tether cable for both detector powering and image transferring
- Easy handling from chest stand to bucky table for upright, in-table, lateral and out of bucky exposures
- Enhanced productivity with DICOM functions

VILLA SISTEMI MEDICALI · ArtPix EZ2GO

System concept Wireless
Detector a-Silicon detector with CsI scintillator, 35 x 43 cm
Pixel size 148 µm

Highlights
- Plug-and-play solution for immediate upgrade to digital radiography
- Lightweight and portable acquisition system based on Wi-Fi Flat Panel detector and tablet
- Extreme flexibility and ease of use thanks to wireless connections
- Multi-use solution for shared use with general radiographic systems and mobile units
- Powerful acquisition software complete with post-processing tools and DICOM functions

MOBILE DR

Agfa · DX-D 100+ (mobile)

Motorized Up to 4 km / h
Technology Wireless - Amorphous Silicon Detector (a-Si)
mAs Range 100 – 500 mA selectable
kV Range 40 to 150 kVp

Highlights
- Easy operation, security and precision of all patientrelated positioning movements
- MUSICA processing provides superior contrast detail and consistent, exam independent image quality
- Fully motorized, with superior battery capacity due to split battery concept
- NX acquisition workstation offers comprehensive functionality for integrated workflow
- Wireless and tethered detectors available

Canon · DelftDI Mobile DR

Detector Canon CXDI-series, high resolution DR detectors
Resolution 125 µm
Power 32 kW
Motorized Motorized collapsible column support

Highlights
Setting a new standard in mobile X-ray
- Up to 200 kg lighter and super compact
- High power 32 kW IEC guarantees short exposure times
- Advanced new battery technology "X-tech cell" charging 6 times faster than competitors
- Battery operating time up to 9 hours
- Height and reach adjustable drive handle
- Collapsible column is 20 cm lower than competition providing clear forward visibility
- Integrated battery charger for Canon wireless flat panel detectors

DMS Imaging · RAFALE B EZ

Power	32 kW
Detector	35 x 43 cm
kV Range	40 to 125 kV
mAs Range	0.1 to 320 mAs

Highlights

The Rafale B EZ is a battery powered mobile X-ray unit featuring the EZ detector and integrated acquisition station which suits a wide range of clinical applications. Its compact size and integrated motor makes the unit movement smooth and precise. Thanks to telescopic tube arm and swivelling column it is able to easily move even in the hospital's smaller rooms.

GE Healthcare · Optima XR220amx

Motorized	Yes
Power	15 / 30 kW
kV Range	50 – 125
mAs Range	0.2 – 630

Highlights

- Easy to use with one hand
- Easy positioning between the beds – only 56 cm wide
- Wireless FlashPad detector with UWB connectivity for secure and fast data transmission
- Imaging possible during charging

GE Healthcare · Optima XR200amx

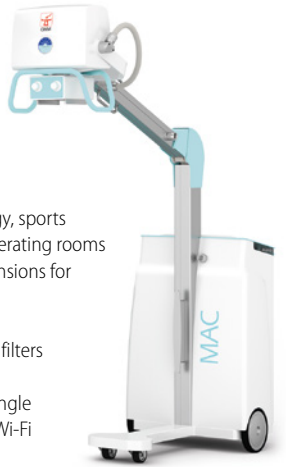
Motorized	Yes
Power	15 / 30 kW
kV Range	50 – 125
mAs Range	0.2 – 630

Highlights

- Investment protection through upgradeability with wireless detector
- Detector choice: GE FlashPad detector or Konica Minolta AeroDR detector
- Motorized variable speed
- Easy positioning between the beds – only 56 cm wide
- Imaging possible during charging

GMM · MAC – Mobile radiographic unit

Design	DR mobile unit with HF generator



Highlights

- Operational efficiency in general radiology, sports medicine, emergency, intensive care, operating rooms
- Compact unit with reduced overall dimensions for ease of transport and positioning
- Monoblock HF generator
- Collimator with LED lamp and additional filters
- Advanced touch screen user interface
- Different configurations available: with single detector (wired or Wi-Fi) or with double Wi-Fi detector

Konica Minolta · AeroDR X30

Power	20, 32, 40, 50 kW
kV Range	40 – 150 kVp
mAs Range	Up to 500 mAs
Detector	CsI Scintillator

Highlights

- Fully integrated digital mobile X-ray system
- Completely motorized and very easy to manoeuvre: can be controlled with one hand
- The AeroDR detector can easily be stored and at the same time automatically charged in the bin, even during driving
- 100 % wireless communication for effortless usage at patient's bedside
- Retractable, telescopic column
- Detector sharing with X-ray rooms

Konica Minolta · AeroDR Portable Solution

System concept	WLAN
Detector	AeroDR CsI FPD 10" x 12" / 14" x 17" / 17" x 17"
Pixel size	175 µm

Highlights

- Easy upgrade of existing portable unit to DR
- Improves your workflow
- Wireless
- Portable CS-7 console for image checking on the spot
- Preview in three seconds
- AeroDR detector sharing between portable unit and X-ray room

MOBILE DR

medical ECONET · meX+100

System Concept	Portable X-ray
Power	5 kW, 110 kV / 100 mA
mAs Range	0.1 – 100 mAs in 40 steps
kV Range	40 – 110 kV in 1 kV steps
Size	254 x 225 x 423 mm, 19.6 kg

Highlights
- High-performance capacitor for stable and reliable power supply
- Anatomic programme with 750 pre-set technique slots (PROM memory)
- LED display for set up up of kV and mAs
- Constant X-ray output without influence of line power fluctuation
- Automatic line voltage compensation

medical ECONET · meX+20

System concept	Portable X-ray
Power	1.6 kW, 100 kV / 20 mA
mAs Range	0.3 – 50 mAs in 22 steps
kV Range	40 – 100 kV in 1 kV steps
Size	220 x 200 x 352 mm, 9.8 kg

Highlights
- Light weight, compact size and durable cover
- LED collimator light
- High frequency technology enables clean diagnostic images
- Equipped with remote control functions by hand switch
- Stable X-ray output with lowest ripple
- User-friendly handle bar for outdoor usage
- Constant X-ray output without influence of line power fluctuation
- Strong body against external shock

medical ECONET · meX+20BT lite

System concept	Hybrid powered portable X-ray
Power	1.6 kW, 90 kV / 20 mA
mAs Range	0.4 – 20 mAs in 25 steps
kV Range	50 – 90 kV in 1 kV steps
Size	203 x 174 x 307 mm, 7.2 kg

Highlights
- HYBRID: Device can be operated by internal battery or external power supply
- LED collimator light
- High performance lithium-ion polymer battery
- Up to 560 exposures by just one charging
- Fully charge only within four hours
- Great advantage for outdoor radiography
- Exclusive remote controller using by hand switch
- Optional: Bluetooth interface for generator control

medical ECONET · meX+40BT

System concept	Hybrid powered portable X-ray
Power	2.4 kW, 100 kV / 35 mA
mAs Range	0.4 – 100 mAs in 35 steps
kV Range	40 – 100 kV in 1 kV steps
Size	250 x 214 x 349 mm, 14.2 kg

Highlights
- HYBRID: Device can be operated by internal battery or external power supply
- Universal unit with high power for various radiography applications
- Great advantage for outdoor radiography
- Up to 650 exposures by just one charging
- LED collimator light
- 21 pre-set technique slots (PROM memory)
- Exclusive remote control functions by hand switch
- Optional: Bluetooth interface for generator control

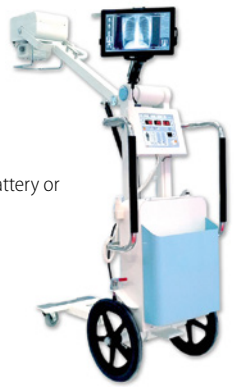
medical ECONET · Mobile X-ray table and bucky stand

Stand	55 x 45 x 202 cm, 12.5 kg

Highlights
- Collapsible X-ray table for maximum mobility
- Integrated bucky and grid holder moveable
- Smooth movement with dirigible wheels
- Stable bucky stand for thorax and all standing X-ray images
- Adjustable height of detector – from 18.5cm to 200 cm
- Foldable base for easy transportation and space-saving storage
- Easy to clean and desinfectant proof
- For all cassette sized detectors or CR plates

medical ECONET · POX-100BT

System concept	Hybrid powered mobile X-ray
Power	5 kW, 110 kV / 100 mA
mAs Range	0.1 – 100 mAs in 40 steps
kV Range	40 – 110 kV in 1 kV steps
Size	633 x 1,364 x 748 mm, 125 kg



Highlights
- HYBRID: Device can be operated by internal battery or external power supply
- Functional design for mobile application
- Smooth movement with dirigible wheels
- User-friendly LED-operation panel
- 30 pre-set technique slots (PROM memory)
- Foldable and easy to transport
- Optional: Mounting kit for tablet PC

medical ECONET · PXMS-2010

System concept Mobile stand for portable X-ray
Technology Gas spring technology
Maximum height 210 cm

Highlights
- Adaptable with every portable X-ray unit
- Easy handling by gas spring technology
- Folding and easy to transport
- Smooth movement with dirigible wheels

Mindray Medical · MobiEye 700 Mobile DR System

Detector CsI +TFT 35 x 43 cm
kV Range 40 – 150 kV
Power 30 kW / 50 kW
Pixel size 140 µm

Highlights
- Marvelous Mobility with intelligent operation
- Bionic design manipulator with eight high flexible mechanical joints
- Superior Power management technology
- Remote motion control and remote exposure control
- 19 Inch Multiple-touch Screen
- Lighter and smaller
- High reliability and compatibility
- Detector auto-charging

Philips · MobileDiagnost wDR

Technology Digital mobile X-ray system with sliding tube column option, SkyPlate detector and SkyFlow option
Detector Portable SkyPlate detector, CsI
Detector size 35 x 43 cm and 24 x 30 cm
Power 20 kW or 40 kW

Highlights
- High flexibility of the system due to sliding column
- Smooth workflow due to ease of positioning and parking in tight spaces and due to SkyPlate
- Excellent image quality with Unique image processing
- Seamless procedures due to intuitive Eleva user interface
- Optimized dose management through built-in filters
- Detector sharing with compatible Philips X-ray systems
- Fast, gridless workflow, excellent image quality and low dose with SkyFlow

Philips · MobileDiagnost M50

Technology Digital mobile X-ray system with wireless portable detector
Detector Digital wireless flat detector, High-Stability-Scintillator
Detector size 35 x 43 cm
Power 16 kW or 32 kW

Highlights
- Smooth workflow thanks to small size and high flexibility of the system, ease of positioning and use of wireless detector
- Prompt, comfortable bedside exams with exceptional results and a managed X-ray dose
- Excellent image quality with Unique image processing
- Seamless procedures due to intuitive Eleva user interface
- High patient throughput and improved beside care thanks to fast digital image viewing

Philips · MobileDiagnost Opta AR

Technology Analog mobile X-ray system
Power 16 kW or 32 kW

Highlights
- Smooth workflow thanks to the powerful, light-weight X-ray system optimized for high patient throughput
- Ease of positioning thanks to LED light field indicator and second laser
- Excellent image quality with Unique image processing
- Seamless procedures due to intuitive Eleva user interface
- Optimized dose management through built-in filters
- With a digital wireless detector the system can be upgraded to a digital system

PRIMAX International · RAYBOW DR

Power 40 kW
Detector Wireless ultralight generation flat panel
System concept Battery powered, manual or motorized movement

Highlights
- Light weight unit for easier displacement
- Manual or motorized with "dead man" braking system
- Arm rotation around vertical axis
- User friendly touchscreen interface
- Wireless image transmission
- Image export via DICOM CD or USB key
- DICOM 3

MOBILE DR

PROTEC · PROSLIDE 32 SR

Power 32 kW
Detector different panel and scintillator versions
Pixel size e. g. 127 µm

Highlights
- Very compact light-weight unit
- Powerful 32 kW generator for comprehensive application range
- Rotation arm enables outstanding handling flexibility
- Touchscreen operation with fully digital DR configuration

PROTEC · PROSLIDE 32 B

Power 32 kW
Detector different panel and scintillator versions
Pixel size e. g. 127 µm

Highlights
- High-end motorized mobile X-ray system
- Powerful 32 kW generator for comprehensive application range
- Telescopic arm enables perfect positioning even in difficult conditions
- Front sensors to avoid collision
- System autonomy of > 8000 mAs

Samsung · GM85

Power 32 / 40 kW
Detector S4343-W, S4335-W, S3025-W
Pixel Size 140 µm
kV Range 40 – 150 kVp
mAs Range 0.1 – 500 mAs

Highlights
- Compact and light design that makes access anywhere
- Time-saver Battery for all day operation without additional charging
- S-Align that ensures precise alignment for high image quality
- SID Guide that supports detailed device positioning
- S-Detectors with high DQE
- S-Vue imaging engine for diagnostic confidence
- Pediatric Exposure Management and Auto-filter for precise dose control
- Advanced applications: SimGrid (Option), Tube & Line Enhancement

Shimadzu · MobileDaRt Evolution MX7

kV Range 40 – 133 kV
Power 32 kW
Detector CsI
Pixel Size 125 µm

Highlights
- High-sensitive FPD generation
- Imaging area: 17" x 17" (43 x 42 cm)
  17" x 14" (43 x 35 cm)
  14" x 11" (35 x 27 cm)
- Multiple FPD connectivity for maximum efficiency
- X-ray images within two seconds
- Energy saving collimator with a bright irradiation field through LEDs
- Easy and advanced operating functions

Shimadzu · MobileDaRt Evolution MX7 – pediatric version

kV Range 40 – 133 kV
Power 32 kW
Detector CsI
Pixel size 125 µm

Highlights
- High-sensitive wireless FPD type CXDI-801C (CsI, 14" x 11")
- Handling benefit through easy placement, e.g. in standard incubators
- X-ray images within two seconds
- Easy and advanced operating functions
- Energy saving collimator with a bright irradiation filed through LEDs
- Fully DICOM compliant
- WLAN connectivity
- mAs range: 0.32 – 320

Siemens Healthineers · Mobilett Mira Max

Design High-end, fully digital mobile X-ray system
Power 35 kW, 450 mA (max.)
kV Range 40 – 133

Highlights
Your mobile imaging companion
- Flexible to meet your challenges – exceptional arm range and precise movements
- MAX image quality in every situation – low-weight MAX detectors and high imaging power
- Always ready to assist you – unique charging concept and multiple detector swapping options
- Ready-to-go design (works from mains power even when batteries are empty)
- Enables high hygiene standards thanks to fully integrated tube arm cables

Simad · X-Way

System concept	Mobile X-ray unit
Power	4 kW (fixed anode) / 16 or 32 kW (rotating anode)
Motorized	Yes
Image system	Digital (analog configuration available)

Highlights

- Safe movimentation thanks to the unique driving modality with operator ahead
- X-Way can be easily driven both forward and backward
- Wide range of movements to access to every anatomical areas
- Userfriendly interface with anatomical programs
- 10" touchscreen main console
- 7" TFT touchscreen secondary console mounted on the x-ray tube casing to control motorized movement at the bed side
- 35 x 43cm / 25 x 32cm Flat Panel detectors wired or wireless
- Full DICOM connectivity

STEPHANIX · MOVIX 4 / 8 DReam

Power	4 / 8 kW
Design	Foldable and transportable in a dedicated case
kV Range	Up to 125 kVp

Highlights

- Lightweight, less than 100 kg
- Design for in /outdoor operation
- Well-suited for applications at patient bedside, traumatology, paediatrics
- Foldable system easy to store and to transport on field
- Same interface as Stephanix RAD rooms, intuitive with unlimited APR
- Secondary generator control console on monoblock tube head
- Shareable solution

STEPHANIX · MOVIX Series DReam

Power	From 20 to 50 kW
Technology	Batteries powered high frequency generator
kV Range	Up to 150 kVp
mAs Range	Up to 500 mAs

Highlights

- New ultra-compact and light design
- Motorized up to 5 km / h
- Independent from mains, only for batteries loading
- Telescopic column and arm, offering wide range of movements for easy positioning
- X-ray tube with rotating anode, thin dual focal spots and high heat capacity
- Color LCD touch screen 17"
- Same interface as Stephanix RAD rooms, intuitive with unlimited APR
- Shareable solution

MOBILE DR

Swissray · ddRCruze

Power 32 / 40 / 50 kW
Detector a-Si CsI, 35 x 43 cm WiFi, 2.8 kg
Pixel size 148 µm

Highlights
- Easy to maneuver motorized mobile X-ray system with variable speed
- 40 to 150 kV and 0.1 to 500 mAs output power
- Convenient and fast image acquisition from the bedside, the OR, ICU or ER room
- Includes second monitor for quick image review (Option)
- Standard column with second monitor or telscopic
- Built in navigation-camera to overview the way you drive
- Lightweight WIFI portable detector delivers superb IQ and maximum workflow efficiency

Technix · TMB 400 / TMB 400 DR

System concept Battery mobile X-ray unit
Motorized Yes
Power 40 kW
Detector Tethered or wireless FPD, also in pediatric size

Highlights
- Battery-motorized unit for easy maneuvering and bedside positioning
- Freeview technology thanks to telescopic column
- Battery powered X-ray exposures
- Two different versions: analog and digital
- X-ray Housing
- Compact design
- Telescopic arm
- Swiveling column
- Integrated generator
- Anatomical programs
- 19" touch screen user interface
- Full DICOM connectivity+WLAN
- Interfaceable with multiple detectors and imaging software

Technix · TMS 320 / TMS 320 DR

System concept Mobile X-ray unit
Design Compact design, lightweight
Power 32 kW
Image system Available in AR and DR configuration

Highlights
- Light and maneuverable unit with small footprint for easy positioning at the patient's bed
- Available in two versions: digital version "TMS 320 DR" and analog version "TMS 320"
- Upgradable to DR configuration directly on the field
- Multiple detectors and imaging software can be interfaced
- High level of detail of X-ray images
- 19" touchscreen user interface
- Full DICOM connectivity + WLAN

Technix · TMB 320 / TMB 320 DR

System concept Battery mobile X-ray unit
Power 32 kW
Motorized Yes
Detector Tethered or wireless FPD, also in pediatric size

Highlights
- Battery-motorized unit for easy maneuvering and bedside positioning
- Battery powered X-ray exposures
- Two different configurations: analog and digital version
- Compact design
- Telescopic arm
- Swiveling column
- Integrated generator
- Anatomical programs
- 19" touch screen user interface
- Full DICOM connectivity & WLAN
- Interfaceable with multiple detectors and imaging software

Technix · TMS 300 DRH

System concept Mobile X-ray system for home-based radiology
Power 30 kW
Motorized Yes
Image system Analog or digital configuration available

Highlights
- 30 kW power for performing any kind of examination
- Small footprint for easy maneuvering
- Inclines automatically the load on stairs
- Motorized crawler tracks for easy transport on stairs
- Sturdy wheels for moving on long distances or uneven surfaces
- High quality DR images on easy-to-use tablet PC
- Several detectors and imaging software can be interfaced
- Immediate exam review and transmission to the reference hospital

Toshiba · Mobirex

Power 40 kW

Highlights
- Mobile X-ray systems are used around hospitals regularly to perform radiography on patients who cannot easily get to an X-ray room.
- Toshiba is proud to introduce a new generation mobile X-ray system equipped with a wireless portable flat panel detector (FPD).

VILLA SISTEMI MEDICALI · Visitor T30 M-DR

Motorized Yes
Power 32 kW
Detector Wired or wireless FPD, up to 43x43 cm

Highlights
- Motorized DR mobile unit, battery powered
- Exposures are possible without connecting the unit to an external power supply
- ± 320° rotating column with telescopic arm
- Fine positioning adjustment through tube-head controls
- Frontal bumper with anti-collision function
- 19" LCD touch screen user interface
- Full DICOM connectivity

VILLA SISTEMI MEDICALI · Visitor T30 C-DR

Motorized No
Power 32 kW
Detector Wired or wireless FPD, up to 43x43 cm

Highlights
- Compact and lightweight mobile DR unit
- High performance X-ray generator, tubehead with double focal spot (0.8 / 1.3 mm)
- 19" touch screen user interface
- Complete with post-processing tools and DICOM functions

VILLA SISTEMI MEDICALI · Visitor T30 R-DR

Motorized No
Power 32 kW
Detector Wired or wireless FPD, up to 43x43 cm

Highlights
- Mobile DR unit
- ± 90° rotating arm for flexible positioning of the unit
- High performance X-ray generator, tube-head with double focal spot (0.8 / 1.3 mm)
- 19" touch screen user interface
- Complete with post-processing tools and DICOM functions

VILLA SISTEMI MEDICALI · Visitor T40 M-DR

Motorized Yes
Power 40 kW
Detector Wired or wireless FPD, up to 43x43 cm

Highlights
- Motorized DR mobile unit, battery powered
- Exposures are possible without connecting the unit to an external power supply
- Powerful 40 kW generator for high productivity and performance
- ± 320° rotating column with telescopic arm
- Fine positioning adjustment through tube-head controls
- Frontal bumper with anti-collision function
- 19" LCD touch screen user interface
- Full DICOM connectivity

FLATPANEL FLUORO

Wandong · H.F. 30 kW Digital Mobile X-ray Unit – PXD-2000

kV Range 40 ~ 125 kV
mAs Range 1 ~ 320 mAs
Detector 14 x 17"
Power 30 kW

Highlights
PXD series mobile DR system is dedicated designed for clinical applications in the operation room, emergency ward, orthopedics and surgical treatment. Outstanding combination of high frequency technology, Ergonomics and compact structure, 17" Touch-Screen for image acquisition, display and processing. Digital image acquisition with DICOM 3.0 compliance, facilitates transmission to PACS.

Agfa · DR 800 (Fluoroscopy)*

** Not available in the US & Canada*

Highlights
Dynamic 3-in-1 direct radiography system offering real time images for fluorscopy, general radiography and direct exposures.
- Single touch, remote-controlled user-interface and table auto-positioning, improving workflow and maximizing patient comfort
- Wide range of fluoroscopy, general radiography and portable applications, incl. optional full leg/full spine and tomography
- Includes gold-standard MUSICA image processing for dynamic images

FLATPANEL FLUORO

Canon · DelftDI Uromat RF

Design Floor mounted RF system
Detector Canon CXDI CsI RF Flat Panel Detector

Highlights
Universal solution for Urology and Fluoroscopy
- Convenient to work with due to easy ergonomics
- Uncompromised direct digital radiography and fluoroscopy
- Isocentric motorized tilting
- Optimized working position for Urologists and nurses
- High KUB (Kidney Urether Bladder) FOV
- Highly configurable with modular design
- Multi function footswitch and easy to clean

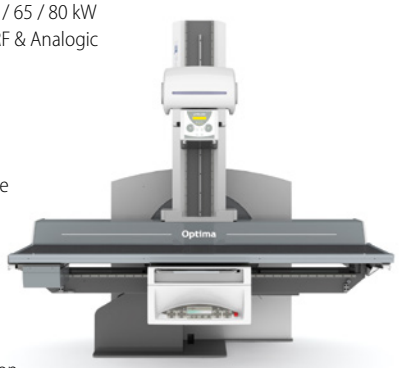
Canon · DelftDI D2RS

Design Remote controlled digital fluoroscopic system
Detector Canon CXDI CsI RF Flat Panel Detector
Table –25 / +90 degrees

Highlights
Unrivalled 3-in-1 solution for radiography and fluoroscopy
- Uncompromised direct digital radiography and fluoroscopy
- Motorized auto-positioning, dose reduction features
- Head-to-toe patient coverage
- "Smart access" table position for easy patient transfer
- Variable table height, variable SID for all clinical examinations (max. 180 cm)
- Customizable pediatric protocols

DMS Imaging · Optima

Design Digital Remote-controlled R / F system fully-motorized
Detector 43 x 43 cm, 148 µm, a-Si / CsI
Power 50 / 65 / 80 kW
Image system DRF & Analogic



Highlights
The Optima is the latest table designed and developed by DMS Imaging. This solution is designed to be effective and adapt to any type of budget.
- SID up to 180 cm
- Fully motorized tube rotation
- Patient coverage 195 cm with 2 ways and >270 cm with 4-way table top
- +90° / –30° motorized tilting table, this table performs all types of R/F examinations
- Innovative tilt / shift movement allowing 79 cm fixed height

DMS Imaging · Platinum dRF

Design Digital Remote controlled fully motorized
Detector 43 x 43 cm, 148 µm, a-Si / CsI
Power 50 / 65 / 80 / 100 kW
Resolution 2,880 x 2,880 pixels, 3.4 lp / mm

Highlights
- True full access all around the table top for easy patient transfer
- 48 cm lowest table height for optimal patient loading
- Excellent image quality with lowest possible dose (SID 180 cm)
- All movements are motorized and independent for maximum configuration versatility
- Innovative control system based on PC server technology
- Innovative workflow options
- Available DRF & Analogic

GMM · OPERA Swing – Multifunctional system with DFPD

Detector Amorphous silicon
Pixel size 148 µm
Size 43 x 43 cm

Highlights
- Highly integrated system for enhanced examinations in digital RAD and Fluoro procedures
- Extraordinary user-friendliness and operational efficiency in any application: E.R., digital angiography, Tomosynthesis, column-lower limbs Stitching, ect.
- Easy execution of lateral projections and oblique incidences also on stretchers
- Exams on tabletop or in direct contact with the detector

GMM · OPERA T90 Sharp – Remote-controlled system with DFPD

Detector Amorphous silicon
Pixel size 148 µm
Size 43 x 43 cm

Highlights
- Wide series of R / F remote-controlled tables with digital flat panel detector
- User-friendliness and enhanced examinations in E.R., trauma, thorax and lungs, skeleton, gastroenterology, urology, digital angiography, etc.
- Reduced distance of the elevating table-top from the floor
- Intelligent user interface integrating all the controls in a unique advanced touch screen

Mecall · EIDOS RF 439 – 90 / 90 Remote-controlled table

Detector Amorphous silicon
Resolution 148 µm
Size 43 x 43 cm; 35 x 43 cm WiFi; 24 x 30 cm WiFi

Highlights
- 90 / 90 RF system with 43 x 43 cm flat panel detector and exclusive auto-focusing device
- Single end suspended carbon-fibre patient tabletop for total accessibility from any side
- Elevating tabletop with 50 cm minimum distance from the floor
- Full-length patient examination in both vertical and horizontal position
- Full integration with optional ceiling suspension and Wi-Fi detector

PRIMAX International · NIKAÏA DRF

Detector 43 x 43 cm a-Si dynamic flat panel
Power Up to 80 kW
Design + 90° / – 90° Digital remote controlled tilting table

Highlights
- 2 in 1 system digital radiology and fluoroscopy
- Patient accessibility from 4 sides
- Carbon fibre tabletop
- Full patient coverage without table longitudinal movement
- Extractable Auto focus grid (patented)
- Automatic stitching function for spine and lower limbs in real time

Shimadzu · Sonialvision G4

Power 80 kW / 65 kW
Detector Dynamic flat panel detector (CsI), 17" x 17" (43 x 43 cm), 3.6 Lp / mm
Pixel size 139 µm

Highlights
- Premium R / F system with dynamic flat panel detector
- 2nd tube option for multi purpose room solution
- Bariatric functionality
- SUREengine-Advance: real-time image enhancement processing technology
- Tomosynthesis and T-smart
- Slot radiography
- Angiography option (real-time and motion-tolerant RSM-DSA)
- Comprehensive dose management package

Shimadzu · Flexavision F3

Power 50 / 80 kW
Detector Dynamic flat panel detector (a-Si), 14" x 17" (35 x 43 cm)
Pixel size 160 µm

Highlights
- Portable dynamic FPD for various studies from head to toe
- Outstanding digital image quality
- Great flexibility through smart modular technology
- Intensive patient care

Siemens Healthineers · Luminos dRF Max

Design Remote-controlled R / F system
Detector a-Si / CsI
Size MAX dynamic detector 43 x 43 cm, MAX wi-D 43 x 35 cm, MAX mini 30 x 24 cm

Highlights
Taking 2-in-1 to the MAX in radiography and fluoroscopy
The first 2-in-1 system for:
- Safer use – with a 48 cm minimum table height, full patient access from all sides and SmartTouch touch-sensitive joysticks
- Sharper imaging – MAX image quality with a large 43 x 43 cm MAX dynamic detector
- Stronger synergies – with MAXswap and 2-in-1 efficiency in radiography and fluoroscopy
- The MAX effect: Combine with other MAX systems for additional benefits in standardization, savings and satisfaction

Siemens Healthineers · Luminos Agile Max

Design Patient-side controlled R / F system
Detector a-Si / CsI
Size MAX dynamic detector 43 x 43 cm, MAX wi-D 43 x 35 cm, MAX mini 30 x 24 cm

Highlights
A more RADical way in fluoroscopy.
The first patient-side system to offer:
- Safer use with a height-adjustable table
- Sharper imaging with a large MAX dynamic flat detector
- Stronger synergies with MAX dual use in R/F
- The MAX effect: Combine with other MAX systems for additional benefits in standardization, savings and satisfaction

Ysio Max options:
- Fully integrated ceiling-suspended tube with bucky tracking
- MAX wi-D and MAX mini detectors with MAXswap
- SmartOrtho: long leg and full spine imaging

International headquarter in Oberhausen, North Rhine-Westphalia, Germany

Digital X-ray imaging
for mobile medical applications

medical ECONET is one of Europeans leading supplier of Imaging and Digital Radiography solutions with know-how of 20 years' experience. Our unique range of products with highest quality standards in combination with our professional services, enables us to offer the adequate solution for our clients' needs and demands all over the world.

