€ 19.-

RAD BOOK 2021

The Guide to Imaging Technology and Informatics in Europe

Vol. 15