With a specific focus on mobility and flexibility, medical ECONET provides radiography systems to medical specialists (e.g. orthopedists, surgeons, pulmonologists) in diverse medical fields of application, like hospitals, emergency medicine (e.g. ambulance), mobile home care services, field clinics in conflict areas (e.g. aid agencies), maritime industry (e.g. cruise liners, oil rigs, research ships, larger yachts) as well as in the military field.


POX-100BT

Worldwide unique hybrid-powered technology

To enable the optimal requirements for flexible and mobile applications, medical ECONET supplies radiography solutions which are equipped with a worldwide unique hybrid-powered technology. This smart technology allows to operate our meX+ portable X-ray generators by the integrated battery or by external power supply, while charging the battery. These durable Lithium-ion batteries are able to produce over 500 exposures with only one full charge and generate clean diagnostic images by high frequency technology. A new Bluetooth connection module makes it possible to control the generator directly by the image acquisition software and adjust automatically the pre-stored values for kV and mAs. Equipped with advanced LED collimators, the meX+ portable X-ray units guarantee brightest illumination of the exposure field in combination with a power saving and heat prevention function. Controlling the generator's settings remotely by the the hand switch is a further advantage and ensures a user-friendly handling.

A registration with CE0123 MDD (Medical Device Directive) allows to use our generators in every medical application field all over the world. A powerful range of 1.6 up to 5 kW enables to choose the ideal solution for every application and exposure different parts of the human body without limitations. The optimal mobility will be reached in combination with the matching height-adjustable mobile stands and guarantees for smooth and comfortable workflow.

Cable-free and independent

One further special unit is the mobile X-ray system POX-100BT. It is an ideological designed foldable device, which allows the user to work completely without any cables and without dependence to electricity due to its integrated high-performance battery. With one full charge it is possible to make up to 1000 images, which allows a complete unrestricted workflow in many different scenarios without any external power source. The POX-100BT is fast installable and smooth to move due to the big dirigible wheels. The power output of 5 kW enable examinations of all human body parts without limitations.

DR solutions for all applications

An ideal complement for a modern way of X-ray is our wireless Digital Radiography (DR) detector range. With three different image sizes (10 x 12, 14 x 17, 17 x 17 inch) medical ECONET can provide beneficial solutions for all mobile and stationary applications. Due to the wireless file transfer and the Automatic Exposure Detection (AED) of the detectors, the user is able to work in a most comfortable way without any disturbing cables.

www.medical-econet.com


meX+ portable X-ray solution

FLATPANEL FLUORO

Siemens Healthineers · Luminos Fusion

Design Remote-controlled R/F system
Detector a-Si/CsI
Size 43 x 43 cm

Highlights
The 2-in-1 system that fits your needs and fits your budget
- MAX image quality in R/F (FD version only)
- Technology from high-end MAX systems
- Easy access for fast and easy patient positioning
- Touch-sensitive joysticks
- Outstanding dose reduction with CARE
- Wide range of options and applications
- 2-in-1 efficiency: flexibility and high utilization saves space and costs

Siemens Healthineers · Multitom Rax

Design Ceiling-mounted robotic tube **and** detector
Detector a-Si/CsI
Size RAX detector 43 x 43 cm, MAX wi-D 43 x 35 cm, MAX mini 30 x 24 cm

Highlights
The world's first Twin Robotic X-ray scanner enables streamlined clinical pathways while improving diagnostic insights and treatment.
- Offers a multitude of X-rays – in just one room
- Lets you see reality with natural Real 3D – for the first time
- Let the robots move – not your patients
- Defines standards easily – and multiplies your productivity
- Is future-proof – with Twin Robotic X-ray

STEPHANIX · D²RS

Technology Dynamic flat panel detector
System concept High-end remote controlled table
Design Compact, lightweight and robust
Motorized Automatic positioning, collimation, filtration, parameters

Highlights
- Unmatched patient coverage
- Patient weight up to 310 kg
- Autopositioning regarding each protocol
- Smart access for secure patient transfer
- Dose optimization with virtual collimation, additional filtration, video camera…
- Intuitive user interface
- Wireless remote
- Secondary console
- DSA
- Stitching
- Tomosynthesis
- Second tubestand and additional detectors

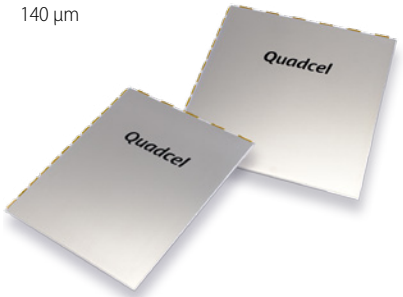
STEPHANIX · Evidence DReam

System concept 3-in-1 cost-effective remote controlled table
Technology Indirect conversion Flat Panel Detectors
Detector Fixed and wireless solutions

Highlights
- Head-to-toe exploration
- Smart 8 ways tabletop travel for easy patient displacement
- Column angulation ±40° on the whole table's length
- Tomography
- Fixed or variable height
- Radiation-free for patient positioning with video camera
- Stitching
- Second tubestand and additional detectors

Toshiba Electron Tubes & Devices · FM3543S-D6T/FM4343S-D6T

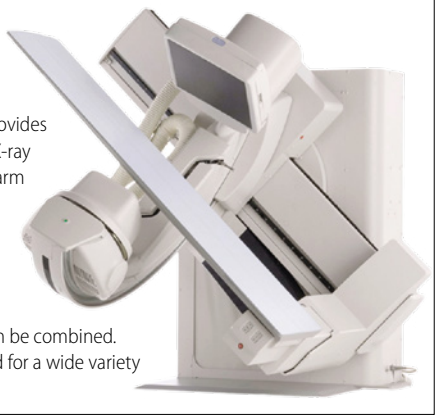
System concept TFT Panel with CsI & IC
Detector CsI/Tl, 35 x 43cm, 43 x 43cm
Pixel size 140 µm



Highlights
- FPD Module(TFT Panel with CsI & IC)
- Incorporates Toshiba's proven advanced fine CsI/Tl and direct deposition technologies
- Unique moisture-proof sealing method used for the CsI/Tl screen
- World Leading Image Quality
- Fast solution for high performance in cassette-sized FPD
- Distinguished Unique FPD
- Extraordinary Performance
- Minimum cost and shortest time

Toshiba · Ultimax-i

Power 80 kW
Detector 3 k x 3 k high resolution 43 x 43 cm flat panel detector
Pixel size 148 µm



Highlights
- The Ultimax-i system provides a multipurpose digital X-ray system with a tilting C-arm table for multipurpose diagnostic applications and interventional radiology.
- An additional ceiling mounted X-ray tube can be combined. This system can be used for a wide variety of clinical applications.

FLATPANEL FLUORO

Toshiba · Xantara

Pixel size 148 µm
Detector 3 k x 3 k high resolution 43 x 43 cm flat panel detector

Highlights
- The Xantara system was designed to provide maximum flexibility for all types of exam rooms and for all types of exams.
- From the clean, sleek lines of the design, to the simplified all-in-one control console, to the mechanical ergonomics and elegance, the Xantara is the remote controlled table solution like you've never seen before.
- Source-to-Imager Distance 180 cm.
- Four-way movement of tabletop.
- Optional second X-ray tube, vertical Bucky stand and wireless FPD.

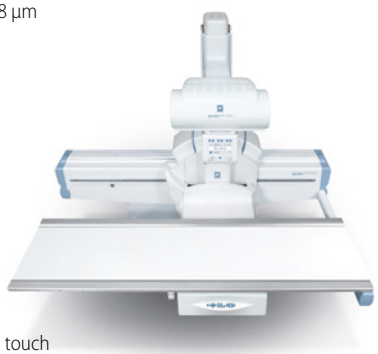
Toshiba · Zexira / FPD

Power 80 kW
Detector 3 k x 3 k high resolution 43 x 43 cm flat panel detector
Pixel size 148 µm

Highlights
- General radiography abdominal / skeletal).
- Non-vascular contrast-enhanced studies of the spine, intervertebral disks, joint cavities, biliary tract, nerve block procedures, etc.
- Non-vascular IVR (ERCP, PTC, biopsy, ileus tube, etc.).
- Angiography (abdomen, shoulders, upper / slower trunk and cervical spine, etc.).
- Vascular IVR (simple angioplasty, maintaining the dialysis paths, etc.).

VILLA SISTEMI MEDICALI · Apollo Open DRF 4.0

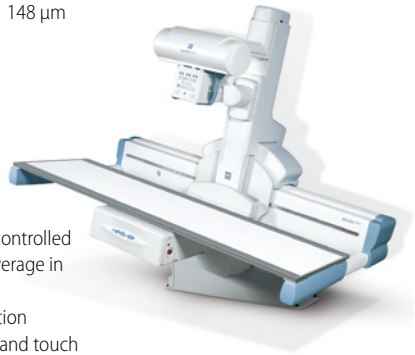
Power 65 – 80 kW
Detector Dynamic flat panel detector, 43 x 43 cm
Pixel size 148 µm



Highlights
- Premium digital remote controlled system with OPEN tabletop, allowing 4-side access to the patient
- New tomosynthesis function
- New borderless tabletop and touch screen collimator
- New touch screen control console with integrated intercom system and smart-touch joysticks
- Simplified patient positioning system through integrated camera
- Available with DSA and stitching options

VILLA SISTEMI MEDICALI · Apollo DRF 4.0

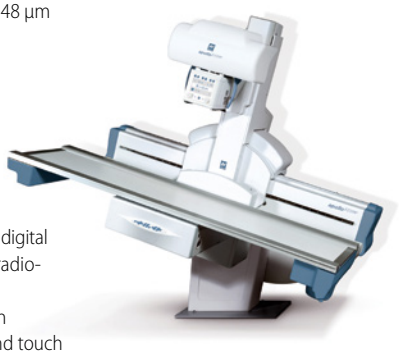
Power 65 – 80 kW
Detector Dynamic flat panel detector, 43 x 43 cm
Pixel size 148 µm



Highlights
- Premium digital remote controlled system for full clinical coverage in R/F applications
- New tomosynthesis function
- New borderless tabletop and touch screen collimator
- New touch screen control console with integrated intercom system and smart-touch joysticks
- Simplified patient positioning system through integrated camera
- Availablable with DSA and stitching options

VILLA SISTEMI MEDICALI · Apollo EZ DRF 4.0

Power 65 – 80 kW
Detector Dynamic flat panel detector, 43 x 43 cm
Pixel size 148 µm



Highlights
- Compact and cost-effective digital system for all the needs of radio-graphic and R / F imaging
- New tomosynthesis function
- New borderless tabletop and touch screen collimator
- New touch screen control console with integrated intercom system and smart-touch joysticks
- Simplified patient positioning system through integrated camera
- Available with DSA and stitching options

Wandong · DRF Series

System concept 80 kW Dynamic FPD digital radiography and fluoroscopy system
Detector 43 x 43 cm / 40 x 30 cm FPD
Pixel size 194 um

Highlights
- Advanced FPD detector
- Latest technology 80kW / 200kHz generator
- Large size detector brings larger Field of View
- High Definition image acquisition without distortion
- High acquisition rate
- Variable SID
- Outstanding user experience
- Powerful InvaRay digital imaging platform providing centralized system control and image acquisition and processing

Xingaoyi (XGY) · Gemini-DRF-4343

mAs Range Photography electric current: 10 ~ 800 mA
Fluoroscopy electric current: 0.5 ~ 6 mA

Image system Photography voltage: 40 ~ 150 kV
Fluoroscopy voltage: 40 ~ 125 kV

Pixel size 148 x 148 µm

Highlights

- XGY-Gemini-DRF-4343 goes beyond the separation between radiography and fluoroscopy
- The large 43 x 43cm active area and the image resolution more than 3.5 lp / mm
- One room, one detector and one imaging platform an extensive range of applications that typically require multiple devices when based on legacy equipment
- Operation System: Microsoft Windows XP / Dual-core processor Memory ≥ 2GB / Monitor: 1,024 x 768 pixel

ACCESSORIES / COMPLEMENTARY SYSTEMS

DMS Imaging · BIOMOD 3S

Technology 3D modelization and analysis of the spine, Automatic calculation of 2D parameters

Highlights

- BIOMOD 3S combines two optical acquisitions of the spine with a classic stitching exam. This simultaneous combination allows generating a 3D model of the vertebral column (stereo-radiographic acquisition)
- For the study and the diagnosis of the spine (Scoliosis)
- No additional radiation dose

DMS Imaging · Stratos

Technology Digital fast beam, the fastest on the market

Highlights

- The complete solution for an optimal fracture risk diagnosis in routine
- Full options including peadiatric and orthopedic software
- Exams can be performed in only 60 seconds per site
- Powerful easy-to-use software
- Compatible with 3D-DXA technolgy that allows cortical thickness analysis and volumic BMD
- Body composition application for weight management, tracking fat and lean tissue

DMS Imaging · Stratos DR

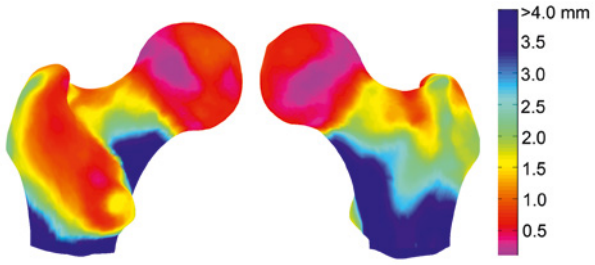
Technology 2D-Fan Beam
Detector 256 elements, highest image resolution

Highlights

- Complete solution for an optimal fracture risk diagnosis
- Full options including peadiatric and orthopedic software
- Exams can be performed in only 30 seconds in routine mode
- Powerful easy-to-use software
- Compatible with 3D-DXA technolgy that allows cortical thickness analysis and volumic BMD
- Body composition application for weight management, tracking fat and lean tissue

DMS Imaging · 3D DXA

Technology Breakthourgh Technology to complete fracture risk assessment



Highlights

3D-DXA is a 3D modelization of the hip performed with DMS DXA systems. Detailing information such as:

- Color mapping of cortical thickness
- Mean cortical thickness on relevant regions
- vBMD (volumic BMD) trabecular, cortical and global (total femur, femoral neck, intertrochanteric, greater trochanter)
- Femoral Neck Axis Length in 3D
- Femoral Neck Shaft Angle in 3D

Dunlee · Smit Röntgen Grids

Highlights

- Standard grids, mammography grids and grids designed for special applications
- Low absorption because of the fiber interspacer
- Higher SNR with detectors in digital applications and a significant dose advantage over aluminum interspaced grids
- Any focal distance between 70 cm and 300 cm – Less weight than aluminum interspaced grids, up to 1 / 3

ACCESSORIES / COMPLEMENTARY SYSTEMS

Dunlee · Radiographic Tubes

Highlights
- Tubes for RAD, CV and RF
- Tubes from Dunlee offer optimal performance, high-heat dissipation capabilities, and unique ball-bearing construction. Most new tube units include a trunnion ring assembly.

Hitachi · Aloka AOS-100E EggQus

Size 32 x 38 x 18 cm (W x D x H) / weight ~4 kg
Measurement item (SOS) Speed of Sound
Power Battery / AC adaptor

Highlights
- Designed for maximum portability
- Compact and handy compared to conventional quantitative ultrasound systems
- The large integral handle facilitates in-hospital rounds and house visits
- Powered by rechargeable batteries, AC-adaptor available for long continuous measurement
- Measurement using Speed of Sound
- Approx. three Seconds Measurement Time (measurement performed on a PC)

Hitachi · Aloka AOS-100SA

Size 32 x 53 x 27cm (W x D x H) / weight ~ 14 kg
Measurement item OSI (Osteo Sono Assessment Index), BUA (Broadband Ultrasound Attenuation), TI (Transmission Index), SOS (Speed of Sound)
Power AC

Highlights
- Reliability under all circumstances – from routine checkup to screening of the elderly and children
- Color touch panel LCD, printer for direct measurement output, data memory, all included in single unit
- OSI (Osteo Sono Assessment Index) works as a comprehensive index reflecting Speed of Sound and wave band
- Short measurement time (~ 2 seconds) for rapid handling of elderly and other patients

Hologic · Horizon DEXA (fan beam) Bone Densitometer

Highlights
The Horizon bone densitometer platform for osteoporosis, cardiovascular disease, and obesity assessment is designed for fast and precise exams.
- Less than 15 sec for Hip and Spine BMD, 20 sec for Vertebral Fractures Assessment, 3 min Whole Body and 20 sec atypical femur detection
- High resolution imaging with ceramic detectors
- A Dynamic Calibration for greater long-term measurement stability

I.A.E. · C31-RTM 72

Size 0.6 / 1.2
Power 30 kW / 75 kW
Capacity 300 kHU (Anode heat capacity)
500 W (Anode heat dissipation)

Highlights
- Rotating anode X-ray tube unit for mobile x-ray equipment with film and digital detectors
- Lead lined aluminium body
- H.T. cable sockets: type MINI75 4 pin
- Storage and shipment temperature range –10°C / +80° C
- Optional mounting plate for tilting brackets

I.A.E. · RTC 600

Highlights
- Rotating anode graphite XRay tube, specifically designed for remote controlled table and digital systems
- Enhanced anode heat dissipation, provided by high emittance coating and target design
- Severe tests during conditioning assure reliable performances
- High anode heat storage for repeated loading
- Ground glass window for consistent HVL
- Variety of housings allows flexible systems configurations

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ACCESSORIES / COMPLEMENTARY SYSTEMS

Konica Minolta · AeroDR Auto-Stitching System

Detector AeroDR 14" x 17"

Highlights
- Unique and easy to use
- Can be used with any X-ray system
- AeroDR CsI FPD 14" x 17"
- Effective image size after stitching: up to 35 x 120 cm
- No markers required

Roesys · X Mobil / X Mobil Q

Motorized 62 – 102 cm

Highlights
- Mobile patient table with single side suspended, floating carbon tabletop and electromagnetic lock. Motorized height adjustment for optimal patient positioning
- Also available with a fix table height
- Floating tabletop for optimum access to patient and large radiolucent exposure area
- High mobility of the table due to swivel castors and a rechargeable battery for height adjustment

Toshiba Electron Tubes & Devices · XRR-4631G

Size 1.2 / 0.6 (Focal Spot)
Power 100 kW / 40 kW (Max Rating)
Capacity 400 kHU (Anode heat capacity)
1,200 W (Anode heat dissipation)

Highlights
- 4 inch ROTANODE X-ray tube assembly for RF systems
- 20 % smaller housing than previous model
- Can be used as a replacement part for similar models
- High power input: 100 kW / 40 kW (0.1 s)
- High cooling rate provided by housing

Toshiba Electron Tubes & Devices · XRR-3331 X

Size 1.2 / 0.6 (Focal Spot)
Power 78 kW / 32 kW (Input Power)
Capacity 300 kHU (Anode heat capacity)
870 W (Anode heat dissipation)

Highlights
- 3 inch ROTANODE X-ray tube assembly for RF systems
- High power input: 78 kW / 32 kW (0.1 s)
- Advanced simulation technologies are used in development and manufacture to produce tubes with excellent performance and reliability and a long tube life.

Toshiba Electron Tubes & Devices · XRR-3332 X

Size 1.2 / 0.6
Power 46 kW / 20 kW
Capacity 300 kHU (Anode heat capacity)
870 W (Anode heat dissipation)

Highlights
- 3 inch ROTANODE X-ray tube assembly for Mobile systems
- 20 % smaller size / 22 % lighter weight housing than previous model
- High power input: 46 kW/20 kW (0.1 s)
- XRR-3332X is useful for designing smaller and excellent mobile system.
- Adotp large capacity anode target to support multipurpose diagnostic application.

Toshiba · OrthoMod3D

Image system Optical orthopedic image acquisition & fusion

Highlights
- One platform, one software application.
- 3D reconstruction & spine analysis in weight-bearing position.
- Based on optical & X-ray data fusion.
- Innovating and unique combination of the spine with the back surface.

Molecular Imaging

SPECT

SPECT-CT

PET-CT

PET-MR

Accessories /
Complementary Systems

GE Healthcare

DOTmed®

PHILIPS

SIEMENS
Healthineers

SPECT

GE Healthcare · Brivo NM 615

System sensitivity	270 cpm / µCi
Energy resolution (NEMA)	9.8 %
Field of View	540 x 400 mm

Highlights

- Excellent image quality based on advanced Elite NXT detectors
- Exceptional productivity enabled through evolution ½ time planar and SPECT scans options
- Fast and flexible robotic gantry motions for exceptional clinical versatility
- Investment protection enabled through upgradeability path to Discovery NM 630 and even to SPECT / CT: Optima NM / CT 640 or Discovery NM / CT 670

GE Healthcare · Discovery NM 530c

System sensitivity	1,300 cpm / µCi
Energy resolution (NEMA)	6.2 %
Field of View	–

Highlights

Alcyone Technology:

- Solid State CZT Detectors
- Pin hole focused collimation
- Stationary acquisition
- 3D reconstruction
- Higher sensitivity; Flexibility to manage dose more efficiently
- Scans as fast as 3 minutes

GE Healthcare · Discovery NM 630

System sensitivity	270 cpm / µCi
Energy resolution (NEMA)	9.8 %
Field of View	540 x 400 mm

Highlights

Premium, all-purpose, dual detector free geometry integrated nuclear imaging system, featuring:

- Excellent image quality based on advanced Elite NXT detectors
- Slim-profile, wide-bore, fast and fl exible robotic gantry design for exceptional clinical versatility
- Upgradeability path to SPECT / CT: Optima NM / CT 640 or Discovery NM / CT 670 (subject to appropriate site preparation)

GE Healthcare · Discovery NM 750b

System sensitivity	–
Energy resolution (NEMA)	6.5 %
Field of View	160 x 240 mm

Highlights

CZT based gamma camera dedicated to imaging of breast cancer as adjunct to mammography

- High-resolution, direct conversion, solid-state CZT semiconductor detectors
- For dense breast, MBI technology outperformed mammography in early detection and in finding more cancers
- Tracers with indication for breast cancer diagnosis
- Powered by Xeleris 3 advanced tools and optional packages

Philips · BrightView X

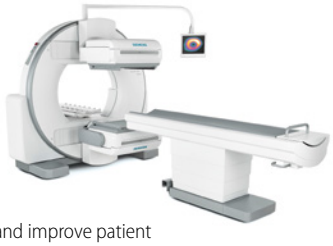
Resolution	3.3 mm, FWHM intrinsic
Sensitivity	2.77 cpm / µm Ci (LEGP)
Field of View	40.6 x 54 cm

Highlights

- Fully featured variable-angle camera that is field-upgradeable to BrightView XCT without any increase in room size or power requirements
- Fast and easy to use with exceptional image quality

Siemens Healthineers · Symbia Evo Excel*

System sensitivity 202 cpm / µCi (LEHR 3 / 8" at 10 cm)
Intrinsic spatial resolution ≤ 3.8 mm FWHM in CFOV
Field of View 533 x 387 mm



Highlights
- Smallest** room size in its class, reducing costs associated with room remodeling and expansion
- Ability to image every patient*** and improve patient comfort with a larger bore; a high-capacity, low-height patient bed; and hospital bed imaging capabilities
- Industry-leading** image quality delivers accurate and reproducible clinical information to support physicians' diagnostic confidence

** Symbia Evo Excel is not commercially available in all countries. Due to regulatory reasons, their future availability cannot be guaranteed. Please contact your local Siemens Healthineers organization for further details.*
*** Based on competitive literature available at time of publication. Data on file. *** Patients up to 227 kg.*

Siemens Healthineers · Symbia Evo*

System sensitivity 202 cpm/µCi (LEHR 3 / 8" at 10 cm)
Intrinsic spatial resolution ≤ 3.8 mm FWHM in CFOV
Field of View 533 x 387 mm

Highlights
- Save up to 50 %** more time and potentially double patient throughput with automated quality control and collimator exchange, as well as ultra-fast cardiac imaging
- Image every patient*** and improve patient comfort with a larger bore; a high-capacity, low-height patient bed; and hospital bed imaging capabilities
- Industry-leading** image quality delivers accurate and reproducible clinical information to support physicians' diagnostic confidence

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*** Based on competitive literature available at time of publication. Data on file. *** Patients up to 227 kg.*

Siemens Healthineers · Symbia S

System sensitivity 202 cpm / µCi (LEHR 3 / 8" at 10 cm)
Intrinsic spatial resolution ≤ 3.8 mm FWHM in CFOV
Field of View 533 x 387 mm

Highlights
- Siemens Healthineers AUTOFORM, a unique collimator design that allows for up to 26 %* higher sensitivity
- IQ•SPECT ultra-fast cardiac solution provides a complete cardiac work-up in only 5 minutes
- Automated Quality Control saves time and reduces radiation exposure
- Automated Collimator Changer increases workflow efficiency

** Based on competitive literature available at time of publication. Data on file.*

SPECT-CT

GE Healthcare · Discovery NM / CT 670 ES

System sensitivity 270 cpm / µCi
Energy resolution (NEMA) 9.8 %
Field of View 540 x 400 mm

Highlights
All great capabilities of Discovery NM 680 plus:
- Full diagnostic Optima 540 8 slice CT for localization and diagnostic CT studies
- Designed to enable 16 min Whole body + Hybrid SPECT / CT scan
- CT Dose management with ASiR
- IQE3 enables more coverage w/ fewer artifacts
- CT Calcium Scoring and Angio functionality
- Expanded NM dose management Evolution Toolkit
- SUV Quantification for every radionuclide

GE Healthcare · Optima NM / CT 640

System sensitivity 270 cpm / µCi
Energy resolution (NEMA) 9.8 %
Field of View 540 x 400 mm

Highlights
All great capabilities of Discovery NM 630 plus:
- SPECT / CT low-dose imaging without compromise
- Low total cost of ownership, with a technology continuum for upgradability
- Acquisition speed that drives efficiency
- Designed to enable 16 min Whole body & Hybrid SPECT / CT scan
- Simplified hybrid scan setup

Philips · BrightView XCT

Resolution 3.3 mm, FWHM intrinsic
Sensitivity 2.77 cpm / µm Ci (LEGP)
Field of View 40.6 x 54 cm

Highlights
- Flat panel CT allows acquisition of the entire heart volume in just one rotation to aid in cardiac studies
- Concurrent imaging allows for shorter exams and smarter assessments.
- Full Iterative Technology (FIT) now available on the BrightView XCT uses advanced algorithms for the truest picture possible

SPECT-CT

Siemens Healthineers · Symbia Intevo Excel*

System sensitivity	202 cpm / µCi (LEHR 3 / 8" at 10 cm)
Intrinsic spatial resolution	≤ 3.8 mm FWHM in CFOV
Field of View	533 x 387 mm

Highlights
- SPECT with integrated CT for attenuation correction and anatomical localization
- Flash 3D enables up to 45 % higher reconstructed resolution** than conventional SPECT 3D iterative reconstruction
- Largest CT field-of-view** enables physicians to more accurately localize lesions
- IQ•SPECT enables up to 80 % lower injected dose** or shorter imaging time, increasing patient comfort and satisfaction

** Symbia Intevo Excel is not commercially available in all countries. Due to regulatory reasons, its future availability cannot be guaranteed. Please contact your local Siemens Healthineers organization for further details.*
*** Based on competitive literature available at time of publication. Data on file.*

Siemens Healthineers · Symbia Intevo*

System sensitivity	202 cpm / µCi (LEHR 3 / 8" at 10 cm)
Intrinsic spatial resolution	≤ 3.8 mm FWHM in CFOV
Field of View	533 x 387 mm

Highlights
- Higher image resolution enables physicians to distinguish between degenerative disease and cancer
- The first and only system offering accurate and reproducible SPECT quantification
- Up to 68 % lower CT dose** with CARE Dose4D and up to 80 % lower injected dose** with IQ•SPECT to reduce patient radiation risk
- Productivity tools and IQ•SPECT save time and can double patient throughput

** Symbia Intevo is not commercially available in all countries. Due to regulatory reasons, their future availability cannot be guaranteed. Please contact your local Siemens Healthineers organization for further details.*
*** Based on competitive literature available at time of publication. Data on file.*

Siemens Healthineers · Symbia T Series

System sensitivity	202 cpm / µCi (LEHR 3 / 8" at 10 cm)
Intrinsic spatial resolution	≤ 3.8 mm FWHM in CFOV
Field of View	533 x 387 mm

Highlights
- SPECT / CT with integrated diagnostic stand-alone CT
- IQ•SPECT ultra-fast cardiac solution provides a complete cardiac work-up in only 5 minutes
- Reduce exposure and improve workflow with Automated Quality Control and Automated Collimator Exchange
- Offers 2-, 6- or 16-slice spiral CT

PET-CT

GE Healthcare · Discovery NM / CT 670 Pro

System sensitivity	270 cpm / µCi
Energy resolution (NEMA)	9.8 %
Field of View	540 x 400 mm

Highlights
All great capabilities of Discovery NM 680 plus:
- Full diagnostic Optima 540 16 slice CT for localization and diagnostic CT studies
- Designed to enable 16 min Whole body & Hybrid SPECT / CT scan
- CT Dose management with ASiR
- IQE3 enables more coverage w/ fewer artifacts
- CT Calcium Scoring and Angio functionality
- Expanded NM dose management Evolution Toolkit
- SUV Quantification for every radionuclide

GE Healthcare · Discovery PET / CT 710

System sensitivity	7.5 cps / kBq
Energy resolution (NEMA)	2 mm (w.SharpIR)
Field of View	70 cm

Highlights
Leading edge technology for advanced applications and demanding academicpractices
- Designed for short-lived tracers – high count rate capability
- Treatment assessment and quantitative consistency with Q.Suite
- VUE Point HD – 3D iterative reconstruction with Time of flight capability
- Optimized for complex research protocols
- CT flexibility
- LBS detector design

GE Healthcare · Discovery IQ PET/CT

System sensitivity 22 cps / kBq (5 rings)
Energy resolution (NEMA) 2 mm (w.SharpIR)
Field of View 70 cm

Highlights
New LightBurst PET detector and New Image Reconstruction Technologies
- Up to five detector rings – 26 cm axial PET coverage
- Up to 22 cps/kBq NEMA sensitivity
- VUE Point HD – 3 D iterative reconstruction with Time of flight capability
- On-site upgrade capability
- Modern Optima 540 CT with 16 slices
- Q.Clear – Full convergence PET reconstruction

GE Healthcare · Discovery IQ

Highlights
PET/CT throughput is limited by acquisition time (>25 mn) or access to FDG dose delivery. Discovery IQ is changing the game by providing access to faster scans (down to 5mn) and lower doses (down to ¼), allowing to increase patient throughput by 60 % (Toulouse experience) while achieving clinical excellence.

GE Healthcare · Discovery MI

Highlights
FDG PET/CT increases efficiency of lung cancer management by 20 %, by characterizing malignant nodules from benign lesions. Today, lung nodules < 8 mm on CT are followed-up after 6 months on CT because conventional pet/ct cannot image them. If new generation PET/CTs can detect and stage nodules < 6 – 8mm, patients can be referred to PET/CT immediately and six months can be saved in treatment decision.

Philips · GEMINI TF PET/CT

Peak NECR 110 kcps
Spatial Resolution 4.3 mm
CT Configuration 16-slice or 64-channel

Highlights
- Philips proprietary Astonish TF time-of-flight technology
- Fast scans (10 min) with low dose
- Premium Brilliance CT image quality and applications
- 190 cm PET / CT scan length
- Exclusive open-view gantry design

Philips · Ingenuity TF PET/CT

Peak NECR 110 kcps
Spatial Resolution 4.3 mm
CT Configuration 64- or 128-sclice

Highlights
- Astonish TF allows fast TOF scans, low dose, and excellent image quality
- Increase diagnostic confidence with up to 30 % improved contrast and reconstruction as fast as 30 seconds per bed
- Manage both PET and CT dose better

PET-CT

Philips · Vereos DIGITAL PET/CT

Peak NECR	650 kcps
Spatial Resolution	4.0 mm
CT Configuration	64- or 128-slice

Highlights
- The world's only fully digital PET / CT
- 1:1 coupling of more than 23,000 individual crystals
- Two times better quantitative accuracy, volumetric resolution and sensitivity gain compared to analog systems

Siemens Healthineers · Biograph mCT

Gantry Opening	78 cm
Volumetric Resolution	95 mm³
Field of View	Up to 221 mm (axial)

Highlights
- Molecular CT – quantification redefined
- Increased confidence in quantitative results with automatic daily quality control with normalization
- Superb visualization, particularly of small tumors with industry-leading volumetric resolution* of 95 mm³
- Whole-body PET scans in only 5 minutes or with 5 mCi injected dose**
- Increase revenue with a 78 cm bore for radiation therapy planning

** Based on volumetric resolution available in competitive literature for systems greater than 70 cm bore size. Data on file. ** With TrueV.*

Siemens Healthineers · Biograph mCT Flow *

Gantry Opening	78 cm
Volumetric Resolution	95 mm³
Field of View	Up to 221mm (axial)

Highlights
- Only PET / CT where planning and scanning are based on a single continuous table motion
- Finest detail in every organ with industry's highest resolution** of 95 mm³
- Up to 25 % less scan time per patient with single scan protocol using motion management
- Whole-body PET scan in 5 minutes***
- Accurate and reproducible quantification in all dimensions enables a more confident interpretation

** Biograph mCT Flow is not commercially available in all countries. Due to regulatory reasons, its future availability cannot be guaranteed. Please contact your local Siemens Healthineers organization for further details.*

*** Based on volumetric resolution available in competitive literature for systems greater than 70 cm bore size. Data on file. *** With TrueV.*

PET-MR

Siemens Healthineers · Biograph Horizon *

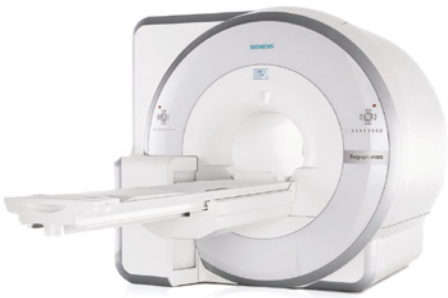
Gantry Opening	70 cm
Volumetric Resolution	87 mm³
Field of View	Up to 221 mm (axial)

Highlights
- Designed with technologies that set the standard in PET / CT, Biograph Horizon brings you premium performance at an attractive level of investment.
- More accurately stage disease by identifying small lesions early with Biograph Horizon's 4 mm, high resolution LSO crystals and Time of Flight.
- Leverage automated tasks and protocols to free up your staff's time, so they can focus on what matters most, your patients.
- Reduce your capital investment and keep overhead expenses under control with minimal upfront infrastructure requirements and low operating costs.

** Biograph Horizon is not commercially available in all countries. Due to regulatory reasons, its future availability cannot be guaranteed. Please contact your local Siemens Healthineers organization for further details.*

Siemens Healthineers · Biograph mMR

System sensitivity	13.2 cps/kBq at 430 keV
Volumetric Resolution	4.4 mm transverse FWHM @ 1 cm, typical
Field of View	258 mm (axial)



Highlights
- Maximize MR-PET
- Benefit from motion-free PET images with MR-based motion compensation beyond gating
- Advance PET attenuation correction with whole-body 5-compartment model including bones and HUGE
- Deliver exceptional quality and speed in MR-PET with the latest MR innovations

Displays / Printers

Displays – Mammo

Displays – Color

Displays - Grayscale

Displays – Clinical Review

Displays – Large Format

Printers

CD- / DVD-Robot

Accessories /
Complementary Systems

AGFA HealthCare

CHILI Digital Radiology

BARCO Visibly yours

DOTmed

EIZO

bender gruppe medigration

TOTOKU

DISPLAYS - MAMMO

Barco · Nio 5MP

Panel size 21"
Resolution 5 MP (2,048 x 2,560)
Max. luminance 1,020 cd / m²

Highlights
- 500 cd / m² – to increase detection of the smallest details
- Renders more JNDs to help you see more shades of gray
- Constant DICOM-compliance
- 5-year warranty incl. front sensor

Barco · Coronis 5MP

Panel size 21.3"
Resolution 5 MP (2,560 x 2,048)
Max. luminance 1,200 cd / m²

Highlights
- 600 cd / m² – to increase detection of the smallest details
- I-Luminate button to temporarily boast brightness for detailed inspection
- Renders more JNDs to help you see more shades of gray
- Pixel-perfect diagnostic precision for constant DICOM-compliance
- 5-year warranty incl. front sensor

Barco · Barco Coronis Uniti

Panel size 33 inch
Resolution 12 MP (4,200 x 2,800)
Technology Color and grayscale LCD
Max. luminance > 2100 cd / m²

Highlights
- Approved for PACS, FFDM, DBT, breast MRI & US
- Proven 10 % higher detection when scrolling DBT IMAGES Proven 10 – 15 % higher detection probability compared to other FFDM displays
- 2 x the lifetime and 2 x the brightness of other PACs and FFDM displays
- 5-year warranty incl. front sensor

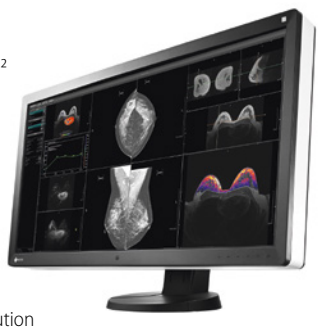
EIZO · RadiForce GX550

Pixel matrix 5 MP
Panel size 21.3"
Max. luminance 1,200 cd / m²

Highlights
- Consistency with DICOM part 14 calibration
- Easy calibration with integrated front sensor
- Quick brightness stabilization for instant viewing
- Brightness uniformity for a steadier image across the screen
- Light sensor for measuring the ambient light conditions of the working environment
- Presence sensor for immediately activating the screen upon your return

EIZO · RadiForce RX850

Panel size 8 MP
Pixel matrix 31.1"
Max. luminance 850 cd / m²



Highlights
- LCD module with 8 megapixel resolution and LED backlight for a reliably high and constantly stable brightness
- Dual-screen display (4 x 4 MP) on one monitor
- Consistency with DICOM part 14 calibration
- Monochrome and color images on one monitor
- Brightness uniformity for a steadier image across the screen
- Light sensor for measuring the ambient light conditions of the working environment

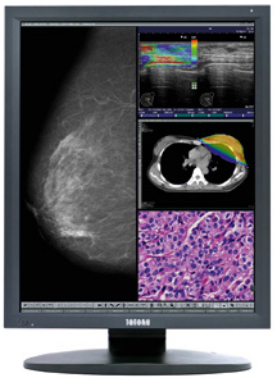
TOTOKU · MS55i2

Pixel matrix 2,048 x 2,560 / 2,048 x 7,680 (with ISD)
Panel size 21.3"
Max. luminance 1,200 cd / m

Highlights
- LED Backlight
- 1,200 : 1 contrast ratio
- True 11 Bit grayscale
- ISD Support
- Front and ambient light sensor
- Remote management and calibration
- Integrated power supply
- DVI and DisplayPort interface
- Optional AR coating

TOTOKU · CCL550i2

Resolution 2,048 x 2,560
Panel size 21.3"
Panel Technology IPS



Highlights
- 1,000 cd / m² brightness
- 1,300 : 1 contrast ratio
- Auto Text Mode
- Dynamic Gamma
- Front and ambient light sensor
- Remote management and calibration
- Integrated power supply
- DVI and DisplayPort interface
- Optional AR coating

DISPLAYS - GRAYSCALE

Barco · Coronis Product Line

Panel size 21.3"
Resolution 3 MP (2,048 x 1,536) / 5 MP (2,560 x 2,048)
Max. luminance 1,700 / 1,200 cd / m²

Highlights
- Unmatched color accuracy and pixel-perfect images
- I-Guard front sensor for ultimate diagnostic confidence
- Fast imaging, exceptional visualization and results
- Automated intervention-free calibration and QA
- 5-year warranty incl. front sensor

EIZO · RadiForce GX340

Pixel matrix 3 MP
Panel size 21.3"
Max. luminance 1,200 cd / m²

Highlights
- Consistency with DICOM part 14 calibration
- Easy calibration with integrated front sensor
- Quick brightness stabilization for instant viewing
- Brightness uniformity for a steadier image across the screen
- Light sensor for measuring the ambient light conditions of the working environment
- Presence sensor for immediately activating the screen upon your return

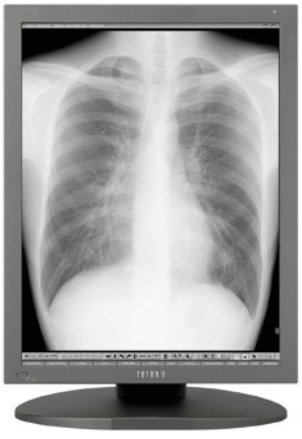
EIZO · RadiForce GX240

Pixel matrix 2 MP
Panel size 21.3"
Max. luminance 1,200 cd / m²

Highlights
- Environmentally-friendly LED backlight
- Consistency with DICOM part 14 calibration
- Easy calibration with integrated front sensor
- Quick brightness stabilization for instant viewing
- Brightness uniformity for a steadier image across the screen
- Light sensor for measuring the ambient light conditions of the working environment

TOTOKU · MS35i2

Panel Technology IPS
Panel size 21.3"
Resolution 1,536 x 2,048 / 1,536 x 6,144 (with ISD)



Highlights
- 1,700 cd / m² brightness
- 1,400 : 1 contrast ratio
- True 11 Bit grayscale
- ISD Support
- Front and ambient light sensor
- Remote management and calibration
- Integrated power supply
- DVI and DisplayPort interface
- LED Backlight
- Optional AR coating

DISPLAYS – GRAYSCALE

TOTOKU · MS25i2

Panel Technology IPS
Panel size 21.3"
Resolution 1,600 x 1,200 / 4,800 x 1,200 (ISD)

Highlights
- 1,900 cd / m² brightness
- 1,400 : 1 contrast ratio
- True 11 Bit grayscale
- ISD Support
- Front and ambient light sensor
- Remote management and calibration
- Integrated power supply
- DVI and DisplayPort interface
- LED Backlight
- Optional AR coating

TOTOKU · ME195

Panel Technology IPS
Resolution 1,280 x 1,024
Panel size 19.1"

Highlights
- 1,400 cd / m² brightness
- 1,000 : 1 contrast ratio
- Brightness stabilization
- DVI and Video input to connect modality systems

DISPLAYS - COLOR

Barco · Coronis Fusion Product Line

Pixel matrix 4 MP / 6 MP
Panel size 30.4"
Max. luminance 4 MP (2,560 x 1,600) / 6 MP (3,280 x 2,048)

Highlights
- Bezel-free 30-inch multi-modality PACS imaging desktop
- Unmatched viewing characteristics and image quality
- High-performance medical-grade image processing
- Automated intervention-free calibration and QA
- 5-year warranty incl. front sensor

Barco · Nio Product Line

Pixel matrix 2 MP / 3 MP
Panel size 21" / 21"
Max. luminance 800 cd / m²

Highlights
- Excellent brightness, contrast along with a wide viewing
- Proven technology for long-term image confidence
- High-speed image processing for maximum productivity
- Fully transparent calibration and QA
- 5-year warranty incl. front sensor

EIZO · RadiForce RX660

Resolution 6 MP
Panel size 30"
Max. luminance 1000 cd / m²

Highlights
- LCD module with 6 megapixel resolution and LED backlight for a reliably high and constantly stable brightness
- Dual-screen display (3 x 3 MP) on one monitor
- Consistency with DICOM part 14 calibration
- Monochrome and color images on one monitor
- Brightness uniformity for a steadier image across the screen
- Light sensor for measuring the ambient light conditions of the working environment

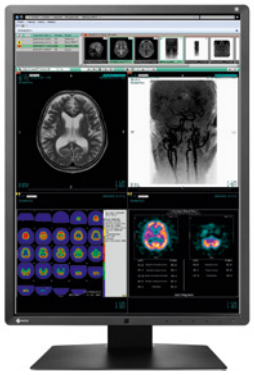
EIZO · RadiForce RX440

Pixel matrix 4 MP
Panel size 29.8"
Max. luminance 750 cd / m²

Highlights
- LCD module with 4 megapixel resolution for a reliably high and constantly stable brightness
- Dual-screen display (2 x 2 MP) on one monitor
- Consistency with DICOM part 14 calibration
- Monochrome and color images on one monitor
- Brightness uniformity for a steadier image across the screen
- Light sensor for measuring the ambient light conditions of the working environment

EIZO · RadiForce RX350

Pixel matrix 3 MP
Panel size 21.3"
Max. luminance 1,000 cd / m²



Highlights
- Consistency with DICOM part 14 calibration
- Sharpness recovery function (MTF increases by approx. 52 %)
- Brightness uniformity for a steadier image across the Screen
- Quick brightness stabilization for instant viewing
- Light sensor for measuring the ambient light conditions of the working Environment
- Presence sensor for immediately activating the screen upon your return

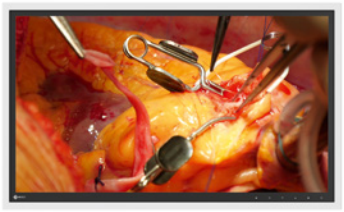
EIZO · RadiForce RX250

Pixel matrix 2 MP
Panel size 21.3"
Max. luminance 800 cd / m²

Highlights
- 2 megapixel color display with consistently higher and more stable brightness
- Clearly defined images thanks to blur reduction
- Automatic luminance distribution control (Digital Uniformity Equalizer)
- Set up for calibration, acceptance, and consistency testing in accordance with DIN 6868-157 and QSRL
- Effortless quality control and built-in calibration sensor
- Lower power consumption and heat output
- Light sensor to measure ambient light at the diagnostic station
- Presence sensor for immediately activating the screen upon your return

EIZO · RadiForce EX271W

Pixel Matrix 2 MP
Panel size 27"
Max. luminance 600 cd / m²



Highlights
- 27-inch LCD module with 1080p (Full HD) resolution (1920 x 1080 pixels)
- Powerful LED backlight with over 500 cd / m² luminance for an optimal presentation of critical images
- Five factory calibrated look-up tables for quick and easy adaptation to diverse application and viewing environments
- Modular concept for targeted integration into current and future systems
- Sleek, encapsulated design with laminated safety glass and an unsurpassed IP rating ideally suited to the OR environment

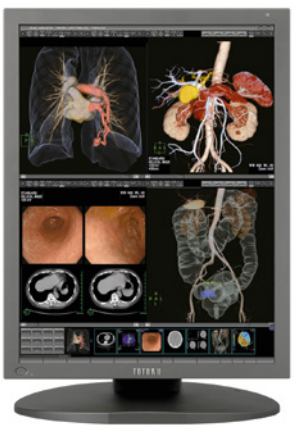
TOTOKU · CCL650i2

Panel Technology IPS
Panel size 30"
Resolution 3,280 x 2,048
Max. luminance 800 cd / m²

Highlights
- 800 cd / m² brightness
- 1,000 : 1 contrast ratio
- Brightness stabilization system
- Remote management
- Integrated power supply
- Dual DVI / DisplayPort Input
- Auto Text mode and Dynamic Gamma

TOTOKU · CCL358i2

Panel Technology IPS
Panel size 21.3"
Resolution 2,048 x 1,536
Max. luminance 800 cd / m²



Highlights
- 800 cd / m² brightness
- 1400 : 1 contrast ratio
- Front and ambient light sensor
- Remote management and calibration
- Integrated power supply
- DVI and DisplayPort interface
- Optional AR coating
- Auto Text mode and Dynamic Gamma

DISPLAYS – COLOR

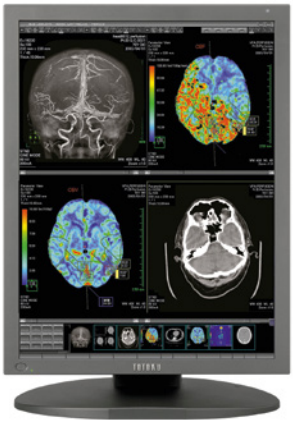
TOTOKU · CCL258i2

Panel Technology IPS
Panel size 21.3"
Resolution 1,600 x 1,200
Max. luminance 900 cd / m²

Highlights
- 900 cd / m² brightness
- 1400 : 1 contrast ratio
- Front and ambient light sensor
- Remote management and calibration
- Integrated power supply
- DVI and DisplayPort interface
- Optional AR coating
- Auto Text mode and Dynamic Gamma

TOTOKU · CCL214

Panel Technology IPS
Panel size 21.3"
Resolution 1,600 x 1,200



Highlights
- 500 cd / m² brightness
- 1,200 : 1 contrast ratio
- Front and ambient light sensor
- Remote management and calibration
- Integrated power supply
- DVI and DisplayPort interface
- Optional AR coating
- Auto Text mode and Dynamic Gamma

TOTOKU · CCL242

Panel Technology IPS
Panel size 24.1"
Resolution 1,920 x 1,200

Highlights
- 300 cd / m² brightness
- 1,000 : 1 contrast ratio
- Brightness stabilization system
- Remote management
- Integrated power supply
- Optional AR coating

TOTOKU · CCL196

Panel Technology IPS
Panel size 19"
Resolution 1,280 x 1,024
Max. luminance 800 cd / m²

Highlights
- 700 cd / m² brightness
- 1000 : 1 contrast ratio
- Video and DVI interface
- Brightness stabilization system
- Remote management
- Integrated power supply

DISPLAYS - CLINICAL REVIEW

Barco · Eonis Family

Panel size 19" / 21" / 22" / 24"
Resolution 1 MP (1,280 x 1,024) / 2 MP (1,600 x 1,200) / 2 MP (1,920 x 1,080)
Max. luminance 330 / 440 / 250 / 300 cd / m²

Highlights
- Protective toughened, scratch proof glass cover
- 100 % cleanable (70 % alcohol) design supports hospital infection control initiatives
- Touchscreen options available
- IEC 60601-1 for use within 1m of patients
- Desk or cart-mounted for ultimate flexibility
- QA management and asset management
- 3-year warranty incl. front sensor

Why are more than a quarter million health care professionals registered on DOTmed?

Afghanistan 190, Albania 380, Algeria 313, American Samoa 39, Andorra 60, Angola 44, Anguilla 20, Antarctica 16, Antigua 4, Antigua and Barbuda 140, Argentina 1542, Armenia 202, Aruba 39, Australia 1685, Austria 332, Azerbaijan 133, Bahamas 72, Bahrain 95, Bangladesh 271, Barbados 32, Belarus 81, Belgium 442, Belize 58, Benin 55, Bermuda 34, Bhutan 24, Bolivia 460, Bonaire 2, Bosnia and Herzegovina 160, Botswana 46, Brazil 3068, British Indian Ocean Territory 16, Brunei Darussalam 37, Bulgaria 590, Burkina Faso 40, Burundi 18, Cambodia 112, Cameroon 200, Canada 4583, Canary Islands 2, Cape Verde 31, Cape Verde Islands 1, Caroline Islands 2, Côte D'Ivoire 1, Cayman Islands 38, Central African Republic 495, Chad 17, Chile 708, China 4339, Christmas Island 10, Cocos(Keeling)Island 1, Colombia 1317, Comoros 18, Congo 7, Congo, Democratic Republic of the 65, Cook Islands 17, Costa Rica 234, Côte D'Ivoire 139, Croatia 191, Cuba 33, Curacao 4, Cyprus 365, Czech Republic 196, Denmark 252, Djibouti 26, Dominica 22, Dominican Republic 502, Ecuador 620, Egypt 1487, El Salvador 247, Equatorial Guinea 28, Eritrea 17, Estonia 98, Ethiopia 132, Faeroe Islands 1, Falkland Islands 1, Faroe Islands 1, Fiji 34, Finland 124, France 1034, French Guiana 18, French Polynesia 21, Gabon 23, Gambia 31, Georgia 478, Germany 1782, Ghana 365, Gibraltar 27, Greece 915, Greenland 23, Grenada 25, Guadeloupe 18, Guam 71, Guatemala 366, Guinea 14, Guinea-Bissau 943, Guyana 30, Haiti 121, Honduras 266, Hong Kong 383, Hungary 367, Iceland 49, India 7123, Indonesia 1096, Iran 1085, Iraq 545, Ireland 301, Isle of Man 1, Israel 753, Italy 1926, Jamaica 158, Japan 450, Jordan 356, Kazakhstan 123, Kenya 327, Kiribati 9, Kuwait 162, Kyrgyz Republic 70, Lao People's Democratic Republic 30, Latvia 118, Lebanon 494, Lesotho 20, Liberia 19, Libyan Arab Jamahiriya 247, Liechtenstein 12, Lithuania 123, Luxembourg 38, Macao 28, Macedonia 218, Madagascar 62, Malawi 43, Malaysia 692, Maldives 33, Mali 35, Malta 56, Marshall Islands 23, Martinique 22, Mauritania 32, Mauritius 66, Mayotte 13, Mexico 5172, Micronesia 19, Moldova 126, Monaco 26, Mongolia 144, Montenegro 31, Montserrat 9, Morocco 426, Mozambique 43, Myanmar 65, Namibia 35, Nauru 15, Nepal 127, Netherlands 699, Netherlands Antilles 34, Nevis 1, New Caledonia 18, New Zealand 271, Nicaragua 168, Niger 20, Nigeria 1369, Niue 12, Norfolk Island 21, Northern Mariana Islands 32, North Korea 15, Norway 129, Oman 88, Pakistan 3289, Palau 8, Palestinian Territory 8, Panama 224, Papua New Guinea 42, Paraguay 243, Peru 865, Philippines 1459, Pitcairn Island 1, Poland 1111, Portugal 461, Puerto Rico 740, Qatar 83, Reunion 16, Romania 955, Russia 1304, Rwanda 40, Saint Barthelemy 2, Saint Helena 13, Saint Kitts 2, Saint Kitts and Nevis 20, Saint Lucia 46, Saint Maarten 4, Saint Pierre and Miquelon 11, Saint Vincent 1, Saint Vincent and the Grenadines 21, Samoa 13, San Marino 12, Sao Tome and Principe 2, Saudi Arabia 1025, Senegal 101, Serbia 348, Serbia and Montenegro 79, Seychelles 19, Sierra Leone 31, Singapore 392, Slovakia 115, Slovenia 115, Solomon Islands 13, Somalia 40, South Africa 684, South Korea 674, Spain 1056, Sri Lanka 160, Sudan 212, Suriname 50, Swaziland 11, Sweden 242, Switzerland 293, Syria 477, Tahiti 2, Taiwan 558, Tajikistan 57, Tanzania 159, Thailand 422, Timor-Leste 18, Togo 50, Tokelau 4, Tonga 13, Trinidad and Tobago 151, Tunisia 120, Turkey 1780, Turkmenistan 20, Turks and Caicos Islands 22, Tuvalu 13, Uganda 234, Ukraine 895, United Arab Emirates 960, United Kingdom 3660, Uruguay 149, USA 130148, USVI 1, Uzbekistan 137, Vanuatu 17, Venezuela 1187, Vietnam 905, Virgin Islands (U.K.) 5, Virgin Islands (U.S.) 21, Wallis and Futuna Islands 11, Western Sahara 1, Western Samoa 2, Yemen 305, Yugoslavia 112, Zambia 80, Zimbabwe 120.

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DISPLAYS – CLINICAL REVIEW

EIZO · RadiForce MX242W

Pixel matrix 2.3 MP
Panel size 24.1"
Max. luminance 350 cd / m²

Highlights
- View more with widescreen and wide viewing angles
- DICOM part 14 compliant, simplified calibration
- Brightness stabilization
- Brightness uniformity for a steadier image across the screen
- Customer assurance with medical standards

EIZO · RadiForce MX215

Pixel matrix 2 MP
Panel size 21.3"
Max. luminance 420 cd / m²

Highlights
- DICOM part 14 compliant plus simplifi ed calibration
- Brightness stabilization
- Selection for optimum viewing
- Customer assurance with medical standards

EIZO · RadiForce MX191

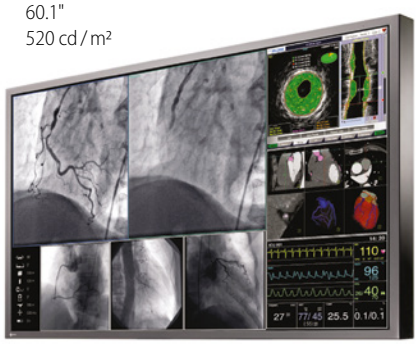
Pixel matrix 1.3 MP
Panel size 19"
Max. luminance 300 cd / m²

Highlights
- DICOM part 14 compliant plus simplified calibration
- Brightness stabilization
- Mode selection for optimum viewing
- Customer assurance with medical standards

DISPLAYS - LARGE FORMAT

EIZO · RadiForce LX600W

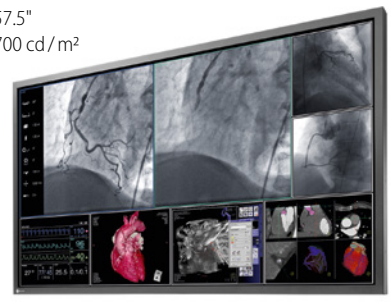
Pixel matrix 8 MP
Panel size 60.1"
Max. luminance 520 cd / m²



Highlights
- Multi monitor scenarios in a single glance
- Environmentally-friendly LED backlight
- Diagnostic precision with factory adjustment
- Quick brightness stabilization for instant viewing
- Wide range of input and output support

EIZO · RadiForce LS580W

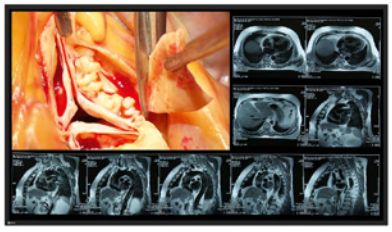
Max. luminance 8 MP
Panel size 57.5"
Pixel matrix 700 cd / m²



Highlights
- 58-inch LCD module with 8 MP (4k ultra HD) resolution
- Redundant components architecture for a high degree of operational reliability
- Grayscale tones adjusted to DICOM Part 14 standard for optimum viewing of medical DICOM images
- Five user-selectable 11-bit look-up tables enable accurate viewing of any type of medical Image Homogeneous brightness uniformity across the entire screen

EIZO · RadiForce LX490W

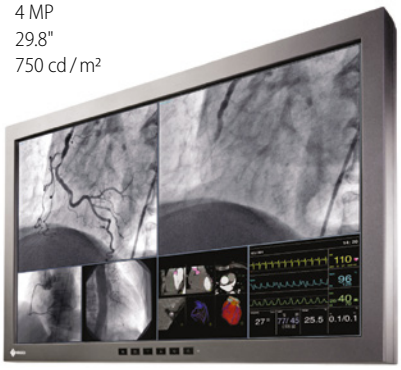
Pixel matrix 2 MP
Panel size 48,5"
Max. luminance 700 cd / m²



Highlights
- Five factory-set DICOM and Gamma 2.2 lookup tables for optimal medical image reproduction
- Quick adaptation to different environments and procedures
- Numerous video inputs and outputs for increased connectivity
- Flexible image arrangement with "picture in picture" (PiP) and "picture and picture" (PaP) functions
- Fully automated brightness stability through ISS (Integrated Stability System)

EIZO · RadiForce LX300W

Pixel matrix 4 MP
Panel size 29.8"
Max. luminance 750 cd / m²



Highlights
- Multi monitor scenarios in a single glance
- Environmentally-friendly LED backlight
- Diagnostic precision with factory adjustment
- Quick brightness stabilization for instant viewing
- Customer assurance with medical standards

PRINTER

Agfa · DRYSTAR 5503

Technology Direct digital imaging
Capacity 100 films / h (14 x 17)
Resolution 508 dpi / 50 µm pixelsize

Highlights
- Multi-modality, high throughput imager with film sorter
- Ideal for centralized workflow, can easily be connected to the network
- Integrated A#Sharp technology for optimized image quality
- Three multi-format trays, each supporting different film sizes and types
- Suitable for CT, MRI, DSA, digital R / F, CR, DR and optional mammography applications

Agfa · DRYSTAR AXYS

Technology Direct digital imaging
Capacity 75 films / h (14 x 17)
Resolution 508 dpi / 50 µm pixelsize

Highlights
- Flexible, tabletop imager delivering mammography-quality images
- Multi-application hardcopy solution, including digital mammography
- Integrated A#Sharp technology for optimized image quality
- Two multi-format trays, each supporting different film sizes and types
- Very short access time for extremely fast delivery of first four prints

Agfa · DRYSTAR 5302

Technology Direct digital imaging
Capacity 75 films / h (14 x 17)
Resolution 320 dpi

Highlights
- Suitable for all applications and ideal for CR / DR
- A#Sharp technology for optimized image quality
- Convenient imaging with two media sizes on-line (multi-format)
- Very short access time ensures fast printing of small print jobs

Agfa · DRYSTAR 5301

Technology Direct digital imaging
Capacity 70 films / h (14 x 17)
Resolution 320 dpi

Highlights
- A# Sharp Technology
- Direct Digital Imaging Technology
- Excellent reliability, minimum maintenance
- Convenient imaging with one media size online
- Provides excellent quality for low operating cost

ETIAM · Exams printing on paper

Highlights
Solution to customize and automatically print exams from all equipment on the imaging network by simply sending data to DICOM destinations
- Extended choice of page layouts, patients' booklet mode
- Multiple exams can be printed on a single booklet
- Manual or automatic integration of reports
- Compatible with all modalities, DICOM image sources and all printers

PRINTER

medigration · DICOM PaperPrint

Format	DIN A3, 11 x 17 inch
Capacity	Up to 120 paper prints / h
Resolution	1.200 x 2.400 dpi (print), 600 x 600 dpi (copy)

Highlights
- Supports all DICOM 3.0 modalities (e. g. CT, MRT, CR, DR, US, NUK, etc)
- Supports one or more PostScript printers within the network
- General licence package (no restrictions on how many DICOM modalities are connected)
- Image header and footer customizable incl. physician logo
- Separate LUT (Look Up Table) for each printing system
- GSDF calibration according IHE

CD- / DVD-ROBOT

CHILI · Burn Gateway

Highlights
- Receives data by DICOM C-Store
- Burns data on one or more CD / DVDs
- Optional reports
- Individual label printing
- Client enabled (different logos)
- CHILI viewer in report quality
- Alternative presentation as HTML / jpeg
- Certified by OFFIS and DRG
- Works with any PACS
- External output tray!

CHILI · Import Robot

Highlights
- Automatic import robot
- Import of patient CD / DVD
- 2, 5 or 10 drives
- 2 import trays (regular / express)
- 2 output trays (ok, failed)
- Optional virus scan
- Correction of foreign data
- Automatic DICOM transfer
- Works with any PACS

medigration · CD-Imager

Format	CD-R, DVD-R, DVD+R, DVD-R DL, DVD+R DL
Capacity	30 CDs / h or 15 DVDs / h (burn and print)
Magazine size	2 x 50 pcs

Highlights
- Fully automatic compact system for creating DICOM patient CDs or DVDs
- Highly compatible with all digital DICOM modalities (multimodality)
- Individual labeling (practice / clinic logo)
- Easy integration of DICOM patient data
- Extremely cost effective due to quick printing times and low link consumption

ACCESSORIES / COMPLEMENTRAY SYSTEMS

EIZO · RadiCS – Quality Control Software for Displays

Highlights
- Acceptance and Constancy Testing in Easy Steps
- DICOM Part 14 Calibration
- History Recording and Report Generator
- Flexible Schedule Setting
- Intelligent Hands-Off Check

EIZO · RadiNET Pro – Network QC Management for Displays

Highlights
- Centralized Management of up to 8,000 Monitors
- Instant Notification for Immediate Maintenance
- Time Saving Remote Calibration
- Easy-to-Use Web-Based Application

Ultrasound


DOTmed®
CHISON
Value Beyond Imaging
GE Healthcare
esaote
GCTechnology GmbH
HITACHI
Inspire the Next
KONICA MINOLTA
mindray
SAMSUNG
SIEMENS
Healthineers
See the future
SIUI
FUJIFILM
Value from Innovation
SUPERSONIC
imagine
SonoSite
TOSHIBA

ULTRASOUND

Chison · EBit

Mode B, C, CPA/DPD, PW/CW, TDI, Color M
Transducer inputs 2
Scan format Convex, linear, phased array, micro-convex

Highlights
- Breakthrough new technologies: THI, Space Compound Imaging, SRA, FHI, X-contrast, Q-flow, Q-beam, Q-image
- Built in battery ≥ 2 hours (option)
- 30 degree rotatable LED screen
- Full Screen Mode
- Advanced Cardiovascular Packages: Steering M, Color M, CW, TDI, Auto IMT
- About 7.5kg (with battery), convertible design
- Wide Range of transducers
- 18 MHz High Frequency Linear Probe

Chison · QBit 9

Mode CW, TDI, Free M mode, Color M mode, ECG
Transducer inputs 4
Scan format Convex, linear, transvaginal, phased array, 4D volume, micro-convex

Highlights
- Hassle-Free maintenance (Hero Kit)
- Breakthrough new technologies : FHI,X-contrast, Q-flow, Q-beam, Q-image
- Stress Echo
- Elastography
- Advanced 4D technologies: Virtual HD, Depth View
- High definition digital output ports: DVI
- Built in battery 80 min (option)

Chison · QBit 7

Mode CW, TDI, Free M mode, Color M mode, ECG
Transducer inputs 4
Scan format Convex, linear, transvaginal, phased array, 4D volume, micro-convex

Highlights
- Versatile diagnostic solutions.
- Intelligent workflow, simplified keyboard
- Advanced 4D technologies: Virtual HD, Depth View
- Breakthrough new technologies : FHI, X-contrast, Q-flow, Q-beam, Q-image
- Built in battery 80 min (option)
- CW, TDI, Free M mode, Color M mode, ECG

Chison · i9

Mode B, 2B, 4B, B / M, 2D Steer BC, CFM PW, HPRF, CW PD, Directional PD Instant Triplex, Duplex, Quadplex Trapezoidal Curved Panoramic Imaging(option) 4D (option) Chroma B / M / PW / CW ECG (option) Free Steering M (option) Color M (option)
Transducer inputs 4

- 19" high definition LED monitor with 270° rotation angle
- 10.4" touch screen for more user friendly workflow
- Integrated gel warmer
- 2.5 MHz – 18 MHz operating frequency range
- THI, SRA, Fusion harmonic
- Universal Compound Imaging
- i-Image / 2D Steer / Curved Panoramic Imaging
- IMT / Elastography / Super needle
- Advanced 4D technologies: 4D probe and display package, Virtual HD, Depth view
- Professional Cardiac packages

Chison · i8

Mode B, 2B, 4B, B / M, 2D Steer BC, CFM PW, HPRF, CW PD, Directional PD Instant Triplex, Duplex, Quadplex Trapezoidal Curved Panoramic Imaging(option) 4D (option) Chroma B / M / PW / CW ECG (option) Free Steering M (option) Color M (option)
Scan format Convex,Linear,Transvaginal,Phased array,4D Volume,Micro-Convex
Transducer inputs 4

Highlights
- 19" high definition LCD Monitor, 4 probe connectors
- Advanced 4D technologies: 4D probe and display package, Virtual HD, Depth View
- Advanced Imaging Technologies: THI, SRA, Compounding, i-Image, Quardplex
- Elastography, Super Needle, 2D Steer
- Shared Service: Cardiac, Vascular, AB, OB / GYN, MSK, Small Parts, Urology and Pediatric
- Professional Cardiac package

Chison · i3

Mode B, 2B, 4B, B / M, M CFM PW Mode Power Doppler / Directional PD Trapezoidal Real-time 4D (Option) Chroma B / PW
Scan format Convex probe Linear probe Linear probe (60mm) Transvaginal probe Micro-Convex probe 4D Volume probe Wideband, Multi-frequency
Transducer inputs 4

Highlights
- 19" LCD, 4 probe connectors
- Advanced 4D technology
- Superb image: Compound imaging, SRA, i-Image
- Comprehensive OB & GYN package
- Streamlined workflow
- EasyView archive system
- DICOM 3.0, PC & Video printer
- Great value for OB & GYN, General imaging

Chison · SonoTouch 30

Mode B, CFM, PW,M,2B,4B
Transducer inputs 1 for main unit, 3 with cart (option)
Weight 7 kg

Highlights
- Touch screen, icon-driven, easy to use
- Quick boot within 30 seconds
- Long battery life up to 2.5 hours
- Compact, durable, water proof (from panel)
- High resolution LED screen
- Portable stand with adjustable viewing angles
- Versatile imaging functions and report management software
- USB and DICOM 3.0
- Super Needle
- B, CFM, PW, M, 2B, 4B

Chison · Q9

Mode B, 2B, 4B, B / M, 2D Steer BC, CFM PW, HPRF, CW PD, Directional PD Instant Triplex, Duplex, Quadplex Trapezoidal Curved Panoramic Imaging(option) 4D (option) Chroma B / M / PW / CW ECG (option) Free Steering M (option) Color M (option) TDI (option)
Scan format Convex, Linear, Phased array, Volume, Micro convex
Transducer inputs 2

Highlights
- 15" high definition LCD Monitor
- Dual probe connectors
- Advanced 4D technologies: 4D probe and display package, Virtual HD, Depth View
- Advanced Imaging Technologies: THI, SRA, Compounding, i-Image, Quardplex
- Elastography, Super Needle
- Shared Service : Cardiac, Vascular, ABD, OB / GYN, MSK, Small Parts, Breast, Urology and Pediatric

Chison · Q5

Mode B, 2B, 4B, B / M, M CFM PW Mode Power Doppler / Directional PD Trapezoidal Real-time 4D (Option) Chroma B / PW
Scan format Convex, Linear, Transvaginal, Transvaginal, Volume, Micro-Convex
Transducer inputs 2

Highlights
- 15" LCD monitor
- Advanced 4D technology: 4T (Fast, Light, Quiet, Smart)
- Professional OB report package
- B, CFM, PW, Power Doppler and Directional Power Doppler
- Trapezoidal Mode
- Streamlined workflow
- Dual probe connectors
- Advanced technologies: SRA, Compound Imaging, THI, i-Image

Chison · ECO5

Mode B, C, M, PW
Scan format B, B / B, 4B, M, B / M, CFM, PW, Trapezoidal
Transducer inputs 2
Weight 6.5 kg (with built-in battery)

Highlights
- Ultra-portable color ultrasound system
- PW Doppler with auto-trace
- Additional phased array probe
- Wide viewing angle (0 – 180°), from left to right
- Built-in battery (> 2 hours)
- 12 inch rotatable LED monitor (0 – 30°)
- One key to full screen
- 8G memory card

Chison · ECO 3 EXPERT

Mode B, 2B, 4B, B / M, M, PW
Transducer inputs 2
Scan format Convex, linear, transvaginal , micro-convex

Highlights
- 30 degree rotatable LED screen: better resolution & economy
- Advanced image techonology: THI, SRA, i-Image, Compound imaging
- Long battery life: >2 hours
- Professional accessories: Carry case (BG-100)
- Better solution with Cart TR 9000, Anti-water keyboard cover
- User-friendly and modern design
- Streamlined workflow(6-one-key step)
- Chroma

Chison · ECO1

Mode B, B / B, 4B, M, B / M
Scan format Convex, Linear, Micro-Convex, Transvaginal
Transducer inputs 2
Weight 6.5 kg (with built-in battery)

Highlights
- Advanced image technologies: THI, SRA, i-Image, Compound imaging
- 8G memory card
- Dual probe connectors
- Trapezoidal
- High resolution LED monitor 30° rotatable
- One key to full screen
- Anti-water keyboard cover
- Chroma
- Better solution for accessories: Carry case & CartTR9000

ULTRASOUND

Esaote · MyLab Eight eXP

Mode 2D, 3D, 4D, M, CMM, CFM, PWD, XFlow, SWE, PW, CW, CnTI and others

Scan format Convex, Linear, Phased Array, Extended, 3D Panoramic and Volumetric

Transducer inputs 4 probe connectors

Highlights
- Premium system with MPowered beamforming to optimize high-density and Single Crystal transducers
- State of the art visualization with WideView technology for crispy details, deep image contrast and extensive image size
- Superb Imaging, hemodynamics and tissue stiffness quantification with an extensive package of Advanced Technologie (QElaXto Shear Wave Elastography, XFlow, CnTI, Virtual Navigator Fusion Imaging)

Esaote · MyLab Twice eHD CrystaLine

Mode 2D, 3D, 4D, M, CMM, CFM, PWD, XFlow, PW, CW, CnTI and others

Scan format Convex, Linear, Phased Array, Extended, 3D Panoramic and Volumetric

Transducer inputs 4 & 1 probe connectors

Highlights
- Premium system with Point-of-Care portable ultrasound unit optionally integrated
- High level Ergonomics with intuitive Touch Screen panel, user friendly workflow and App based MyLabRemote tool for remote control though Smartphone or Tablet
- Superb Imaging, Color and Spectral Doppler with Advanced Technologies (ElaXto, CnTI, Virtual Navigator Fusion Imaging) applicable to different types of transducer and to extensive range of clinical applications

Esaote · MyLabClassC

Mode 2D, 3D, 4D, M, CMM, TVM, CFM, PW, CW, PWD, XFlow CnTI and others

Scan format Convex, Microconvex, Linear, Phased Array, Extended, 3D Panoramic and Volumetric

Transducer inputs 4 & 1 probe connectors

Highlights
- High-end System, perfect choice for high performance combined with excellent ergonomics (OptiLight and MyLabRemote) and user friendly workflow
- Superb Imaging, Color and Spectral Doppler with Advanced Technologies (ElaXto, Low MI CEUS, Fusion Imaging, 3D & 4D, QIMT, QAS, XFlow, HD CFM, Frequency range up to 22 MHz)
- Multidisciplinary Digital Platform for General Imaging, Women's Health, Cardiovascular, MSK

Esaote · MyLab Seven

Mode 2D, 3D, 4D, M, CMM, CFM, PW, CW, PWD, XFlow and others

Scan format Convex, Linear, Phased Array, Extended, Panoramic and Volumetric

Transducer inputs 4 probe connectors

Highlights
- Confident diagnosis in an innovative system design to deliver high-class imaging performance in compact size
- Touch-screen centered user interface allows automatic workflow features: eTouch, Protocols, SmarTouch
- Fully customizable user interface to have always the best workflow in any clinical application and setting
- Advanced features available, i. e.: ElaXto, CEUS, 3D / 4D, QIMT, QAS RF-based arterial stiffness, XStrain4D

Esaote · MyLabSix ChristaLine

Mode 2D, 3D, 4D, M, CMM, CFM, TVM, PW, CW, PWD and others

Scan format Convex, Microconvex, Linear, Phased Array, Extended, Panoramic and Volumetric

Transducer inputs 3 probe connectors

Highlights
- MyLabSix offers high level Image Quality in a Compact Design
- eDesign product to maximize user comfort and diagnostic confidence
- 19" Wide screen monitor, Touch Screen and easy workflow
- Extended transducer range, offering also Hockey Stick High Frequency, Biopsy dedicated convex transducer, TEE, Endocavity, Surgery and Laparo-scopic transducers
- Ultra-low power consumption: Esaote Eco Efficiency engine
- Advanced technologies available such as, QIMT, 3D / 4D

Esaote · MyLabAlpha

Mode 2D, 3D, 4D, M, CMM, TVM, CFM, PW, CW, PWD, XFlow and others

Scan format Convex, Microconvex, Linear, Phased Array, Extended, Panoramic and Volumetric

Transducer inputs 2 on board, 4 with cart

Highlights
- MyLabAlpha is a premium portable system, designed to deliver top performance for both imaging and ergonomics in small size and weight
- Portable ultrasound system for Radiology, Cardiovascular, MSK, Rheuma, OB-Gyn, POC as well as Surgery and Interventional Radiology
- Advanced technologies available such as ElaXto, CEUS, XStrain4D, QIMT and QAS Arterial Stiffness tool, 3D / 4D

Esaote · MyLabGamma

Mode 2D, 3D, 4D, M, CMM, TVM, CFM, PW, CW, PWD and others
Scan format Convex, Microconvex, Linear, Phased Array, Extended, Panoramic and Volumetric
Transducer inputs 2 on board, 4 with cart

Highlights
- MyLab Gamma sets ultrasound free bringing superb quality imaging and fast, confident diagnosis to the Point-of-Care in any situation – wherever and whenever
- Incorporating high resolution imaging, advanced technologies, and supporting a range of probes it is an optimal solution for Cardiovascular, General Imaging, MSK, OB-Gyn, Emergency
- Esaote Eco Efficiency product with ultra-low power consumption; eDesign advanced ergonomics solutions for system and transducers.
- Advanced technologies available such as, QIMT, 3D / 4D

Esaote · MyLabOne

Mode 2D, M, CFM, PWD, PW and others
Transducer inputs 1 on board, 3 on roll stand
Scan format Convex, Linear, Phased Array and Extended

Highlights
- Dedicated solution for Point Of Care
- Intuitive user interface, fully touch screen
- Wireless connectivity
- Fast workflow / Easy to clean / On-board MyLibrary
- Remote controls integrated on the transducers
- NNE technology for enhancement of needle visibility
- XHF technology: Frequency up to 22 MHz
- QIMT and QAS tools, for accurate and easy assessment of IMT and arterial stiffness, based on RF technology

FUJIFILM SonoSite · iViz

Mode 2D, M-Mode, Colour Doppler and THI, with multiple optimisation setting
Scan format Broadband and Multifrequency Phased Array
Transducer inputs 1
Weight 520 g

Highlights
iViz augments the value of ultrasound for clinical users from hospitals to clinics in remote villages with the ability to perform ultrasound when and where it's needed. It delivers fast and improved patient care with superior clarity, mobility, and unprecedented connectivity. Users can easily access patient records, store exams, submit reports, and consult with remote providers for assessments.

FUJIFILM SonoSite · SII

Mode 2D / Tissue Harmonic Imaging / M-Mode, Velocity Colour Doppler / Colour Power Doppler
Scan format Linear Array, Curved Array, Phased Array, Micro-Convex
Transducer inputs 2
Weight 5,7 kg

Highlights
The SII empowers your efficiency through an intuitive, yet smart user interface that adapts to your imaging needs. The system is portable and can be used across multiple hospital environments, including a zero footprint option for spaceconstrained rooms. We listened to you and designed the SII system to maximise the productivity of your practice, and support you in providing simply the best patient care.

FUJIFILM SonoSite · EDGE II

Mode B mode, M mode, Tissue Harmonic Imaging, Velocity Color Doppler, Color Power Doppler, PW, PW Tissue Doppler, CW
Scan format Linear, curved and phased array, multiplane TEE and micro-convex
Transducer inputs 1 for main unit, 3 with TTC option
Weight 3.85 kg

Highlights
The Edge II offers you enhanced imaging experience through industry-first transducer innovations like DirectClear and Armored Cable Technology. Because it's a SonoSite, the Edge II stays true to our design pillars: durability, reliability & ease of use. It offers a compact clamshell design that exceeds expectations for infection control and featuring enhanced cardiac & abdominal imaging experience.

FUJIFILM SonoSite · X-Porte

Mode 2D Broadband imaging, Tissue Harmonic Imaging, Pulse Inversion Harmonic Imaging, M Mode (update and simultaneous), Velocity Colour Doppler, Colour Power Doppler, Pulsed Wave Doppler, Pulsed Wave Tissue Doppler, Continuous Wave Doppler, ECG
Scan format Linear, curved and phased array, multiplane TEE and micro-convex
Transducer inputs 3

Highlights
X-Porte represents a new approach to clinical ultrasound. At the sweep of your hand, it responds quickly and intelligently to your imaging needs. Its self-explanatory control panel makes system navigation easy and its sealed touch screen has no buttons for pathogens to hide behind. X-Porte's slender profile makes it easy to maneuver alongside beds and exam tables for visualization and procedures.

ULTRASOUND

FUJIFILM SonoSite · Vevo MD

Mode B-Mode, M-Mode, Color (Velocity) Doppler Mode
Scan format Broadband, Ultra High-Frequency (UHF), linear array technology (up to 70 MHz)
Transducer inputs 1
Weight 95 kg

Highlights
Ultra high frequency means the highest resolution diagnostic ultrasound available today. This ground breaking development opens up new possibilities for medical imaging that have never been seen before. Whether imaging tiny infants in the neonatal ward, detecting the tiniest of suspicious lesions or monitoring the subtle changes in blood flow in the major arteries of the body, the Vevo MD produces unparalleled image resolution. Resolution as fine as 30 µm. Yes, 30 µm. That is less than half the size of a grain of sand.

FUJIFILM SonoSite · M-Turbo

Mode B mode, M mode, Tissue Harmonic Imaging, Velocity Color Doppler, Color Power Doppler, PW, PW Tissue Doppler, CW
Scan format Linear, curved and phased array, multiplane TEE and micro-convex
Transducer inputs 1 for main unit, 3 with TTC option
Weight 3.4 kg

Highlights
The M-Turbo's engineered for striking image quality, durability and ease of use. It lets you visualise detail, improving your ability to differentiate structures, vessels and pathology. The M-Turbo ultrasound system offers an advanced set of features with a wide array of connectivity options that seamlessly connects you to hospital information networks and your own PC.

FUJIFILM SonoSite · NanoMaxx

Mode B mode, M mode, Color Doppler, Color Power Doppler
Scan format Linear, curved and phased array
Transducer inputs 1
Weight 2.7 kg

Highlights
With its unique one-button control, high-quality diagnostic imaging, and full-color flow mapping, the NanoMaxx ultrasound system is designed to address the needs of physicians making key clinical decisions or guiding interventional procedures. It's portable & incredibly tough, has an easy to disinfect splash resistant touch screen interface and combines performance with affordability and simplicity.

GE Healthcare · LOGIQ E9 XDclear 2.0

Modus B-mode, M-mode, Doppler, CFM, HiRes Contrast, TVI, Stress Echo, Auto-IMT, Doppler, Shear Wave Elastography, LOGIQView, realtime 4D, Volume Navigation, Needle Tracking, B-Flow / B-Flow Color, Parametric Imaging
Scan format Linear, convex, microconvex, sector phased array, 3D/4D, intra-operative, biopsy convex, TEE
Transducer inputs 4

Highlights
- Extraordinary Images: Agile ultrasound beamformer with acoustic models, XDclear and matrix array transducer technology, CrossXBeam, SRI, 22"High-Res widescreen OLED display
- Expert Tools: contrast imaging with HiRes + amplitude modulation settings, Strain elastography + PDI with quantification, realtime 4D in CEUS mode, Volume Navigation with fusion, 3D GPS + Needle Tracking
- Easy Workflow: Scan Assistant, raw data imaging, Q&R with multimodality imaging navigation

GE Healthcare · LOGIQ S8 XDclear 2.0

Modus B-mode, M-mode, Doppler, CFM, Contrast, TVI, Stress Echo, Auto-IMT, Doppler, Shear Wave Elastography, LOGIQView, realtime 4D, Volume Navigation, Needle Tracking, B-Flow/B-Flow Color, Parametric Imaging, Quick Start
Scan format Linear, convex, microconvex, sector phased array, 3D/4D, intra-operative, biopsy convex, bi-plane TRT, TEE
Transducer inputs 4 active ports + 1 parking slot

Highlights
- Superb imaging: S-Agile ultrasound beamformer, XDclear and matrix array transducer technology, contrast imaging with amplitude modulation + optional HiRes settings, elastography with quantification, B-flow imaging, 22" High-Res widescreen OLED display
- Simplified workflow: slim and light console, fully flexible configuration, Scan Assistant, raw data imaging
- Scalable to your needs: wide applications coverage to maximize scan productivity, scanning on battery, integrated FibroScan module

GE Healthcare · LOGIQ S7 XDclear

Modus B-mode, M-mode, Doppler, CFM, Contrast, TVI, Stress Echo, Auto-IMT, Elastography, LOGIQView, realtime 4D, B-Flow/B-Flow Color, Parametric Imaging, Quick Start
Scan format Linear, convex, microconvex, sector phased array, 3D/4D, bi-plane TRT, TEE
Transducer inputs 4

Highlights
- Sensational Performance: S-Agile ultrasound beamformer, XDclear + matrix array transducer technology, image optimization tools, AutoTGC
- Smart Design: slim and light console, 23" High-Res widescreen display, 10.1" Touch Panel, raw data imaging, Compare Assistant, fully flexible configuration, enhanced portability
- Specialized Capabilities: a wide range of clinical packages like B-Flow, elastography with quantification, contrast imaging with amplitude modulation, B-Steer+, STIC + OmniView, scanning on Battery

GE Healthcare · LOGIQ P7 / P9 R2

Modus B-mode, M-mode, Doppler, CFM, Contrast (LP9) TVI, Stress Echo, Auto-IMT, Elastography, LOGIQ-View, realtime 4D, B-Flow/B-Flow Color, Quick Start

Scan format Linear, convex, microconvex, sector phased array, 3D/4D, bi-plane TRT

Transducer inputs 3+1 optional (LP7), 4 (LP9)

Highlights

- Personalized: intuitive console controls, personalized digital user interface "My Page", programmable 'User Defined' keys
- Patient-centric: Excellent image quality with minimal tweaking, superb B-mode spatial + contrast resolution, wide selection of high quality probes, excellent exam coverage, advanced imaging tools
- Practical: Compact, lightweight design, large 21.5" monitor and accessible 10.4" touchscreen, digital TGC +digital keyboard, automated tools, scanning on battery

GE Healthcare · LOGIQ F8

Modus B-mode, tissue harmonics, M-mode, Color-M-mode, CFM, Power Doppler Imaging (PDI), directional PDI, PW-Doppler with High-PRF, scan assistant, scan coach; optional: anatomical M-mode, CW-Doppler, LogiqView, TVI Mode, 3D/4D

Scan format Convex, linear, microconvex, sector phased array, realtime 4D volume

Transducer inputs 3 (4 optional)

Highlights

- Outstanding display properties as well as numerous innovative assistance functions support a confidant diagnosis
- Compatible with a wide range of transducers and different software packages
- Can be used in nearly all medical disciplines

GE Healthcare · LOGIQ P6

Modus B-mode, M-mode, CFM-mode, Doppler, B-flow color, coded contrast harmonic, stressecho, EKG, anatomical M-mode, 3D/4D

Scan format Linear, convex, microconvex, sector phased array, trapezoid

Transducer inputs 3

Highlights

Compact shared service system; B-flow color (digitally substraction technique); CrossXBeam realtime compound and speckle reduction imaging; LOGIQView (panoramic imaging); Auto optimize (For B-mode, color, Doppler); Digital archive with RawData support; Matrix array transducer support; Elastography

GE Healthcare · Venue 50

Modus B-mode, M-mode, CFM-mode

Scan format Linear, convex, phased array

Transducer inputs 1 (expandable to 3 with Cart)

Highlights

- High-performance tablet with sleek and portable design easily fits into tight spaces
- The single-surface screen can be easily cleaned and disinfected
- Offers PinpointTM GT*, an advanced needle guidance technology that provides greater control over needle placement with twice the accuracy of conventional ultrasound needle guidance. Flexible data management and connectivity options, with optional DICOMTM, help speed image storage and archiving for physicians at the Point of Care. Ophthalmic mode & Needle recognitional patient bedside.

GE Healthcare · LOGIQ e R7

Modus B-Mode, M-mode, CFM, PDI, PWD,Easy3D, LOGIQview, Needle Enhancement, Stress Echo, eSmart Trainer, Auto IMT, Flow Quantitative Analysis, Patient Follow-up Tool with fusion, CWD, Anatomical M-Mode, TVI/TVD, High Res PDI, Opthalmic

Scan format Linear, convex, microconvex, sector phased array, trapezoid, TEE

Transducer inputs 1 (expandable to 3 with Cart)

Highlights

- Portable premium system with shared service capabilities
- Unique 4 button transducer (L4-12t) which offers you a 3rd hand
- Needle recognition feature for a better needle imaging
- CrossXBeam, B-steer and SRI imaging
- LOGIQ view (panoramic imaging)
- High frequency imaging up to 22 MHz for vascular and musculoskeletal exams
- Musculoskeletal suite with 2D PDI quantification and patient follow up settings

GE Healthcare · Vscan Extended

Modus B-Mode, CFM

Scan format Unique Dual Probe – Linear & Phased array in 1 probe

Weight 430 g

Highlights

- Its pocket-sized portability – one-hand operation
- Patient imaging – immediately and non-invasively – for basic or focused assessment
- Can be used during routine periodic monitoring and triage assessments or during procedural guidance as well the use in the home healthcare environment
- Vscan Extend app available (e.g. Lung Protocol & Assisted bladder volume measurement)
- Vscan Extend is offering WIFI & DICOM connectivity configurations
- Harmonic Imaging & Color Doppler – able to differentiate between stationary and flowing liquids

ULTRASOUND

GE Healthcare · Invenia ABUS

Modus B-Mode Automated scanning

Scan format Reverse Curve transducer, 15 cm wide field-of-view high-frequency transducer

Highlights

- Clinical Excellence: Screening with ABUS has a 57 % relative increase in invasive breast cancers identified in dense breast tissue using supplemental ABUS[1]
- Powerful Imaging Architecture for user-independent and standardized Volume acquisition
- Innovative Technology: Reverse Curve Transducer with One Button automation
- CE/FDA approved for Screening and Diagnosis

[1] *Wilczek, Leifland, et.al. Adding 3D Automated Breast Ultrasound to mammography screening in women with heterogeneously and extremely dense breasts. Report from a hospital-based, high-volume, single-center breast cancer screening program. European Journal of Radiology 85 (2016) 1554–1563*

Hitachi · HI VISION Ascendus

Mode B & M-mode; omnidirectional M-mode; PW and CW Doppler; Dual Gate Doppler; color and power Doppler; FineFlow-mode; triplex; TDI; shear wave and strain elastography; contrast harmonic imaging; freehand 3D; 4D; Real-time Virtual Sonography; Real-time Bi-plane

Scan format Sector, linear and convex array, 360° electronic radial scanning, trapezoid, B-steer, dual imaging, WideView panoramic, HI-Definition Zoom, pan Zoom; Picture in Picture

Transducer inputs 4 active ports

Highlights

- Award-winning, ergonomic design
- Graphical user interface incorporating smart tab menus, image thumbnails and touchscreen panel for image optimisation
- Advanced signal processing for all-round high performance imaging
- Optional expert modalities such as strain elastography, CEUS and multi-modality fusion imaging
- Supports leading edge technologies such as Shear Wave Measurement and 4D-elastography

Hitachi · ProSound F75

Mode B & M-mode; free angle M-mode; PW and CW Doppler; color and power Doppler; eFlow-Flow Emphasis; triplex-mode; TDI and 2DTT; RT-Elasto; BbH tissue & contrast; RT-3D-tissue and contrast; freehand 3D

Scan format Sector, linear, convex, trapezoid, ext. Field of View

Transducer inputs 4 active ports

Highlights

- Unique ergonomic design for wide applications range
- AutoIMT, NT, eTracking and WI, contrast analysis
- Hi-Freq compound probe for MSK and SmallPart
- New eFlow morphological tool for high sensitivity microvascular map
- eTracking / Wave Intensity for easy artery stiffness assessment
- Full 3D / 4D capabilities in a variety of application including MSK, Small Parts and Cardiac with 3DTEE probe

Hitachi · ARIETTA V70

Mode B & M-mode; free angle M-mode; PW and CW Doppler; Triplex; Dual Gate Doppler; TDI; color and power Doppler; eFlow-Flow Emphasis; SWM and strain Elastography; Contrast Harmonic Imaging; Free Hand 3D; 4D; Real-time Virtual Sonography

Scan format Sector, linear and convex array, 360° electronic radial scanning, trapezoid, B-steer, dual imaging, Dual Slow-Motion Display, Wideview panoramic, HI-Definition Zoom, pan Zoom; Picture in Picture

Transducer inputs 4 active ports

Highlights

- Multi-disciplinary platform, ergonomic design
- Symphonic Technologies underpin high quality of diagnostic images
- High quality 21" IPS-PRO high contrast monitor
- Wide range of transducers for interventional guidance, urology and TEE applications
- Advanced modalities: SWM, Real-time Elastography, CEUS, RVS Fusion, 3D SIM Navigator
- Advanced analysis: Time Intensity Curve, eTracking/Wave Intensity, 2D Tissue

Hitachi · ARIETTA V60

Mode B & M-mode; free angle M-mode; PW and CW Doppler; Triplex; Dual Gate Doppler; TDI; color and power Doppler; eFlow-Flow Emphasis; Elastography; Contrast Harmonic Imaging; Free Hand 3D; 4D

Scan format Sector, linear and convex array, 360° electronic radial scanning, trapezoid, B-steer, dual imaging, Dual Slow-Motion Display, Wideview panoramic, HI-Definition Zoom, pan Zoom; Picture in Picture

Transducer inputs 3 active ports

Highlights

- Lightweight compact multi-disciplinary platform with ergonomic design
- Symphonic Technologies underpin outstanding image quality
- High quality 17 inch IPS-PRO LCD
- Wide range of transducers include interventional guidance, urology and TEE applications
- Advanced modalities & analysis: Strain Elastography, CEUS, Time Intensity Curve, eTracking

Hitachi · ARIETTA 850

Mode B, M, ODM; PW,CW Doppler; Dual Gate Doppler; color / power Doppler; eFlow mode; triplex; TDI; CEUS; freehand 3D; 4D, Fusion, RT Bi-plane

Scan format Sector, linear and convex array, 360° radial scanning, trapezoid, B-steer, dual/quad imaging, WideView, HI-Def Zoom, pan Zoom; Picture in Picture

Transducer inputs 4 active ports

Highlights

- Multi-disciplinary Premium platform, ergonomic design
- Pure Image Symphonic Architecture
- 22" OLED monitor for highest contrast
- Wide range of transducers for GI, interventional guidance, urology and TEE applications
- Advanced modalities: SWM, Real-time Elastography, CEUS, RVS Fusion, 3D SIM navigator, E-field Simulator, Needle and Body Motion tracking
- Advanced analysis: TIC, eTracking, WI, 2DTT, Protocol assistant, Auto Measurements

Hitachi · ARIETTA Precision

Mode	B, Dual (DDD, DSD), Quad, B / M, B / PW, B / CW, Triplex, M, Free angular M, PW, CW, Colour Flow, Power Doppler, eFlow, TDI
Scan format	Sector, linear and convex array, trapezoid, panoramic field of view, 360° FOV
Transducer inputs	3 active ports
Weight	Total components approx. 30 kg

Highlights

- For surgical use, full range of transducers
- High image quality - uses same advanced image processing technologies as high-end systems
- 21.5 inch monitor incorporates a full touch panel
- Tablet-style remote allowing a flexible layout in the OR
- Simple and intuitive to use with automatic image optimisation and presets
- All parts fully compatible with commonly-used disinfectant procedures

Hitachi · ARIETTA Prologue

Mode	B, B-Zoom, Dual (DDD, DSD), Quad, B / M, B / PW, B / CW, Triplex, M, Free angular M, PW, CW, Colour Flow, Power Doppler, eFlow, TDI, Needle Emphasis
Scan format	Sector, linear and convex array, trapezoid, Extended Field of View
Transducer inputs	1 smart connector
Weight	4.5 kg

Highlights

- For POC use
- Compact design, high mobility, in-built battery for portable use
- Simple and intuitive to use, tablet-style with touch screen control
- Hand carry, can be used with probe tray or cart
- Ethernet, Wi-Fi, Bluetooth network connections
- Option of 9 transducers, offers high quality imaging for a broad range of applications including MSK, rheumatology, emergency medicine, anaesthesiology

ULTRASOUND

Hitachi · HI VISION Preirus

Mode B & M-mode; omnidirectional M-mode; PW and CW Doppler; Dual Gate Doppler; color and power Doppler; FineFlow mode; triplex; TDI; real-time tissue elastography; contrast harmonic imaging; freehand 3D; 4D; Real-time Virtual Sonography; realtime Bi-plane

Scan format Sector, linear and convex array, 360° electronic radial scanning, trapezoid, B-steer, dual imaging, WideView panoramic, HI-Definition Zoom, pan Zoom; Picture in Picture

Transducer inputs 3 active ports

Highlights

- Three types tissue harmonic imaging (choice of frequencies)
- Award-winning, unique ergonomic design gives increased system flexibility
- Tissue adaptive filtering, HI Rez+ (8 levels) for speckle and noise reduction
- Compound imaging, HI Com (from multiple directions and different frequencies)
- Graphical user interface incorporating smart tab menus, image thumbnails and touchscreen panel for image optimisation

Hitachi · HI VISION Avius

Mode B & M-mode; omnidirectional M-mode; PW and CW Doppler; color and power Doppler; FineFlow-mode; triplex; TDI; real-time tissue elastography; contrast harmonic imaging; freehand 3D; 4D; simultaneous Bi-plane

Scan format Sector (phased), linear and convex array, 360° electronic radial scanning, trapezoid, B-steer, dual imaging, WideView panoramic, HI-Definition Zoom, pan Zoom; Picture in Picture

Transducer inputs 3 active ports

Highlights

- Three types tissue harmonic imaging (choice of frequencies)
- Tissue adaptive filtering, HI Rez+ (8 levels) for speckle and noise reduction
- Compound imaging, HI Com (from multiple directions and different frequencies)
- Graphical user interface incorporating smart tab menus, image thumbnails for image optimisation
- PSS, patient specific scanning selector

Hitachi · ProSound Alpha 6

Mode B & M-mode; free angle M-mode; PW and CW Doppler; color and power Doppler; eFlow; DDD; triplex-mode; TDI; broadband tissue & contrast harmonic; RT-3D; freehand 3D

Scan format Sector, linear and convex array, trapezoid, ext. Field of View

Transducer inputs 3 active ports

Highlights

- Powerful, friendly and compact for wide range applications
- Automated measurement for IMT, NT, eTracking and WI, contrast analysis
- Full control of sound velocity for a perfect ocused imaging
- Wide range of features for Women's Health and perinatal imaging
- eTracking / Wave Intensity for easy artery stiffness assessment
- Full 3D / 4D capabilities for a variety of applications

Hitachi · Noblus

Mode B & M-mode; omnidirectional M-mode; PW and CW Doppler; color and power Doppler; FineFlow mode; triplex; TDI; real-time tissue elastography; contrast harmonic imaging; Freehand 3D; 4D; simultaneous Bi-plane

Scan format Sector, linear and convex array, 360° electronic radial scanning, trapezoid, B-steer, dual imaging, WideView panoramic, HI-Definition Zoom, pan Zoom

Transducer inputs Up to 3 active ports

Highlights

- Uses high-end technology migrated from HI VISION platforms
- Wide range of compatible transducers for many different clinical applications
- Premium image quality and advanced functions
- Flexibly designed in the form of a laptop PC with optional cart
- Unique space-saving design
- Tilt and swivel monitor
- Smart Touch feature for parameter adjustment by direct touch on image screen

Hitachi · F37

Mode B & M-mode; free angle M-mode; PW and CW Doppler; color and power Doppler; eFlow; DDD; triplex-mode; TDI; Broadband tissue Harmonic; RT-3D; freehand 3D, Freehand Color 3D

Scan format Sector, linear, convex, trapezoid, compound, AIP, ext. Field of View

Transducer inputs 3 active ports

Highlights

- Easy and compact for wide applications range
- 4D Shading
- Spatial Compound Imaging
- Trapezoid scan
- Adaptive Image Processing (AIP)
- Silky Image Processing (SIP)
- Needle Emphasis
- Dynamic Slow-Motion Display
- Automated measurement for IMT, NT, Free Angle M-mode
- DICOM SR and Raw Data

Hitachi · F31

Mode B & M-mode; free angle M-mode; PW and CW Doppler; color and power Doppler; eFlow; DDD; triplex-mode; TDI; Broadband tissue Harmonic; freehand 3D, Freehand Color 3D

Scan format Sector, linear, convex, trapezoid, compound, AIP, ext. Field of View

Transducer inputs 3 active ports

Highlights

- Easy and compact for wide applications range
- Spatial Compound Imaging
- Trapezoid scan
- Adaptive Image Processing (AIP)
- Dynamic Slow-Motion Display
- Automated measurement for IMT, NT, Free Angle M-mode
- DICOM SR and Raw Data

Hitachi · iVu SOFIA – 3D Breast Ultrasound System

Scan format Radial scanning
Mode Review using radial 2D, 3D, and MPR images
Transducer inputs 92 mm linear transducer, frequency range 5 – 13 MHz

Highlights
- Ultrafast automated bilateral whole breast 3D image acquisition (< 1 min/breast)
- Compatible with Noblus, ARIETTA V70, V60 and 92 mm Broad Band Linear Transducer
- Adjunct to mammography for dense breast patients
- Whole breast 3D imaging for patients where mammography is contraindicated
- Identification of bilateral and multi-focal disease
- Comfortable exam in prone position, radial image acquisition

Konica Minolta · Sonimage HS1

Mode B, M, Colour Flow, Power D, PW, CW
Scan format Linear, convex, sector
Weight 7.8 kg

Highlights
- Triad Tissue Harmonic Imaging (3THI)
- SNV – Simple Needle Visualization
- Newly developed multi-frequency probes up to 18 Mhz
- Portable system with built-in battery
- Start-up from standby within 15 seconds
- Excellent for MSK / orthopaedic, nerve, vascular and anaesthesia
- Rotatable and tiltable 15 inch touchscreen

Mindray Medical · Resona 7

Mode B, C, M, PW, CW, Power (DirPower), TDI, CM (Color M), 4D, V Flow(Vector Flow)
Scan format Single Crystal Convex, Single Crystal Phased Array, Matrix Linear, Phased array, convex, Linear, endo-cavity, convex volume, endo-cavity volume
Transducer inputs 1 – 20 MHz

Highlights
- Powered by ZST^{+} platform, the next generation ZONE Sonography Technology based on Channel Domain Software processing.
- A premium ultrasound system that helps customers to see more.
- Faster and more accurate images.
- Complete functionality for Radiology and clinical research
- Multi-modality diagnosis with Fusion

Mindray Medical · Resona 6

Mode B, C, M, PW, CW, Power (DirPower), TDI, CM (Color M), 4D, V Flow (Vector Flow)
Scan format Single Crystal Convex, Single Crystal Phased Array, Matrix Linear, Phased array, convex, Linear, endo-cavity, convex volume, endo-cavity volume
Transducer inputs 1 – 18 MHz

Highlights
- Powered by ZST+ platform, the next generation ZONE Sonography Technology based on Channel Domain Software processing.
- A premium ultrasound system that helps customers to see more.
- Faster and more accurate images.
- Complete functionality for Radiology and clinical research
- Multi-modality diagnosis with Fusion

Mindray Medical · DC-8 Exp

Mode B, C, M, PW, CW, Power (DirPower), TDI, CM (Color M), 4D
Scan format Single Crystal Convex, Single Crystal Phased Array, Matrix Linear, Phased array, convex, Linear, endo-cavity, convex volume, endo-cavity volume, Pedoff, TEE
Transducer inputs 1 – 16 MHz

Highlights
- Brand new imaging architecture for more powerful and intelligent processing
- Advanced transducer series for maximised penetration
- Encompass a comprehensive range of clinical exams including abdominal, OB / GYN and small parts
- Intelligent auto optimisation to achieve best imaging setting in one keystroke
- Standard workflow protocol to improve exam consistency and efficiency

Mindray Medical · DC-8

Mode B-mode, M-mode, color-mode, power-mode, PW / CW Doppler-mode
Scan format linear, convex, phased array, micro-convex, endo-cavity, 4D-volume
Transducer inputs 2 – 15 MHz

Highlights
- Touchscreen
- Elastography
- Free Xros M-mode: anatomic M-mode
- TDI
- IMT
- iNeedle: needle visualization enhancement
- 3D / 4D-imaging
- iWorks: auto workflow protocol

ULTRASOUND

Mindray Medical · DC-70 Exp

Mode B, C, M, PW, CW, Power (DirPower),TDI, CM (Color M), 4D
Scan format Single Crystal Phased Array, Matrix Linear, Phased array, convex, Linear, endo-cavity, convex volume, endo-cavity volume, Pedoff, TEE
Transducer inputs 1 – 16 MHz

Highlights
- 10.4" Gesture sensitive touch screen designed to improve workflow
- Quality exams guaranteed by single crystal 3T transducer technology and Echo-enriched beamformer
- Obtain realistic view of the fetus via iLive technology
- MedSight & MedTouch interactive app to transfer clinical images via iOS or android powered smart device
- Range of application specific auto measurement packages to improve productivity

Mindray Medical · DC-70

Mode B, C, M, PW, CW, Power (DirPower),TDI, CM (Color M), 4D
Scan format Convex, Phased Array, Linear,endo-cavity, convex volume, endo-cavity volume, Pedoff
Transducer inputs 2 – 14 MHz

Highlights
- 10.4" Gesture sensitive touch screen designed to improve workflow
- Quality exams guaranteed by 3T transducer technology and Echo-enriched beamformer
- Obatain realistic view of the fetus via iLive technology
- MedSight, interactive app to transfer clinical images via iOS or android powered smart device
- Range of application specific auto measurement packages to improve productivity

Mindray Medical · DC-7

Mode B-mode, M-mode, color-mode, power-mode, PW / CW Doppler-mode
Scan format TEE, linear, convex, phased array, micro-convex, endo-cavity, 4D-volume
Transducer inputs 2 – 15 MHz

Highlights
- Touchscreen
- Free Xros M-mode: anatomic M-mode
- Stress Echo
- TDI and QA
- Free Xros CM: curved anatomic M-mode
- IMT
- 3D / 4D-imaging

Mindray Medical · M9

Mode B, C, M, PW, CW, Power(DirPower), TDI, CM (Color M)
Scan format Single Crystal Phased Array, Linear, Phased array, convex,endo-cavity, Pedoff, TEE
Transducer inputs 1 – 16 MHz

Highlights
- Advanced premium level laptop style color Doppler offering easy handling and mobility
- Rich in technology such as 3T transducer with single crystal and high dynamic range flow
- Ideal shared-service solution suitable to be used within muptiple clinical settings
- Intelligent workflow with iTouch (one key image optimisation)
- User-defined operation to improve work efficiency

Mindray Medical · M7 Premium

Mode B-mode, M-mode, color-mode, power-mode, PW / CW Doppler-mode
Scan format TEE, linear, convex, phased array, micro-convex, endo-cavity, 4D-volume
Transducer inputs 2 – 16 MHz

Highlights
- 15" LCD monitor
- Free Xros M-mode: anatomic M-mode
- Contrast imaging
- Elastography imaging
- Stress Echo
- TDI and QA
- Free Xros CM: curved anatomic M-mode
- IMT
- iNeedle: needle visualization enhancement

Mindray Medical · M7

Mode B-mode, M-mode, color-mode, power-mode, PW / CW Doppler-mode
Scan format TEE, linear, convex, phased array, micro-convex, endo-cavity, 4D-volume
Transducer inputs 2 – 16 MHz

Highlights
- 15" LCD monitor
- Free Xros M-mode: anatomic M-mode
- Anatomic M-mode
- Stress Echo
- TDI and QA
- Free Xros CM: curved anatomic M-mode
- IMT
- iNeedle: needle visualization enhancement
- 3D / 4D-imaging

Mindray Medical · TE7

Mode B, C, M, PW, CW, Power (DirPower), CM (Color M)
Scan format Convex, Phased array, Linear, endo-cavity, endo-cavity volume, Pedoff, TEE
Transducer inputs 2 – 16 MHz
Weight 2.5 kg

Highlights
- Touch enabled repsonse providing simple control and setting optimization
- Touch-screen gestures such as pinch to zoom in or out
- Three second boot up from standby and swift touch response of settings
- Equipped with efficiency-boosting features iNeedle, iZoom, iTouch and Smart Track
- Easy to transport and store, can be mounted on trolley, desktop table or wall

Mindray Medical · TE5

Mode B, C, M, PW
Scan format Convex, Linear
Transducer inputs 2 – 20 MHz

Highlights
- Touch enabled response providing simple control and setting optimization
- Touch-screen gestures such as pinch to zoom in or out
- Three second boot up from standby and swift touch response of settings
- Equipped with efficiency-boosting features iNeedle, iZoom, iTouch and Smart Track
- Easy to transport and store, can be mounted on trolley, desktop table or wall

Mindray Medical · Z.One PRO

Mode B, C, M, PW, CW, Power (DirPower), TDI
Scan format Phased array, convex, Linear, endo-cavity, TEE, Pedoff
Transducer inputs 1 – 14 MHz
Weight 66 kg

Highlights
- ZONE Sonography Technology (ZST) featured
- Focused image across the full field of view
- Faster acoustic acquisition
- Patient specific imaging
- Novel Techniques
- Mobile system with battery

Mindray Medical · ZS3

Mode B, C, M, PW, CW, Power (DirPower), TDI
Scan format Phased array, convex, Linear, endo-cavity, TEE, Pedoff
Transducer inputs 1 – 20 MHz
Weight 66 kg

Highlights
- ZONE Sonography Technology (ZST) featured
- Focused image across the full field of view
- Faster acoustic acquisition
- Patient specific imaging
- Novel Techniques
- Mobile system with battery
- High frequency linear transducer
- Contrast enhanced ultrasound imaging

Mindray Medical · DC-N3 Pro

Mode B, C, M, PW, CW, Power (DirPower), TDI, CM (Color M), 4D
Scan format Convex, Phased Array, Linear, convex volume, endo-cavity, Pedoff
Transducer inputs 2 – 14 MHz

Highlights
- Exceptional image quality to enhance diagnostic confidence
- 4D capability with various rendering modes and iPage (multi-slice imaging)
- Auto Intima-Media Thickness measurement, to deliver a reliable carotid analysis
- Tissue Doppler Imaging and Free Xros CM for comprehensive cardiac diagnosis
- iPower, iRoam and full DICOM compatibility providing you with state of the art connectivity

Mindray Medical · DC-N3

Mode B, C, M, PW, CW, Power (DirPower), TDI, CM (Color M), 4D
Scan format Convex, Phased Array, Linear, convex volume, endo-cavity, Pedoff
Transducer inputs 2 – 14 MHz

Highlights
- Exceptional image quality to enhance diagnostic confidence
- 4D capability with various rendering modes and iPage (multi-slice imaging)
- Auto Intima-Media Thickness measurement, to deliver a reliable carotid analysis
- Tissue Doppler Imaging and Free Xros CM for comprehensive cardiac diagnosis
- iPower, iRoam and full DICOM compatibility providing you with state of the art connectivity

ULTRASOUND

Mindray Medical · DC-T6

Mode B / 2B / 4B, B / M, B / C, B / C / PW
Scan format Convex, Linear, endo-cavity, convex volume
Transducer inputs 2 – 15 MHz

Highlights
- 3T transducer technology
- Octal beam formation, phase shift THI
- 4D-imaging with iPage function
- iNeedle: needle visualization enhancement
- TDI with quantitative analysis
- Free Xros CM: curved anatomic M-mode
- iPower: intelligent power solution with built-in battery
- iTouch: intelligent image optimization for B-, color- and PW-mode
- iZoom: automatically expand the image to full screen

Mindray Medical · DP-50

Mode B-mode, B / B-mode, 4B-mode, M-mode, B / M-mode
Scan format Linear, micro-convex, convex, trans-vaginal, trans-rectal, bi-plane
Transducer inputs 2 – 15 MHz

Highlights
- Sleek, streamlined, compact shape
- High resolution, wide-angle 15" LCD with tilt functionality for better viewing
- iBeam spatial compounding imaging
- Phase shift harmonic imaging
- iTouch auto optimization
- IMT auto measurement
- iStation patient information management system

Mindray Medical · DC-60

Mode B, C, M, PW, CW, Power (DirPower),TDI, CM (Color M), 4D
Scan format Convex, Phased Array, Linear, endo-cavity, convex volume, endo-cavity volume, Pedoff
Transducer inputs 2 – 14 MHz

Highlights
- 10.4" Gesture sensitive touch screen designed to improve workflow
- Quality exams guaranteed by 3T transducer technology and Echo-enriched beamformer
- Obtain realistic view of the fetus via iLive technology
- MedSight, interactive app to transfer clinical images via iOS or android powered smart device
- Range of application specific auto measurement packages to improve productivity

Samsung · RS80A with Prestige

Mode 2D, M, Color, Color M, PD, S-Flow, PW / CW, TDI / TDW, Anatomical M, 3D / 4D
Scan format Convex, Linear, Phased, 3D / 4D, Pencil
Transducer inputs 4

Highlights:
- Premium system that offers superior imaging performance for Radiology
- Diagnostic guidance tool (S-Detect)
- Multi-modality fusion (S-Fusion)
- Contrast enhanced ultrasound (CEUS+)
- Quantitative measurement tools (S-Shearwave, S-3D Arterial Analysis)
- Elastography for breast with strain ratio (E-Breast, E-Strain)
- Needle guidance tools (S-Tracking, Needle Mate+)
- 23" LED monitor / 13.3" tilting touch screen

Samsung · WS80A with Elite

Mode 2D, M, Color, Color M, PD, S-Flow, PW / CW, Anatomical M, 3D / 4D
Scan format Convex, Linear, Phased, 3D / 4D
Transducer inputs 4

Highlights:
- Premium system with innovative technologies for women's health
- Superb image quality through enhanced 3D imaging engine
- Efficient diagnosis with 5D solutions (5D Heart Color, 5D CNS+, 5D Follicle, 5D NT, 5D Limb Vol.)
- Innovative volume rendering technologies (Crystal Vue Flow, Crystal Vue)
- Ovarian tumor classification tool (IOTA-ADNEX)
- Elastography for breast with strain ratio (E-Breast, E-Strain)

Samsung · HS70A with Prime

Mode 2D, M, Color, Color M, PD, S-Flow, PW / CW, TDI / TDW, Anatomical M, 3D / 4D
Scan format Convex, Linear, Phased, 3D / 4D, Pencil
Transducer inputs 4

Highlights:
- Superb image quality through S-Vision imaging engine and S-Vue transducers
- Diagnostic guidance tool (S-Detect)
- Contrast enhanced ultrasound (CEUS+)
- Quantitative measurement tools (S-Shearwave, Arterial Analysis)
- Elastography for breast with strain ratio (E-Breast, E-Strain)
- Cardiac solutions (Strain+, Stress Echo)
- Needle guidance technology (Needle Mate+)
- 23" LED monitor / 10.1" touch screen

Samsung · HS60

Mode 2D, M, Color, Color M, PD, S-Flow, PW / CW, TDI / TDW, Anatomical M, 3D / 4D
Scan format Convex, Linear, Phased, 3D / 4D, Pencil
Transducer inputs 4

Highlights:
- High-end system with versatile diagnostic solutions
- Superior imaging technologies (S-Harmonic, ClearVision, S-Flow)
- Elastography for breast with strain ratio (E-Strain)
- Cardiac solution (Strain+)
- Needle guidance technology (Needle Mate+)
- User-oriented features (Quick Preset, EZ-Exam+, QuickScan)
- 21.5" LED monitor / 10.1" touch screen

Samsung · Accuvix A35

Mode 2D, M, Color, Color M, PD, DPDI, PW / CW, TDI / TDW, Anatomical M, 3D / 4D
Scan format Convex, Linear, Phased, 3D / 4D, Pencil
Transducer inputs 4

Highlights:
- High-end system, designed to deliver excellent performance
- Advanced imaging technologies (DMR+, HDVI, DPDI)
- Highly sensitive elastography (ElastoScan)
- Elasticity contrast index calculation tool for thyroid (E-Thyroid)
- Convenient 3D functions (FRV, FAD, SFVI, SmoothCut)
- Contrast enhanced ultrasound (Low-MI)
- 23" LED monitor / 9" touch screen

Samsung · HS50

Mode 2D, M, Color, Color M, PD, S-Flow, PW / CW, TDI / TDW, Anatomical M, 3D / 4D
Scan format Convex, Linear, Phased, 3D / 4D, Pencil
Transducer inputs 4

Highlights:
- Slim and compact system for wide applications range
- Superior imaging technologies (S-Harmonic, ClearVision, S-Flow)
- Highly sensitive elastography (ElastoScan)
- Needle guidance technology (Needle Mate+)
- User-oriented features (Quick Preset, EZ-Exam+, QuickScan)
- 21.5" LED monitor / 10.1" touch screen

Samsung · H60

Mode 2D, M, Color, Color M, PD, S-Flow, PW / CW, Únatomical M, 3D / 4D
Scan format Convex, Linear, Phased, 3D / 4D, Pencil
Transducer inputs 4

Highlights:
- Slim and compact design for better use of space
- Superb image quality through hybrid imaging engine and S-Vue transducers
- Advanced imaging technologies (ClearVision, S-Flow)
- Convenient 3D functions (XI-STIC, 3D XI)
- Needle guidance technology (Needle Mate, Beam Steer)
- Semi-automated bodymark tool (e-Motion Marker)
- 21.5" LED monitor / 10.1" touch screen

Samsung · HS40

Mode 2D, M, Color, Color M, PD, S-Flow, PW / CW, TDI / TDW, Anatomical M, 3D / 4D, Freehand 3D
Scan format Convex, Linear, Phased, 3D / 4D, Pencil
Transducer inputs 4

Highlights:
- Fully equipped for everyday efficiency
- Excellent imaging technologies (S-Harmonic, ClearVision, MultiVision)
- Simple and accurate intima-media thickness measurement (Auto IMT+)
- Cardiac solution (Strain+)
- Needle guidance technology (Needle Mate+)
- Easy-to-use tools (Quick Preset, EZ-Exam+, QuickScan)
- 21.5" LED monitor / 10.1" touch screen

Samsung · Sonoace R7

Mode 2D, M, Color, Color M, PD, DPDI, PW / CW, TDI / TDW, Anatomical M, 3D / 4D
Scan format Convex, Linear, Phased, 3D / 4D, Pencil
Transducer inputs 3

Highlights:
- Efficient system in a minimal form
- Improved image quality through multi-beam-forming
- Advanced imaging technologies (DMR+, DPDI)
- Highly sensitive elastography (ElastoScan)
- Various live 3D / 4D ultrasound features (3D XI)
- Cardiac solutions (Strain, Stress Echo)
- Simple and accurate intima-media thickness measurement (Auto IMT)
- 19" LED monitor

ULTRASOUND

Samsung · HM70A with Plus

Mode 2D, M, Color, PD, S-Flow, PW / CW, 3D / 4D
Scan format Convex, Linear, Phased, 3D / 4D, Pencil
Transducer inputs 3

Highlights:
- Laptop design to suit various diagnostic environments
- Advanced imaging technologies (ClearVision, HDVI, S-Flow, SFVI)
- Highly sensitive elastography (ElastoScan)
- Convenient 3D functions (3DXI, SFVI, MagiCut)
- Needle guidance technology (Needle Mate)
- Fast booting within 20 sec
- Full screen mode
- 15" LED monitor / Optional cart (3 transducer ports / extended battery)

Samsung · PT60A

Mode 2D, M, Color, PD, PW
Scan format Convex, Linear, Phased
Transducer inputs 3

Highlights:
- Improved point-of-care usability with tablet design
- Advanced imaging technology (ClearVision)
- Needle guidance technology (Needle Mate)
- Simple and accurate intima-media thickness measurement (Auto IMT)
- 10.1" LED full touch screen monitor / Lightweight (3.6 kg) / Long battery life (80 Min)
- Optional cart (height-adjustable / 3 transducer ports / printer space)

Samsung · Sonoace R3

Mode 2D, M, Color, Color M, PD, PW
Scan format Convex, Linear
Transducer inputs 2

Highlights:
- Portability combined with essential imaging capabilities for various applications
- Advanced imaging technologies (FSI, SRF)
- Workflow improving tools (QuickScan, shortcut keys)
- Wide dynamic range
- 15" LED monitor
- Optional cart (height-adjustable / transducer holders / printer space)

Siemens Healthineers · ACUSON S3000 HELX Evolution

Mode 2D and Native tissue harmonic imaging (THI), 3D / 4D imaging, color Doppler velocity, color Doppler energy, color M-mode and tissue harmonic imaging (THI), M-mode and color Doppler velocity, anatomical M-mode, PW and CW Doppler, elastography / ARFI, CEUS
Scan format Linear, curved / convex, phased array, endo-cavity, pencil
Transducer inputs 3 ports for micro-pinless transducers, 1 parking, 1 pencil

Highlights
- Superior imaging performance in General Imaging and Interventional Radiology with next generation HD transducer technology
- Advanced applications to expand clinical capabilities: eSieFusion multi-modality imaging, ARFI shear wave & manual elastography, contrast-enhanced ultrasound
- Intuitive, user-centric workflow design with simplified control panel to eliminate unnecessary keystrokes

Siemens Healthineers · ACUSON S2000 HELX Evolution

Mode 2D and Native tissue harmonic imaging (THI), 3D / 4D imaging, color Doppler velocity, color Doppler energy, M-mode and tissue harmonic imaging (THI), M-mode and color Doppler velocity, anatomical M-mode, PW and CW Doppler, elastography / ARFI, CEUS
Scan format Linear, curved/convex, phased array, endo-cavity, pencil
Transducer inputs 3 ports for micro-pinless transducers, 1 parking, 1 pencil

Highlights
- Superior imaging performance in General Imaging and Women's Health with next generation HD transducer technology
- Advanced applications to expand clinical capabilities: Automated Breast Volume Scanning (ABVS) enabled, ARFI shear wave and manual elastography, contrast-enhanced ultrasound
- Intuitive, user-centric workflow design with simplified control panel and eSieScan workflow protocols

Siemens Healthineers · ACUSON S2000 Breast Volume Scanner

Mode 2D and Native tissue harmonic imaging (THI), 3D / 4D imaging, color Doppler velocity, color Doppler energy, M-mode and tissue harmonic imaging (THI), M-mode and color Doppler velocity, anatomical M-mode, PW and CW Doppler, elastography / ARFI
Scan format Linear, ABVS module (15.4 x 16.8 cm)
Transducer inputs 3 micro-pinless transducer ports, 1 parking,

Highlights
- Automated volume acquisition for operator-independent, standardized 3D imaging to enable consistent, reproducible results improving the quality of breast imaging
- Excellent 2D imaging capabilities using hand-held high-frequency HD transducers
- Advanced technologies to expand clinical capabilities: Manual and shear wave elastography, multi-modality review
- Read anytime. Anywhere. *syngo*.Ultrasound Breast Analysis reading software

Siemens Healthineers · ACUSON S1000 HELX Evolution

Mode 2D and Native tissue harmonic imaging (THI), 3D / 4D imaging, color Doppler velocity, color Doppler energy, M-mode and tissue harmonic imaging (THI), M-mode and color Doppler velocity, anatomical M-mode, PW and CW Doppler, elastography, CEUS

Scan format Linear, curved / convex, phased array, endo-cavity, pencil

Transducer inputs 3 micro-pinless transducer ports, 1 parking, 1 pencil

Highlights

- Excellent imaging performance with next generation HD transducer technology
- Advanced technologies to expand clinical capabilities: Manual elastography, multi-modality review, contrast-enhanced ultrasound
- Efficient workflow design with intuitive, user-centric interface, simplified control panel to reduce repetitive hand movements and eSieScan workflow protocols

Siemens Healthineers · ACUSON X700

Mode B-mode, phased and filtered THI, color, color velocity mode, Power Doppler, bi-directional power Doppler, pulsed wave spectral Doppler mode (PW), continuous wave spectral Doppler (CW), duplex, triplex, M-mode incl. color and anatomical I M-mode

Scan format Curved, phased & linear array, endo-cavity, 3D / 4D imaging

Transducer inputs Supports micro-pinless and DL type connectors

Highlights

- Excellent image quality with shared premium transducers and imaging technologies
- Fully-featured for adult and pediatric exams
- 3D / 4D imaging with new ergonomic, lightweight transducers

ULTRASOUND

Siemens Healthineers · ACUSON X600

Mode B-mode, phased and filtered THI, color, color velocity mode, power Doppler, bidirectional power Doppler, pulsed wave spectral Doppler mode (PW), continuous wave spectral Doppler (CW), duplex, triplex, M-mode incl. color and anatomical I M-mode

Scan format High density phased array, curved array and linear array, 2D

Transducer inputs 3 DL (260) type connectors

Highlights
- Optimized workflow to improve patient throughput
- QuickStart standby mode to facilitate rapid mobility between scanning rooms
- 3D / 4D imaging with new ergonomic, lightweight transducers

Siemens Healthineers · ACUSON X300 Premium Edition

Mode B-mode, color M-mode, M-mode, color Doppler velocity mode, Power Doppler mode, pulsed wave spectral Doppler mode (PW), continuous wave spectral Doppler mode (CW), duplex mode, triplex mode

Scan format Curved array, phased array, linear, endo-cavity, 3D / 4D imaging

Transducer inputs 3

Highlights
- Excellent imaging performance through excellent detail and contrast resolution
- High temporal resolution in 2D
- TGO tissue grayscale optimization technology for more consistent image quality
- High quality 4D imaging through Advanced FourSight technology
- Exceptional clinical performance across a variety of applications and patient body types
- Easy-to-use ErgoDynamic imaging system design

Siemens Healthineers · ACUSON X150

Mode B-mode, M-mode, color Doppler velocity mode, Power Doppler mode, pulsed wave (PW) spectral Doppler mode, duplex mode, triplex mode, phased array, curved

Scan format Array, endo-cavity, linear array

Transducer inputs 2 + 1 optional

Highlights
- Top diagnostic performance and scalability
- Superior 2D-mode imaging
- Color imaging option
- Cardiac screening option and phased array transducer fully integrate 3-Scape real-time 3D imaging during freehand acquisition

Siemens Healthineers · ACUSON Freestyle

Mode B-mode, Velocity Color Doppler, Power Color Doppler, Wide (trapezoidal imaging) Mode

Scan format Curved array, linear array

Transducer inputs Wireless

Highlights
- With cable-free technology to offer unrestricted access to practitioners at the point of care, allowing quicker turnaround time
- Enhanced needle visualization and Pixelformer image processing architecture on an expanded image display improve procedural confidence in interventional settings
- Empowered workflow with zero cable-drag and single-user operation via integrated scanning controls

Siemens Healthineers · ACUSON Freestyle Elite

Mode B-mode, Velocity Color Doppler, Power Color Doppler, Wide (trapezoidal imaging) Mode

Scan format Curved array, linear array

Transducer inputs Wireless

Highlights
- With cable-free technology to offer unrestricted access to practitioners at the point of care, allowing quicker turnaround time
- Enhanced needle visualization and Pixelformer image processing architecture on an expanded image display may improve procedural confidence in interventional settings
- Automatically populate patient registration data between systems with Artis Patient Synchronization using Artis Access

Siemens Healthineers · ACUSON SC2000 ultrasound system

Mode 2D, volume B-mode, M-mode with Native tissue harmonic imaging (THI), color Doppler (CDV, DTV, DTE), spectral Doppler (PW, CW, Tissue, HPRF, Auxiliary CW), Contrast Agent Imaging (3D volume, 2D thin volume LVO), full volume imaging (with TEE)

Scan format Linear, curved, matrix, vector

Transducer inputs 3 universal ports supporting micro-pinless transducers

Highlights
- One-click automated aortic and mitral valve modeling and measurements within seconds with eSie Valves advanced analysis package
- 2D and 3D transthoracic (TTE), transesophageal (TEE), and intracardiac echocardiography (ICE)
- Clinical applications: eSie Measure Workflow Acceleration Package, eSie LVA volume LV analysis, Volume Right Ventricular Analysis (RVA), Volume ICE and more

Siemens Healthineers · ACUSON P500 Frosk Edition

Mode 2D with phased, alternative and filtered tissue harmonic imaging (THI), velocity color Doppler, Power color Doppler, spectral PW Doppler, spectral steerable CW Doppler, spectral duplex and triplex Doppler, M-mode, B-mode

Scan format Linear, curved, phased array, endo-cavity

Transducer inputs 3 microCase transducer ports

Highlights

- Developed innovative and ground-breaking technologies specifically designed that automatically detect and prevent motion artifacts, reduce noise, and simultaneously enhance color
- 15" infrared touch screen improves gesturing accuracy and supports the use of latex gloves and gel
- Increase patient throughput with mobile quick scanning and boot-up times of less than 30 seconds

Siemens Healthineers · ACUSON NX3 Elite

Mode B-Mode, Phased and filtered THI, color Doppler, Power Doppler, color velocity mode spectral Doppler, M-mode, PW, SCW, 3D / 4D imaging, pulse wave spectral Doppler mode (PW), continuous wave spectral Doppler (CW), duplex, triplex, M-mode incl. color and anatomical

Scan format Linear, curved / convex, phased array, endo-cavity, pencil

Transducer inputs 4 active transducer ports that support phased array, curved array and linear array transducers

Highlights

- Powerful platform driven by efficiency and built for performance.
- Intuitive user interface with up to 28 % fewer keystrokes and 3x more user-defined keys
- 21.5" HD display and 220° endo-cavity transducer provides expanded field of view
- 10.4 inch touch display with swipe motion
- Transducer compatibility with existing and legacy Siemens Healthineers systems

Siemens Healthineers · ACUSON NX3

Mode B-Mode, phased and filtered THI, color Doppler, Power Doppler, color velocity mode, spectral Doppler, M-mode, PW, SCW, 3D / 4D imaging, pulsed wave spectral Doppler mode (PW), continuous wave spectral Doppler (CW), duplex, triplex, M-mode incl. color and anatomical

Scan format Linear, curved / convex, phased array, endo-cavity, wobbler

Transducer inputs Up to 4 active transducer ports, (3 standard) that support phased array, curved array and linear array transducers

Highlights

- Powerful platform driven by efficiency and built for performance.
- Intuitive user interface with up to 28 % fewer keystrokes and 3 x more user-defined keys
- 21.5" HD display provides expanded field of view
- 10.4 inch touch display with swipe motion
- Transducer compatibility with existing and legacy Siemens Healthineers systems

Siemens Healthineers · ACUSON NX2

Mode B-mode, Phased and filtered THI, Alternating THI, Color Doppler, Power Doppler, Velocity-based color Doppler, M-mode, SCW, pulse wave spectral Doppler mode (PW), continuous wave spectral Doppler (CW), duplex, triplex, M-mode incl. Color & Anatomical

Scan format Linear, curved/convex, phased array, endo-cavity

Transducer inputs Up to 4 active transducer ports (3 standard)

Highlights

- Provides premium imaging performance using a cost-efficient, seven-transducer set to perform a wide range of exam types at a sustainable value
- Intuitive control panel design combined with up to four front-facing transducer ports optimize workflow efficiency
- Large 21.5" 1080 p HD display; Twice the pixel density
- Simplified control panel designed to enable operator efficiency and speed-up completion of essential tasks

SIUI · Apogee 5800

Mode B-mode, M-mode, Color / CPA / DPA / TDI-mode, PWD-mode, CW-mode, 3D & 4D mode, Elastography-mode

Scan format 4D volume, Linear, Convex, Phased array, Micro-convex, Trans-vaginal, Trans-rectal, Bi-plane

Transducer inputs 6

Highlights

- 19" Medical LCD monitor / 10.4" touch screen
- Detachable heating cup for gel, temperature controllable
- Control panel up and down, left and right moveable
- Integrated control panel with keyboard
- Probe socket with hook
- Ultracloud
- Technology: MFI / VS-Flow / XBeam / Nanoview
- Imaging Solution: 4D Pro / Elastography (Option) / Panoscope

SIUI · Apogee 5500

Mode B-mode, M-mode, Color / CPA / DPA / TDI-mode, PWD-mode, CW-mode, 3D & 4D-mode, Elastography-mode

Scan format 4D volume, Linear, Convex, Phased array, Micro-convex, Trans-vaginal, Trans-rectal, Bi-plane

Transducer inputs 4

Highlights

- 19" medical LCD monitor / 10.4" touch screen
- Detachable heating cup for gel, temperature controllable
- Probe socket with hook
- Ultracloud
- Technology: MFI / Wideband-beam Emission Technology / VS-Flow / XBeam
- New 4D imaging tools: nSlice / Q-Cut / Opti-4D

ULTRASOUND

SIUI · Apogee 5300

Mode B-mode, M-mode, Color / CPA / DPA / TDI-mode, PWD-mode, CW-mode, TDI-mode, 3D & 4D mode, Elastography-mode

Scan format 4D volume, Linear, Convex, Phased array, Micro-convex, Trans-vaginal, Trans-rectal, Bi-plane

Transducer inputs 4

Highlights
- 18.5" medical LCD monitor/ 10.4" touch screen
- Distinct control panel with intuitive layout
- Technology: XBeam / Nanoview / Fusion-Freq / Panoscope / Fusion Tissue / Harmonic (Fusion THI) / Auto-Fit
- 4D Pro: nSlice, Q-Cut, Opti-4D
- Smart Elastography for breast exams
- Tissue Doppler Image and Continuous Wave Doppler for cardiology

SIUI · Apogee 3800

Mode B-mode, M-mode, Color / CPA / DPA / TDI-mode, PWD-mode, CW-mode, 3D & 4D-mode, Elastography-mode

Scan format 4D volume, Linear, Convex, Phased array, Micro-convex, Trans-vaginal, Trans-rectal, Bi-plane

Transducer inputs 4

Highlights
- Ergonomic appearance
- Swivel keyboard
- High resolution color monitor
- 19" LCD monitor / 10.4" touch screen
- Four active probe connectors
- Complete 4D clinical solution (option)
- Equipped with 4D convex probe
- Easy use with compact design of volumetric probes
- Comprehensive and efficient rendering modes in 4D imaging
- Continues wave Doppler for cardiovascular solution

SIUI · Apogee 3500 Elite

Mode B-mode, M-mode, Color / CPA / DPA /TDI-mode, PWD-mode, CW-mode, 3D & 4D-mode, Elastography-mode

Scan format 4D volume, Linear, Convex, Phased array, Micro-convex, Trans-vaginal, Trans-rectal, Bi-plane

Transducer inputs 4

Highlights
- 18.5" LCD monitor / 8.4" touch screen
- Independent probe and cable management
- Four active probe connectors
- Advanced 4D experience in OB / GYN
- Smart Elastography
- Advanced cardiac functions including TDI, AMM etc.
- Intuitive workflow: Auto EF, Auto-fit, Auto IMT measurement, Smarchive

SIUI · Apogee 3500

Mode B-mode, M-mode, Color / CPA / DPA / TDI-mode, PWD-mode, CW-mode, 3D &1644D-mode, Elastography-mode

Scan format 4D volume, Linear, Convex, Phased array, Micro-convex, Trans-vaginal, Trans-rectal, Bi-plane

Transducer inputs 4

Highlights
- 18.5" LCD monitor / 8.4" touch screen
- Streamlined workflow with touch screen control
- Four active probe connectors
- Professional imaging technology for image enhancement
- Comprehensive application package for women's health
- Complete exam modes for OB / GYN
- 4D imaging (option)
- Revolutionary Elastography for breast exam (option)
- CW for cardiovascular solution

SIUI · Apogee 3300

Mode B-mode, M-mode, Color / CPA / DPA-mode, PWD-mode, CW-mode, 3D & 4D-mode, Elastography-Mode

Scan format 4D volume, Linear, Convex, Phased array, Micro-convex, Trans-vaginal, Trans-rectal, Bi-plane

Transducer inputs 4

Highlights
- Complete measurement and calculation software for obstetrics and gynecology application
- Advanced 4D probe technology (option)
- 4D scanning with multiple rendering modes
- 4D convex probe and 4D vaginal probe available
- CW, ECG and anatomic M mode is optional to support cardiac measurement
- User-friendly design with touch screen control and distinct panel layout

SIUI · Apogee 3300 Neo

Mode B-mode, M-mode, Color / CPA / DPA-mode, PWD-mode, CW-mode, 3D & 4D-mode, Elastography-Mode

Scan format 4D volume, Linear, Convex, Phased array, Micro-convex, Trans-vaginal, Trans-rectal, Bi-plane

Transducer inputs 4

Highlights
- Self-owned 4D technology and 4D volumetric probe
- CW
- Streamlined workflow: Auto EF, Smarchive, Intuitive control panel

SIUI · Apogee 2000

Mode B-mode, M-mode, Color / CPA / DPA / TDI-mode, PWD-mode, CW-mode, Elastography-Mode

Scan format Linear, Convex, Phased array, Micro-convex, Trans-vaginal, Trans-rectal, Bi-plane

Transducer inputs Bulit-in: 2 / Optional: external up to 2 or 4

Weight 4 kg

Highlights
- 15" tablet touch screen
- Unique parameter settings, simplify the operation at utmost
- Wall hanging, portable, sustainable (multi-angle)
- Wireless remote control operation
- Duplex built-in battery, service time up to 1.5 hours
- Ultracloud
- Operation Advantage: Operating room / Emergency department / ICU
- Application: Neurosurgery / MSK / Abdomen / Cardiology

SIUI · Apogee 1000 Neo

Mode B-mode, M-mode, Color /CPA/DPA/TDI-mode, PWD-mode, CW-mode, Elastography-Mode

Scan format Linear, Convex, Phased array, Micro-convex, Trans-vaginal, Trans-rectal, Bi-plane

Transducer inputs Bulit-in: 1 / Optional: external up to 2 or 4

Weight 5 kg (without battery)

Highlights
- 15" LCD monitor 90° left and right rotatable
- Track ball: easy to use, precise operation
- Duplex built-in battery, standby time up to 1.5 hours
- Operational accessories: mini desktop probe extender, trolley and travelling backpack
- Superb Technology: MFI / Nanoview
- Comprehensive Diagnostic Tools: TDI / Continuous Wave Doppler / Simpson auto tracing

SIUI · Apogee 2300

Mode B-mode, M-mode, Color / CPA / DPA /TDI-mode, PWD-mode, CW-mode, 3D & 4D-mode, Elastography-Mode

Scan format 4D volume, Linear, Convex, Phased array, Micro-convex, Trans-vaginal, Trans-rectal, Bi-plane

Transducer inputs 2

Highlights
- Compact design
- 15" medical LCD with tilting angle
- User-orientated control panel
- Dual probe connectors
- Replaced Li-ion batteries
- Powerful imaging technology: MFI / XBeam / Nanoview / Fusion-THI / VS Flow
- Versatile application packages: 4D Pro / Auto IMT measurement / CW / TDI / Color M / Elastograghy

SIUI · Apogee 2100

Mode B-mode, M-mode, Color / CPA / DPA-mode, PWD-mode, 3D & 4D-mode, Elastography-mode

Scan format 4D volume, Linear, Convex, Micro-convex, Trans-vaginal, Trans-rectral, Bi-plane

Transducer inputs 2

Highlights
- Leading imaging technology: MFI / XBeam / Nanoview / Fusion-THI
- Comprehensive diagnostic application: 4D Lite / Auto IMT measurement / CW
- User-friendly workflow: Auto-Fit / Trapezoid and ExFOV / HD Zoom / DICOM

SIUI · Apogee 1200

Mode B-mode, M-mode, Color / CPA / DPA / TDI-mode, PWD-mode, CW-mode, 3D & 4D-mode, Elastography-Mode

Scan format 4D volume, Linear, Convex, Phased array, Micro-convex, Trans-vaginal, Trans-rectal, Bi-plane

Transducer inputs Bulit-in: 2 / Optional: external up to 4

Highlights
- Compact design
- 15" medical LCD
- Two active probe connectors
- Clinical application for general imaging: CW / ECG / TDI / Auto IMT / Panoramic image for small part and musculoskeletal
- Complete 4D clinical solution (option): Equipped with 4D convex probe / Easy use with compact design of volumetric probes / Comprehensive and efficient rendering modes in 4D imaging

ULTRASOUND

SIUI · CTS-8800 Plus Color

Mode B-mode, M-mode, Color / CPA / DPA-mode, PWD-mode, 3D & 4D-mode, Elastography-mode
Scan format 4D volume, Linear, Convex, Micro-convex, Trans-vaginal, Trans-rectral, Bi-plane
Transducer inputs 2

Highlights
Economic color Doppler with basic application
- Advance imaging technology: Speckle reduction technology / Trapezoidal imaging / Smart one key optimization
- Value-added clinical solutions: Compound Image (Option) / Smart 3D imaging (Option) / 4D Lite (Option) / Elastography (Option)

SIUI · CTS-8800 Plus

Mode B-mode, M-mode, PWD-mode, 3D & 4D Mode
Scan format 4D volume, Linear, Convex, Micro-convex, Trans-vaginal, Trans-rectal, Bi-plane
Transducer inputs 2

Highlights
- OB / GYN 4D performance (option)
- Excellent 4D imaging compared favorably with color Doppler mode
- Multi-rendering modes (includes surface, X-Ray and Max modes)
- Auto 3D imaging
- Functionally versatile: B / W & PW / Spatial compound imaging (option) / Upgradable CFM function (option)
- Compact design: 15" medical LCD / Built-in lithium battery (option) / Trolley for mobile use (option)

SIUI · CTS-5000

Mode B-mode, M-mode, PWD-mode, 3D & 4D-mode, THI
Scan format Linear, Convex, Micro-convex, Trans-vaginal, Trans-rectal, Bi-plane, 4D volume
Transducer inputs 3

Highlights
- 15" high resolution medical LCD color monitor
- Smart one key optimization
- Auto IMT measurement
- Panoscope
- Freehand 3D
- Color Doppler upgradable

SIUI · CTS-4000

Mode B-mode, M-mode, PWD-mode, 3D & 4D-mode, THI
Scan format Linear, Convex, Micro-convex, Trans-vaginal, Trans-rectal, Bi-plane, 4D volume
Transducer inputs 3

Highlights
Mobile ultrasound system with high-precision digital imaging technology
- 15" high resolution medical LCD color monitor
- Speckle reduction technology
- Tissue harmonic imaging
- Pulsed wave Doppler
- Excellent 4D effect with simple and quick operation (Option)
- Elastography (Option)

SIUI · CTS-6600

Mode B-mode, M-mode, THI
Scan format Linear, Convex, Micro-convex, Trans-vaginal, Trans-rectal
Transducer inputs 2

Highlights
B / W ultrasound with complete applications
- 15" resolution medical LCD
- Scanning depth up to 252 mm
- Probe frequency range from 2.0 to 12.0 MHz
- Tissue Harmonic Imaging
- With or without built-in lithium battery in two version
- Comprehensive measurement package

SIUI · CTS-5500 Plus

Mode B-mode, M-mode, THI
Scan format Linear, Convex, Micro-convex, Trans-vaginal
Transducer inputs 2

Highlights
Portable Digital B / W Ultrasound System
- Monitor: 10" LCD monitor
- Powerful digital beamforming technology
- Unique high-definition zooming function
- IP one-key optimization
- Two probe conncectors as standard
- 2 USB ports

SIUI · CTS-900 Neo

Mode B-mode, M-mode, THI
Scan format Linear, Convex, Micro-convex, Trans-vaginal, Trans-rectal
Transducer inputs Bulit-in: 1 / Optional: external up to 2

Highlights

New generation laptop design B/W ultrasound system
- 10.4" 1024 x 768 high resolution LCD monitor
- Built-in battery for 2 hours' operation
- 3.8 kg only
- Crystal-clear image quality updated from CTS-900
- Supporting maximum 12 MHz linear probe
- 2 USB Ports
- DICOM 3.0 (Option)

SIUI · CTS-5500

Mode B-mode, M-mode, THI
Scan format Linear, Convex, Micro-convex, Trans-vaginal
Transducer inputs 2

Highlights

Cost-effective ultrasound system beyond your expectation
- 10.4" monitor
- Powerful digital beamforming technology
- Unique high-definition zooming function
- IP one-key optimization
- Complete clinical document management system
- 2 USB Ports
- Three probe connectors as standard
- DICOM 3.0 (Option)

SIUI · Apogee 5300V Neo

Mode B-mode, M-mode, Color / CPA / DPA-mode, PWD-mode, CW mode, 3D & 4D-mode, Elastography-mode
Scan format Linear, Convex, Phased array, Micro-convex, Trans-rectal, 4D volume
Transducer inputs 4

Highlights
- Ergonomic design with 10.4" touch screen
- Detachable heating cup for gel (optional)
- Advanced technology: MF / Nanoview / XBeam / FusionFreq / Fusion THI etc
- Innovative diagnostic tools: ECG / TDI / CW / VS Flow / Smarchive
- Complete application: abdomen, reproductive systems, cardiology, etc
- Powerful data management including report, hard disk, DICOM 3.0, USB prots and DVD-RW

SIUI · Apogee 1000V Neo

Mode B-mode, M-mode, Color /CPA/DPA/TDI-mode, PWD-mode, CW-mode
Scan format Linear, Convex, Phased array, Micro-convex, Trans-vaginal, Trans-rectal
Transducer inputs Bulit-in: 1 / Optional: external up to 2 or 4
Weight 5 kg (without battery)

Highlights
- 15" Monitor 90° left and right rotatable
- Touch panel and rolling ball: easy to use, precise operation
- Duplex built-in battery, standby time up to 1.5 hours
- New technology: MFI, Nanoview / XBeam, FusionFreq / Fusion THI and so on
- Innovative diagnostic tools: ECG / TDI / CW / VS Flow / Smarchive / Ultracloud
- General application: canine / feline / bovine / equine / ovine / porcine

SIUI · Apogee 2300V

Mode B-mode, M-mode, Color / CPA / DPA /TDI-mode, PWD-mode, CW-mode, 3D & 4D-mode
Scan format 4D volume, Linear, Convex, Phased array, Micro-convex, Trans-vaginal, Trans-rectal
Transducer inputs 2

Highlights
- 15" Monitor 90° left and right rotatable
- Touch panel and rolling ball: easy to use, precise operation
- Duplex built-in battery, standby time up to 1.5 hours
- New technology: MFI, Nanoview / XBeam, FusionFreq / Fusion THI and so on
- Innovative diagnostic tools: ECG / TDI / CW / VS Flow / Smarchive / Ultracloud
- General application: canine / feline / bovine / equine / ovine / porcine

ULTRASOUND

SIUI · Apogee 2100V

Mode B-mode, M-mode, Color / CPA / DPA-mode, PWD-mode, 3D & 4D-mode
Scan format 4D volume, Linear, Convex, Micro-convex, Trans-vaginal, Trans-rectral
Transducer inputs 2

Highlights
- 15" Monitor 90° left and right rotatable
- Touch panel and rolling ball: easy to use, precise operation
- Duplex built-in battery, standby time up to 1.5 hours
- New technology: MFI, Nanoview / XBeam, FusionFreq / Fusion THI and so on
- Innovative diagnostic tools: ECG / TDI/ CW / VS Flow / Smarchive / Ultracloud
- General application: canine / feline / bovine / equine / ovine / porcine

SIUI · Apogee 1200V Neo

Mode B-mode, M-mode, Color / CPA / DPA / TDI-mode, PWD-mode, CW-mode, 3D & 4D-mode, Elastography-mode
Scan format Linear, Convex, Phased array, Micro-convex, Trans-rectal, 4D volume
Transducer inputs Bulit-in: 2 / Optional: external up to 4

Highlights
- 15" high resolution monitor
- Advanced processing: MFI / Nanoview / XBeam / Smart GSC / Foco Tracing etc
- Innovative diagnostic tools: ECG / TDI / CW / VS Flow / Smarchive
- General application: canine, feline, bovine, equine, ovine and porcine
- High frequency phased-array probe and ECG module for cardiology solution
- Data management including report, hard disk, DICOM 3.0 and USB ports

SIUI · CTS-8800V Plus

Mode B-mode, M-mode, Color / CPA / DPA-mode, PWD mode, 3D & 4D mode, Elastography-mode
Scan format Linear, Convex, Micro-convex, Trans-rectal, 4D volume
Transducer inputs 2

Highlights
- 15" LCD monitor
- Built-in lithium battery (option)
- Color Doppler (option)
- Scanning depth up to 300 mm
- Probe frequency range from 2 MHz to 12 MHz
- User-programmable presetting for personal preference
- Advanced Speckle Reduction Technology with multiple sets
- Ports like USB, video out and HDMI for signal transfer
- Storage media: large capacity hard disk, USB disk and DICOM 3.0

SIUI · CTS-5500V Plus

Mode B-mode, M-mode, THI
Scan format Linear, Convex, Micro-convex, Trans-rectal
Transducer inputs 2

Highlights
Cost-effective ultrasound system beyond your expectation
- 10.4" LCD monitor
- Powerful digital beamforming technology
- Tissue harmonic imaging
- IP one-key optimization
- Two probe connectors as standard
- General application: canine / feline / bovine / equine / ovine / porcine

SIUI · CTS-6600V Plus

Mode B-mode, M-mode, THI
Scan format Linear, Convex, Micro-convex, Trans-rectal
Transducer inputs 2

Highlights
15" high resolution medical monitor
- User-orientated control panel
- With or without built-in battery in two versions
- Probe frequency range from 2.0 – 10.0 Mhz
- 2 probe connectors as standard
- General application: canine, feline, bovine, equine, ovine and porcine

SIUI · CTS-900V Neo

Mode B mode, M mode, THI
Scan format Linear, Convex, Micro-convex, Trans-rectal, Linear (back fat)
Transducer inputs Bulit-in 1, Optional external up to 2

Highlights
Lightweight system with superior image quality
- As compact as 3.8 kg
- 10.4" high resolution LCD monitor
- Built-in battery for 2-hour operating time
- Display mode includes B, 2B, 4B, M and B / M mode
- B mode cine loop playback up to 256 frames
- 4G CF card for image and cine storage
- Probes with five frequency variation

SIUI · CTS-800

Mode B mode, M mode
Scan format Linear, Convex, Micro-convex, Trans-rectal, Linear (back fat)
Transducer inputs 1
Weight 0.8 kg

Highlights
Handheld ultrasound scanner for farm animals
- 7" WVGA LCD monitor
- Environmental rating: IP54 (main unit) and IP67 (probe head)
- Battery can last three hours for operating
- Software and report for reproductive system
- Gravity sensor for layout change (transverse / vertical)
- Measurement for distance, area, circumference, volume, angle, heart rate
- Video glasses (option)

SuperSonic Imagine · AIXPLORER

Mode B-mode, Color Flow, Power, Directional Power, PW Doppler, M-mode, Contrast, ShearWave Elastography (SWE), 3D B-mode, 3D SWE, UltraFast Doppler
Scan format Linear, Convex, Endocavity, Micro-convex, Phased, Compact-linear, 3D, Panoramic, Dual, CEUS
Transducer inputs 4 Ports, over 100 Clinically Optimized Presets

Highlights
- Impeccable Image Quality
- Next-generation software-based UltraFast beamformer (20,000 fr / sec)
- Real-time Quantitative ShearWave Elastography in a full High-Res 2D area. Optimized on a wide range of probes and applications
- UltraFast Doppler: Full retrospective spectral analysis of multiple PW sample volumes simultaneously
- Outstanding ergonomics. Fast, reproducible, cost effective workflow

Toshiba · Aplio 500

Mode 2D-, 3D-, 4D-, M-mode, PW / CW Doppler, high PRF, color / power Doppler, ADF, SMI
Scan format Linear, convex, matrix and phased arrays; biopsy and 4D-volume probes, motorized TEE, endocavitary and pencil probes
Transducer inputs 4 & 1 (pencil)

Highlights
- High Density Beamformer, Precision Imaging, ApliPure+, Differential THI, TSO, ADF, Superb Micro Vascular Imaging
- 4D, CEUS; surface, MPR, MultiView, Luminance
- FlyThru virtual endoscopy, Smart Fusion, RT and Shearwave elastography, Acoustic Structure Quantification, MicroPure, Auto IMT, AUTO NT, Wall Motion Tracking
- Advanced CEUS incl. VRI, MicroFlow imaging and CEUS quantification

Toshiba · Aplio 400

Mode 2D-, 3D-, 4D-, M-mode, PW / CW Doppler, high PRF, color / power Doppler, ADF, SMI
Scan format Linear, convex and phased arrays; biopsy and 4D-volume probes, motorized TEE, endocavitary and pencil probes
Transducer inputs 4 & 1 (pencil)

Highlights
- High Density Beamformer, Precision Imaging, ApliPure+, Differential THI, TSO, ADF, Superb Micro Vascular Imaging
- Whole body 4D-imaging, CEUS; surface, MPR, MultiView, Luminance
- Realtime elastography, MicroPure, Auto IMT, Wall Motion Tracking, advanced CEUS contrast imaging incl. VRI and MicroFlow imaging
- iStyle+ with fully customizable console, Quick Start, Quick Scan and Quick Assist

Toshiba · Aplio 300

Mode 2D-, 3D-, 4D-, M-mode, PW / CW Doppler, high PRF, color / power Doppler, ADF, SMI
Scan format Linear, convex and phased arrays; biopsy and 4D-volume probes, motorized TEE, endocavitary and pencil probes
Transducer inputs 4 & 1 (pencil)

Highlights
- High Density Beamformer, Precision Imaging, ApliPure+, Differential THI, Tissue Enhancement, Advanced Dynamic Flow, Superb Microvascular Imaging
- Whole body 4D-imaging; surface rendering, MPR, MultiView, Luminance
- Realtime elastography, Auto IMT, Auto NT, Wall Motion Tracking, CEUS contrast imaging
- iStyle+ productivity suite with fully customizable console, Quick Start, Quick Scan and Quick Assist

ULTRASOUND

Toshiba · Xario 200

Mode 2D-, 3D-, 4D-, M-mode, PW / CW Doppler, high PRF, color / power Doppler, ADF

Scan format Linear, convex and phased arrays; biopsy and 4D-volume probes, motorized TEE, endocavitary and pencil probes, Smart 3D (Freehand 3D)

Transducer inputs 3 & 1 (pencil)

Highlights
- High Density Beamformer, Precision Imaging, ApliPure+, Differential THI, Tissue Enhancement, Advanced Dynamic Flow
- 4D-imaging; surface rendering, MPR, MultiView, Freehand 3D
- Realtime elasto, Auto IMT, Stress Echo, CEUS contrast imaging
- iStyle+ productivity suite with fully customizable panel, agile housing, height adjustable console, panel swivel, Quick Start, Quick Scan & Quick Assist

Toshiba · Xario 100MX

Mode 2D-, M-mode, PW Doppler, high PRF, color / power Doppler, ADF

Scan format Linear, convex, and endocavitary probes

Transducer inputs 2 (3rd is optional)

Weight 70 kg

Highlights
- High Density Beamformer, Precision Imaging, Tissue Enhancement, Advanced Dynamic Flow
- iStyle+ productivity suite with fully customizable panel, agile housing, height presettable console, Quick Start, Quick Scan & Quick Assist

Toshiba · Xario 100

Mode 2D-, 3D-, 4D-, M-mode, PW/CW Doppler, high PRF, color / power Doppler, ADF

Scan format Linear, convex and phased arrays; biopsy and 4D-volume probes, motorized TEE, endocavitary and pencil probes

Transducer inputs 3 & 1 (pencil)

Highlights
- High Density Beamformer, Precision Imaging, ApliPure+, Differential THI, Tissue Enhancement, Advanced Dynamic Flow
- 4D-imaging; surface rendering, MPR, MultiView,
- Realtime elastography, Auto IMT, Panoramic View, Trapezoid Scan
- iStyle+ productivity suite with fully customizable panel, agile housing, height presettable console, Quick Start, Quick Scan and Quick Assist

Toshiba · VIAMO

Mode 2D-, M-mode, spectral Doppler, high PRF, color / power Doppler, ADF

Scan format Linear, convex and phased arrays

Transducer inputs 2

Highlights
- Portable ultrasound system
- Swivel touch screen, Tablet mode possible
- Single transducer input, expandable to 2 transducers
- Battery and AC operation, fast boot time (< 10 s from standby to scanning)
- High color sensitivity, exceptional image quality
- Highly programmable Touch Screen, few buttons, easy to operate

GCTechnology · CIRS Phantoms

Highlights
- Fetal ultrasound phantom family
- Doppler Flow Phantom
- Quality assurance test phantoms
- Ultrasound Accreditation Phantoms
- Male and female ultrasound pelvic phantoms
- Prostate phantom family – Breast phantom family
- Thyroid ultrasound training phantom
- Kidney training phantom
- Vascular access training phantom kit
- Shear Wave Liver Fibrosis Phantoms
- Elastography Phantoms

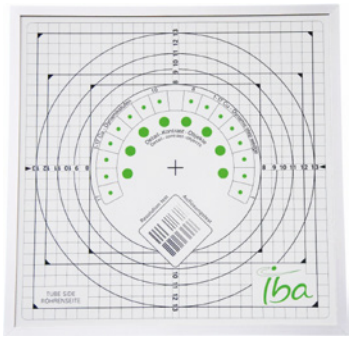
Testing Devices

TESTING DEVICES

GE Healthcare · DoseWatch

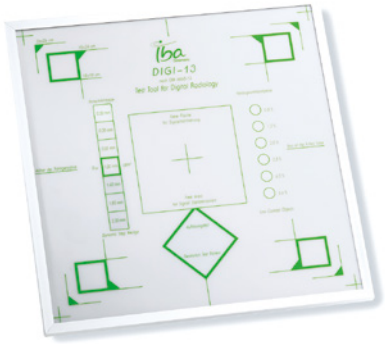
Highlights
With a comprehensive integrated solution that enables radiation dose and contrast parameters optimization and standardization.
DoseWatch is a web-based dose management solution that captures, tracks, and reports radiation and contrast dose directly from the medical device or PACS.
DoseWatch is a multi-modality and vendor agnostic solution. It can help you optimize dose levels by helping to detect possible causes of excess radiation, so you can produce focused diagnostic images with lower exposure.

IBA Dosimetry · Test Device Primus A



Highlights
Test device Primus A is designed according DIN 6868-150 & DIN 6868-4 for Quality assurance at radiography and fluoroscopy systems.
- 17 steps for dynamic verification
- 8 low contrast sensitivity circles
- Grid for easy and efficient determination of light- & beam field alignment as well as geometrical distortions

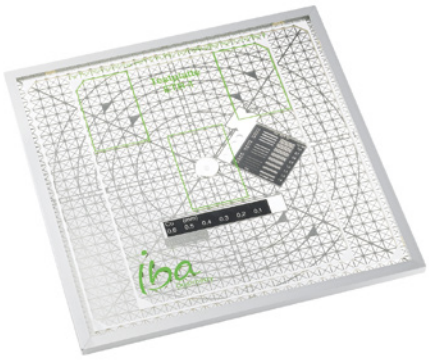
IBA Dosimetry · DIGI-13



Highlights
For quality checks at digital radiographic systems (CR / DR) according DIN 6868-13.

Test parameter:
- Uniformity
- Spatial resolution
- Alignment of light and beam field
- Image scale
- Artifacts
- Geometrical distortion

IBA Dosimetry · ETR1 incl. Centering Tube



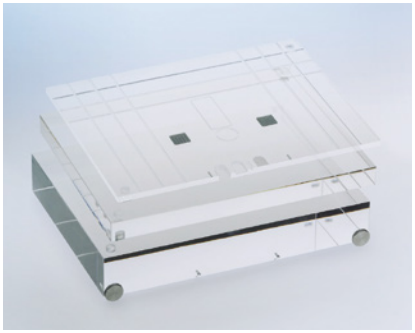
Highlights
For quality checks of conventional radiography systems; according DIN 6868-3; including holder for chest wall stand.

Test parameter:
- Spatial resolution
- Low contrast
- Alignment of light and beam field
- Geometrical distortion
- Measuring areas for optical density

IBA Dosimetry · Mammo-162

Highlights
For quality assurance / acceptance test of digital Mammography Systems, according DIN 6868-162.
- 40 mm base plate with integrated Al step wedge and 2 rows of steel balls, for checking the image limitation towards the thorax side.
- 6 mm structural plate with recess for test inserts
- Test insert: PMMA, SDNR & High Contrast
- 3 x 20 mm / 1 x 10 mm / 1 x 4 mm PMMA attenuation plates
- 1 x 20 mm PMMA full field attenuation plate (260 x 320 mm)

IBA Dosimetry · Mammo-152



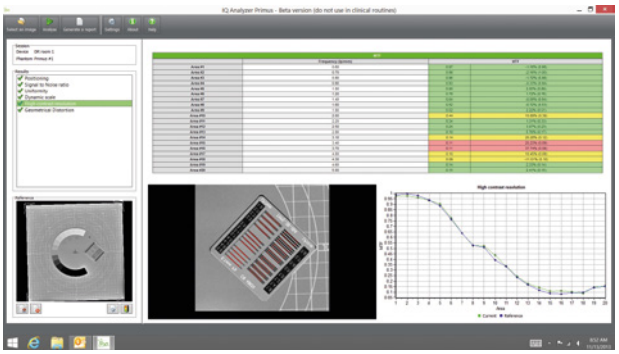
Highlights
For quality assurance / acceptance and constancy tests according DIN 6868-152, DIN 6868-7, IEC 61223-3-2 and EPQC (EUREF) in conventional mammography.

Test parameter:
- Object thickness and tube voltage compensation resp. AEC reproducibility
- Spatial and contrast resolution
- Artifacts / Geometry
- Check of the image limitation towards the thorax side

IBA Dosimetry · Mammo-14

Highlights
For quality assurance / constancy test at digital mammography systems according DIN 6868-14.
- 40 mm base plate with integrated Al step wedge and 2 rows of steel balls, for checking the image limitation towards the thorax side.
- 6 mm structural plate with recess for test inserts
- Test insert: PMMA, SDNR & High Contrast
- 3 x 20 mm / 1 x 10 mm / 1 x 4 mm PMMA attenuation plates
- 2 x 20 mm PMMA full field attenuation plate (260 x 320 mm)

IBA Dosimetry · IQ Analyzer Primus



Highlights
Software to perform automatic, fast and smart quality assurance.
- Automatic analyses of Primus images for image quality
- Efficient import of DICOM Images
- Independent quality assurance from user in less than ten seconds
- Easy documentation with PDF and Excel Report export

IBA Dosimetry · DSA Test Device

Highlights
For Quality Assurance of "Digital Subtraction Angiography" (according DIN 6868-150, DIN 6868-4, IEC 61223-3-3)

Test parameter:
- Cupper dynamic step wedge with logarithmic check
- DSA contrast sensitivity
- Artefacts

IBA Dosimetry · DVT-3D

Highlights
Test of 3D image quality of "Digital Volume Tomography" (DVT) systems, according DIN 6868-150 / DIN 6868-4.

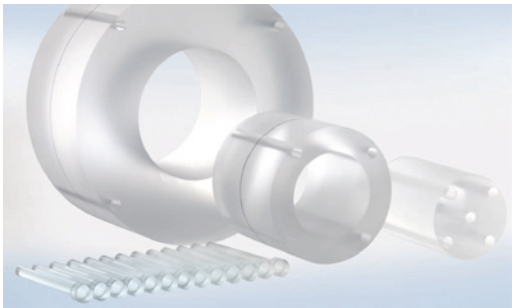
Optional Carbon adapter for easy and precise positioning in the beam without artifacts.

Test parameter:
- Detail resolution
- Uniformity and noise
- Laser marks for convenient positioning in iso-center

IBA Dosimetry · 2-part PMMA CT-Phantom

Highlights
Phantom for measurements of CTDI according IEC 60601-2-44, IEC 61223-3-5, IEC 61223-2-6.
- 1 Adult Head-Phantom, 16 cm diameter, 5 holes
- 1 Adult Body anulus, 32 cm diameter, 4 holes
- 9 Acrylic rods for plugging in all phantom holes

IBA Dosimetry · 3-part PMMA CT-Phantom



Highlights
Phantom for CTDI measurements, according IEC 60601-2-44, IEC 61223-3-5, IEC 61223-2-6.
- Innovative 3-part nested phantom according FDA 21 CFR 1020.33.
- 1 Pediatric Phantom, 10 cm diameter, 5 holes
- 1 Adult Head anulus, 16 cm diameter, 4 holes
- 1 Adult Body anulus, 32 cm diameter, 4 holes
- 13 Acrylic rods for plugging in all phantom holes

TESTING DEVICES

IBA Dosimetry · Multimeter MagicMaX Universal

Highlights
Usable with different detectors:
- XR – Radiography/ Fluoroscopy /Dental
- XM – Mammography
- DCT10-MM – Ionization Chamber for CT

Measurement parameter:
Dose / dose rate – dose per pulse – kVp / PPV –time –total filtration – HVL – wave form – dose, dose rate length product for CT

IBA Dosimetry · Dosimax plus I

Highlights
Single channel dose meter according IEC 61674 for quality assurance at Radiography-, Fluoroscopy-, Dental- and Mammography systems.
Available with RQA/ RQM / DEDX

Measurement parameter (DEDX):
- Dose: 20 µGy – 9,999 mGy
- Dose rate: 20 µGy/s – 400 mGy/s
- Time: 1 ms – 9,999 s

IBA Dosimetry · Dosimax plus A (HV)*

**Dosimax plus A HV with integrated high voltage for measurements at CTs with ionization chamber DCT10-RS*

Highlights
Single channel dose meter according IEC 61674 for acceptance tests at Radiography-, Fluoroscopy-, Dental- and Mammography systems.
Available with RQA / RQM / DCT10-RS*

Measurement parameter (RQA):
- Dose: 200 nGy – 9,999 mGy
- Dose rate: 80 nGy/s – 70 mGy/s
- Time: 1 ms – 9,999 s

IBA Dosimetry · Spot-Luminance meter LXcan

Highlights
For luminance measurements at image display devices according DIN 6868-157, DIN V 6868-57, IEC 61223-2-5 and AAPM TG18.
- Distance and contact measurement
- Easy targeting with a built-in camera and display
- Ultrasound distance sensor for the optimal distance

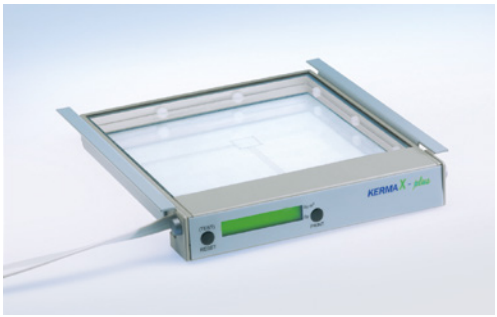
Optional photometric detector LX-LS to measure the Illuminace in combination with LXcan

IBA Dosimetry · KermaX plus DDP "Duo"

Highlights
Multifunctional duo-channel dosimeter dedicated to measure DAP, DAP rate and exposure time in patient dose monitoring.
Two Rectangular, transparent ionization chamber with integrated electronics and one separate "Dual Line Display" with two very bright LED display lines.

Measurement parameter:
- DAP rate: 0.01 µGym^2/s – 3,000 µGym^2/s
- DAP resolution: 0.01 µGym^2
- Interface: 2 x RS 232 (RIS/HIS and printer)

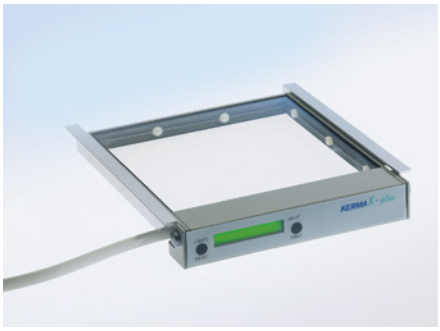
IBA Dosimetry · KermaX plus TinO IDP



Highlights
Two in One – Dose Area Product and dose measurements in one Chamber.
Rectangular, transparent ionization chamber with integrated 10-digit internal background lighting LCD display for easy and smart installation at collimator rails.

Measurement parameter:
- DAP rate: 0.01 µGym^2/s – 3,000 µGym^2/s
- DAP resolution: 0.01 µGym^2
- Interface (optional): RS232, RS485, CAN

IBA Dosimetry · KermaX plus IDP

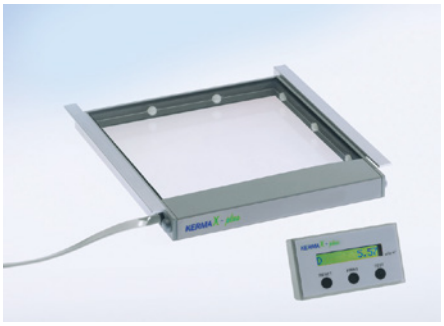


Highlights

Ideal solution for a quick and convenient retrofit installation to measure DAP and DAP rate for patient dose monitoring.
Rectangular, transparent ionization chamber with integrated 10-digit internal background lighting LCD display.

Measurement parameter:
- DAP rate: 0.01 µGym²/s – 3,000 µGym²/s
- DAP resolution: 0.01 µGym²
- Interface (optional): RS232, RS485

IBA Dosimetry · KermaX plus SDP

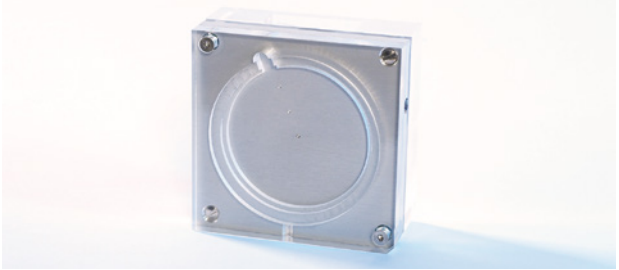


Highlights

Easy to install standard dosimeter dedicated to measure DAP and DAP rate for patient dose monitoring.
Rectangular, transparent ionization chamber and separate 10-digit background lighting LCD "Single Line Display".

Measurement parameter:
- DAP rate: 0.01 µGym²/s – 3,000 µGym²/s
- DAP resolution: 0.01 µGym²
- Interface: 1 x RS232 (RIS/HIS or printer)

QUART · dent / digitest Dental QA / QC Test Phantom



Highlights
- QUART dent / digitest 2D dental test phantoms are designed to assess x-ray imaging parameters according DIN and IEC QA / QC requirements.
- Features patient equivalent filtration and test objects to perform full-scale x-ray image quality analyses.

Parameters
- Spatial resolution
- High-contrast resolution
- Low-contrast resolution
- Homogeneity / artefacts
- Radiation field/tube alignment

QUART · didoEASY Diagnostic X-Ray Meters

Highlights
- The QUART didoEASY meters are designed for quick measurements of dose, dose rate and exposure time in X-ray QA / QC and service.
- didoEASY meters automatically compensate all radiation qualities in their area of application. Three meter versions are available: for R / F and Dental (40 – 160 kV), for Mammography (25 – 40 kV), and one for the full diagnostic range (25 – 160 kV).

QUART · dido2000 Series Diagnostic X-Ray Meters

Highlights

The QUART dido2000 series diagnostic x-ray dosemeters are used for QA and service in Radiography, (Pulsed) Fluoroscopy, DSA, Dental, 3D (CBCT), and Mammography.
- Compact multi-functional state-of-the-art solid state detector
- Enable measurements in spots with limited space
- Measurements behind scatter radiation grids
- Direct measurement of DWP in dental panoramic applications

TESTING DEVICES

QUART · didoSVM Precision Survey Meter

Highlights

- The QUART didoSVM Medical survey meter is designed to detect beta, gamma and x-ray sources of very low intensity around diagnostic x-ray equipment as well as in radiation therapy environments. Excellent energy response to measure radiation rate and dose.
- Its detection technology is based on solid-state components, enabling measurements with high sensitivity and very quick response.

QUART · didoCT Pencil Chamber Meter

Highlights

The QUART didoCT pencil-shaped ion chamber meter is designed for easy and precise dose-width product measurements.

- The meter does not require any pre-setting procedure for direct reading of DWP, rate and time.
- As an optional feature, the QUART didoCT can be supplied with free-in-air direct HVL measurement capability. This device feature is unique and had only been introduced by QUART in a CTDI chamber.

QUART · DSA Test Phantom

Highlights

- The QUART DSA phantom features longitudinal sliding technique to minimise structural movement artefacts in the test image. It complies with DIN 6868-4, 6868-150 and IEC 61223-3-3.
- A special characteristic of the phantom is that it realistically reproduces the injection procedure of the contrast agent into vessels with different attenuation properties.

QUART · DVT AP Cone-Beam CT Test Phantom

Highlights

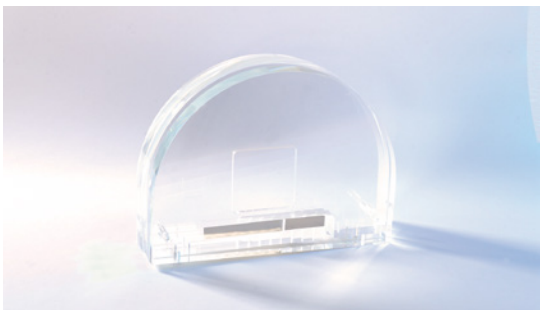
- The QUART DVT AP phantom is designed for QA / QC at Cone Beam CT (CBCT), Dental Volume Tomography (DVT) and 3D imaging equipment.
- It is to be used in dental 3D imaging (according DIN 6868-161 requirements) as well as angiography in C-arm x-ray applications (manufacturer-specific applications). Based on latest research, the solution can also be utilised for standard CT IQ tests.

QUART · DVT 150 CBCT IQ Test Phantom

Highlights

- The QUART DVT 150 phantom is designed to meet the requirements of the German DIN 6868-150 x-ray imaging acceptance test standard.
- Handling and positioning of the phantom is easy and straight-forward. It enables quick and simple contrast resolution tests for 3D, ENT and angiography x-ray applications.

QUART · mam / digi Mammography IQ Phantom



Highlights

- The QUART mam / digi phantom is designed to be used as universal tool for QA / QC routine testing in Digital and Analog Mammography. The phantom creates a link between technical and clinical image quality. It can also be used as QA tool for Digital Tomosynthesis.
- The phantom incorporates QUART's unique Landolt ring objects. They serve to verify low-contrast and perceptibility limits.

QUART · SP dl R/F IQ Phantom

Highlights
- The QUART SP_dl phantom enables assessment of digital x-ray equipment according to the German DIN 6868-150 and DIN 6868-4.
- The phantom is available with a unique kV test object to assess radiation quality and generator performance on a routinely basis.
- For ease of use, a frame / extension is provided as well as a wire-mount system for use with wall stand units.

QUART · nonius Electronic X-Ray Ruler

Highlights
- The QUART nonius is a sophisticated, fully electronic x-ray ruler to verify size and geometrical properties of x-ray fields in Radiography and Mammography. It can also be used to analyse fanned CT or dental OPG x-ray beams.
- Its resolution capabilities and precision go down into to the nonius range of 0.1 mm!
- Take only 3 steps to obtain the test result: Position – Expose – Evaluate.

Radcal · ACCU-GOLD+

Highlights
- Extensive Sensor Selection
- Both Solid State and Gold Standard Ion Chamber Technology
- Rapid Simultaneous Measurements
- The Smallest Footprint Solid State Sensor
- Customizable Software
- Replaces first generation Accu-Gold Diagnostic System
- Wireless connectivity available using Nugget device

Radcal · ACCU-DOSE+

Highlights
- The newest member of the Accu-Gold family
- Dose Measurement System with Wireless connectivity
- Gold Standard Ion Chamber Sensors & Solid-state Dose Diode Sensors
- Excellent Solution for Radiography, Fluoroscopy, Mammography, CT & Dental applications
- Dose-oriented set of functionality including Dose, Dose Rate, Waveform, Pulse, dose / pulse & Exposure time
- Several display options & customizable software

Radcal · DAP Analyzers

Highlights
- PDC (Patient Dose Calibrator)
- Use to calibrate DAP (Dose Area Product) meters
- Measures and displays DAP / Rate, Dose / Rate
- Optical and radiographic alignment markers
- Simple to use with optional computer control

TESTING DEVICES

Radcal · RAPID-GOLD+

Highlights

- Accu-Gold+ Technology
- An excellent solution when using Solid State Sensors for Diagnostic, Dental and Mammography X-Ray
- Optional mA / mAs invasive or Non-invasive measurement sensors
- Replaces first generation Rapid-Gold
- Wireless connectivity available using Nugget device

RTI · Black Piranha

Highlights

Simply plug 'n' play. The new RTI Black Piranha brings a quickness and power to your X-ray Quality Assurance work flow. The Black Piranha includes what you would expect in a multifunction meter. Connection to various accessories, tablet and PC is automatic – just plug'n'play. The Quick Check feature identifies the probes you insert and selects the optimum Piranha settings for your measurements. You can even easily program your own default start-up screen. The Black Piranha can measure on Rad, Fluoro, Dent, Mammo, and CT.

RTI · Cobia Smart

Highlights

Cobia Smart is a straightforward and simple-to-use instrument for checking that the output from an X-ray tube is correct. Place it beneath the X-ray tube, make an X-ray exposure, and rapidly get an accurate reading. The measured values can be read directly from Cobia Smart's large and clear display, even from a distance. No adjustments are required, making it exceptionally easy to use.

RTI · Cobia Flex

Highlights

Cobia Flex belongs to the straightforward and simple-to-use instrument from RTI. It has all the same smart design and easiness as the Cobia Smart but will also give you the possibility to connect to external dose probes and extra gadgets as well as RTI's X-ray QA Software, Ocean.

RTI · Ocean 2014

Highlights

Ocean is RTI's versatile software for X-ray Quality Assurance. By using Ocean you will speed up your total working process and minimize your time in X-ray room. With Ocean you can plan your measurements at your desk in advance, create checklists, add information as a pop-up window for a specific exposure and include instructions to simplify the work for you and your co-workers. After that, you perform your measurements and if needed print out the report.

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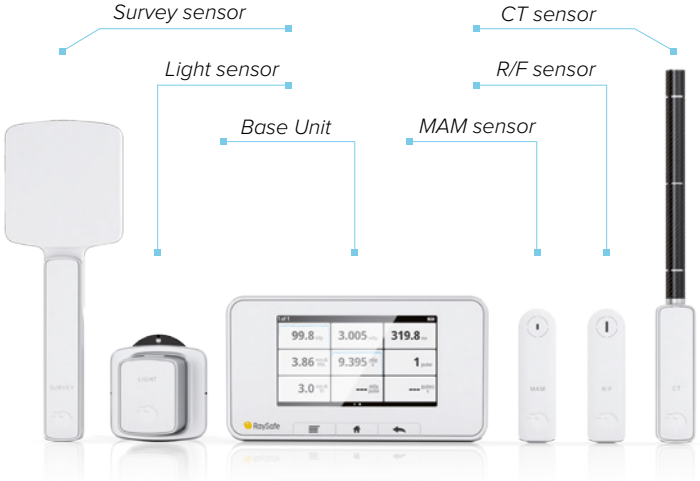
RaySafe X2 – in action

Imagine a testing environment where you can plug in your test tool, not worry about settings nor sensor positioning nor other setup complications and get results fast. Then trust that you can do this reliably, measurement after measurement after measurement...

The RaySafe X2 delivers that experience and more. Customer after customer has switched to the RaySafe X2 and come away pleased. Service organizations are standardizing on this device. Physicists too. Why shouldn't you?



THE RAYSAFE X2 OFFERS

- State-of-the-art sensor technology combined with a new user interface that is so simple to use
- Precise scatter/leakage measurements in the X-ray energy range with the new X2 survey sensor
- Full range of measurements for R/F, MAM, CT, Light, Survey and mAs applications

OUR BREADTH OF PRODUCTS

We manufacture products and solutions that help our customers avoid unnecessary radiation. Solutions include quality assurance devices for X-ray equipment, a real-time dose monitoring system for medical staff, as well as scatter measuring survey meters and phantoms.

www.raysafe.com info.de@raysafe.com +49 731 175 492 0

RaySafe™
A Fluke Biomedical Company

TESTING DEVICES CES

Unfors · RaySafe i2

Highlights

The RaySafe i2 is an active dosimetry system providing real-time insights around personal radiation exposure. Operators can pre-set limits on dose to keep exposure below legal limits. The i2's color-coded indicators provide at-a-glance access to exposure levels. Mirroring the latest personal electronics, the i2 dosimetry system offers touchscreen technology.

Unfors · RaySafe Solo CT

Highlights

The RaySafe Solo CT shares the same patented technology as the rest of the RaySafe line. Designed to rapidly measure CT applications, the Solo CT requires less than one minute to take the first exposure, including dose and dose length.

Unfors · RaySafe Solo DENT

Highlights

The RaySafe Solo DENT shares the same patented technology as the rest of the RaySafe line. Designed to rapidly measure dental x-ray equipment, the Solo DENT requires less than one minute for set up.

Unfors · RaySafe Solo DOSE

Highlights

The RaySafe Solo Dose measures dose, dose rate, time and pulses on both radiographic and fluoroscopic X-ray machines, sharing the same patented technology as the rest of the RaySafe line.

Unfors · RaySafe Solo MAM

Highlights

The RaySafe Solo MAM shares the same patented technology as the rest of the RaySafe line. Designed to rapidly measure MAM applications, the Solo MAM requires less than one minute to take the first exposure.

Unfors · RaySafe ThinX

Highlights

The RaySafe ThinX is a compact tool for quick, easy results across multiple parameters. Its fully automatic interface makes it the easiest tool to use – turning itself on when radiation is detected! Featuring patented technology, the ThinX automatically corrects itself for beam filtration.

Unfors · RaySafe X2

Highlights

The RaySafe X2 is a single device that offers full range of measurements, an intuitive interface, and simplicity. Our advanced, groundbreaking sensor technology is ready to take exposures in one minute with no menus or settings. Designed to register R/F, MAM, CT, survey, and light applications, the X2 requires little or no manual operation.

Unfors · RaySafe Xi

Highlights

The RaySafe Xi is a modular system. Whether you need one modality or multiple ones, it can be modified based on need. Its two key operation interface makes it easy to use and quick to set up for the first exposure. Compact yet powerful, the Xi is preferred by leading manufacturers of x-ray equipment.

VacuTec · VacuDAP / VacuDAP duo

Highlights

The VacuDAP family provides a wide range of DAP and Dose measuring solutions for most of the diagnostic X-ray systems in the market.

Technical specs

- Resolution DAP: 0,01 µGym²
- Resolution Dose: 0,003 mGy
- Interface: RS485, RS232, Bluetooth, CAN
- Active area: (123 x 123) mm / (147 x 147) mm

VacuTec · VacuDAP-C / VacuDAP-C duo

Highlights

The VacuDAP-C systems for measurement of DAP and Dose are basically integrated in interventional devices with customized calibration settings.

Technical specs

- Resolution DAP: 0,01 µGym²
- Resolution Dose: 0,005 mGy
- Interface: RS485, RS232, Bluetooth, CAN
- Active area: Ø (8 . . . 100) mm

VacuTec · VacuDAP wireless / VacuDAP Bluetooth

Highlights

- VacuDAP chamber is now available with Wi-Fi or Bluetooth technology.
- Perfect suitable for DR upgrades and mobile X-ray units.
- The battery ensures simplest installation ever.

Technical specs

- Resolution DAP: 0,01 µGym²
- Active area: (123 x 123) mm / (147 x 147) mm
- Battery operation time: about 12 h

VacuTec · VacuTec AEC Sensor

Highlights

Digital interface ensures EMC stable signal transmission and provides an open dose working range.

Technical specs

- Tube voltage: 40 kV . . . 150 kV
- Dose rate range: 0.5 . . . 1,000 µGy/s
- Aluminium equivalent: 0.75 mm Al
- Analog interface: ramp voltage 0 – 10 V
- Digital interface: differential pulses (RS422)
- Resolution: 0.025 µGy
- Pulse width: 2 µs

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IBA Dosimetry GmbH Bahnhofstr. 5 90592 Schwarzenbruck, Germany tel +49 91 28 607-14 dosimetry-info@iba-group.com www.iba-dosimetry.com																	172 173 174 175
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Roesys GmbH Dr.-Max-Ilgner-Str. 2 32339 Espelkamp, Germany tel +49 57 72 915 55 00 info@roesys.de www.roesys.de	roesys Digital X-Ray Systems											100 109 128					

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Technix S.p.A. Via Fermi 45 24050 Grassobbio (BG), Italy tel +39 035 384 66 11 technixd@technix.it www.technix.it							54				118					
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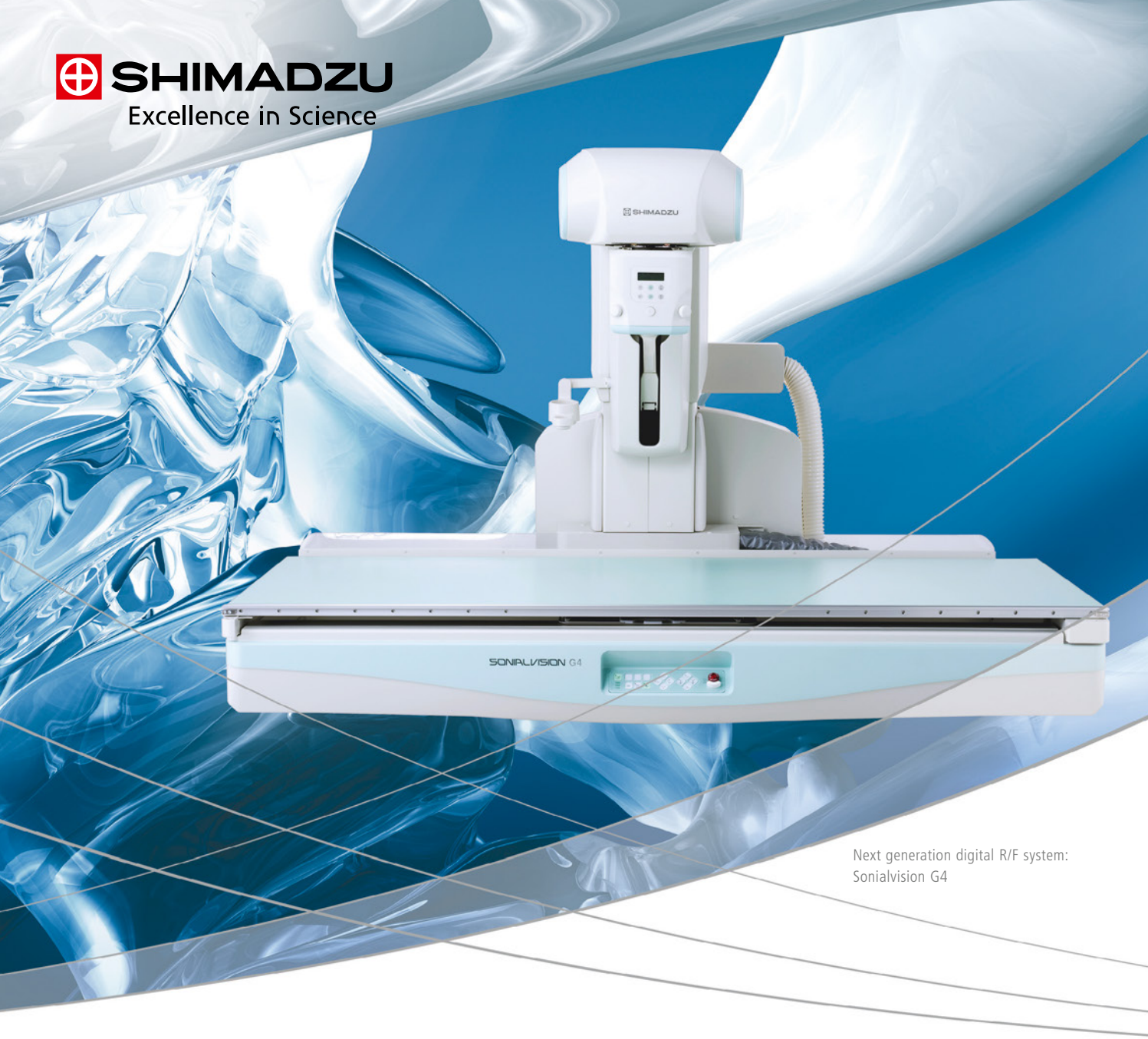
Excellence in Science



Next generation digital R/F system:
Sonialvision G4

Best-in-class

Equipped with the largest available FPD at 43 x 43 cm and Shimadzu's digital imaging platform, the Sonialvision G4 covers the widest possible range of examinations with inter-departmental hospital capability. In both functionality and operability, the Sonialvision G4 multipurpose R/F table is far beyond other R/F systems. It provides "Best-in-class" features.

Smart system architecture
supports outstanding clinical flexibility for a wide range of examinations

Comprehensive dose management package
ensures today's highest safety of patients and operators

Excellent image quality
provided by the the state-of-the-art "SUREengine Advance" technology enhancing the entire image for clearer details

Premium application software
supporting useful applications, such as motion-tolerant DSA, slot radiography and tomosynthesis

www.shimadzu-medical.eu/sonialvision-g4

SONIALVISION G4
Multipurpose digital R/F system

Workstations

Multimodality	Mammography	Orthopedics	Cardiology	CAD
Impax Clinical Applications	Impax Mammography	Impax Clinical Applications	Impax Clinical Applications	
ZillionRead	ZillionRead	ZillionRead	ZillionRead	CAD for Tuberculosis CAD for Mammography
CHILI Diagnost	CHILI Diagnost	CHILI Diagnost	CHILI Diagnost	Partner-Solution
Suitestensa Review	Suitestensa MG	Suitestensa Review	Suitestensa Review Cardio	
ETIAM Web Diffusion ETIAM Paper Printing Solution		ETIAM MACS		
Centricity PACS Universal Viewer Universal Viewer Zero Footprint XDS enabled	Centricity PACS Universal Viewer web client provides Breast Imaging tools powered by IDI	Centricity PACS Universal Viewer with integrated Traumacad by Voyant Health	Centricity Cardio Enterprise	Centricity PACS Universal Viewer client embeds advanced visualiza powered by AW
iQ-VIEW PRO	iQ-VIEW PRO MAMMO TOMO	iQ-VIEW PRO OrthoView	iQ-VIEW PRO 4D	
ITZ Hyper.PACS	ITZ Hyper.PACS	ITZ Hyper.PACS Hectec RSA-Biomedical Localite	Hyper.PACS PIE-Medical (Esaote) Tomtec	ITZ Hyper.PACS MPR / MIP / 3D mint
Acies ImagePilot	Acies	Acies		Acies
		mediCAD Classic mediCAD 3D mediCAD.cloud mediCAD Veterinary		mediCAD Classic mediCAD 3D mediCAD.cloud mediCAD Veterinary
ImageVision Diagnost	MammoView	ImageVision Basic	ImageVision Diagnost	MammoView CAD
IntelliSpace PACS Radiology IntelliSpace Portal	IntelliSpace PACS IntelliSpace Breast		IntelliSpace cardiovascular	
PROPAXX and / or CONAXX 2		PROPAXX and / or CONAXX 2		
syngo.via PACS *syngo*.plaza	*syngo*.via PACS *syngo*.plaza	MediCAD (HECTEC) *syngo*.via PACS *syngo*.plaza	Cardiovascular Imaging and Information Solution / *syngo* Dynamics *syngo*.via	*syngo* CAD Applications *syngo*.via PACS *syngo*.plaza

	Advanced Visualization	
	Impax Clinical Applications	**Agfa HealthCare** Septestraat 27 · 2640 Mortsel, Belgium tel +32 3 444 94 44 agfahealthcareinfo.be@agfa.com · www.agfa.com
	ZillionRead	**DelftDI, a Canon company** Wiltonstraat 41, 3905 KW Veenendaal, The Netherlands tel +31 318 583 400 info@delftdi.com · www.delftdi.com
	Partner-Solution	**CHILI GmbH** Friedrich-Ebert-Str. 2 · 69221 Dossenheim/Heidelberg, Germany tel +49 6221 1 80 79 10 sales@chili-radiology.com · www.chili-radiology.com
	Suitestensa 3D Suitestensa Vascular	**EBIT S.r.l. – Esaote Group** Via Siffredi 58 · 16153 Genoa, Italy tel +39 010 65 47-464 info@ebit.it · www.esaote.com/healthcare-it
		EDL SAS 1031, chemin de la Seyne à Bastian, 83500 La Seyne-sur-mer, France tel +33 4 94 10 99 95 pheuer@edl.fr · www.xplore.eu
	ETIAM MACS	**ETIAM** ZA de la Hallerais, 11 rue du Bois de Soeuvres, 35770 Vern-sur-Seiche, France tel : +33 2 99 14 33 88 info@etiam.com · www.etiam.com
web ation	Centricity PACS Universal Viewer web client embeds advanced visualization powered by AW	**GE Healthcare** Lerchenbergstr. 15 · 89160 Dornstadt, Germany tel +49 7348 9861-0 response@med.ge.com · www.gehealthcare.com
	iQ-VIEW PRO 4D	**IMAGE Information Systems Europe GmbH** Lange Str. 16 · 18055 Rostock, Germany tel +49 381 496 58 20 info@image-systems.biz · www.image-systems.biz
		i-SOLUTIONS Health GmbH Am Exerzierplatz 14 · 68167 Mannheim, Germany tel +49 621 39 28-0 info@i-solutions.de · www.i-solutions.de
	ITZ Hyper.PACS mint Terarecon Median	**ITZ Medicom GmbH & Co. KG** Siemensring 44 a · 47877 Willich, Germany tel +49 2154 497960 info@itz-medi.com · www.itz-medi.com
	Acies	**Konica Minolta Medical & Graphic Imaging Europe B.V.** Hoogoorddreef 9 · 1101 BA Amsterdam, The Netherlands tel +31 20 658 41 00 info-nl@mg.konicaminolta.eu · www.konicaminolta.eu/healthcare
		mediCAD Hectec GmbH Opalstr. 54 · 84032 Altdorf, Germany tel +49 871 33 02 03-0 info@mediCAD.eu · www.mediCAD.eu
	ImageVision Diagnost	**medigration GmbH** Am Anger 2 · 91052 Erlangen, Germany tel +49 91 31 690 87-48 info@medigration.de · www.medigration.de
	IntelliSpace Portal	**Philips Healthcare** P.O. Box 10.000 · 5680 DA Best, The Netherlands tel +31 40 278 56 00 healthcare@philips.com · www.philips.com/healthcare
	PROPAXX and / or CONAXX 2	**PROTEC GmbH & Co. KG** In den Dorfwiesen 14 · 71720 Oberstenfeld, Germany tel +49 7062 92550 protec@protec-med.com · www.protec-med.com
	syngo.via	**Siemens Healthineers Headquarters** Siemens Healthcare GmbH Henkestr. 127 · 91052 Erlangen, Germany tel +49 9131 84-0 www.siemens.com/healthineers

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RAX
technology

Multitom Rax: Join the new movement with robotic X-ray

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In today's healthcare environment, excellent patient care and outstanding productivity often compromise each other. Multitom Rax[1)] puts an end to "either/or". Robotic Advanced X-ray – RAX – supports you in streamlining clinical pathways while improving diagnostic insights and treatments.

How? With one scanner that offers a multitude of X-rays – in just one room and at an expert level. With movements that create natural Real 3D[2)] images – even under weight-bearing conditions.

With an open design that reduces patient transfers, pain, and anxiety while offering more space to perform interventions. With twin robots to simplify, standardize, and speed up operations. All with the goal of accelerating productivity and allowing humans to do what they do best – care for patients.

Prepare yourself for the future with the world's first Twin Robotic X-ray scanner – achieving a new level of excellence with regard to diagnostic insights and treatments.

RAX – Robotic Advanced X-ray – opens up exciting new movements for enhanced patient care and outstanding productivity.

[1)] Multitom Rax is not commercially available in all countries. Due to regulatory reasons its future availability cannot be guaranteed. Please contact your local Siemens organization for further details. [2)] Option, only in combination with additional workstation syngo X workplace.

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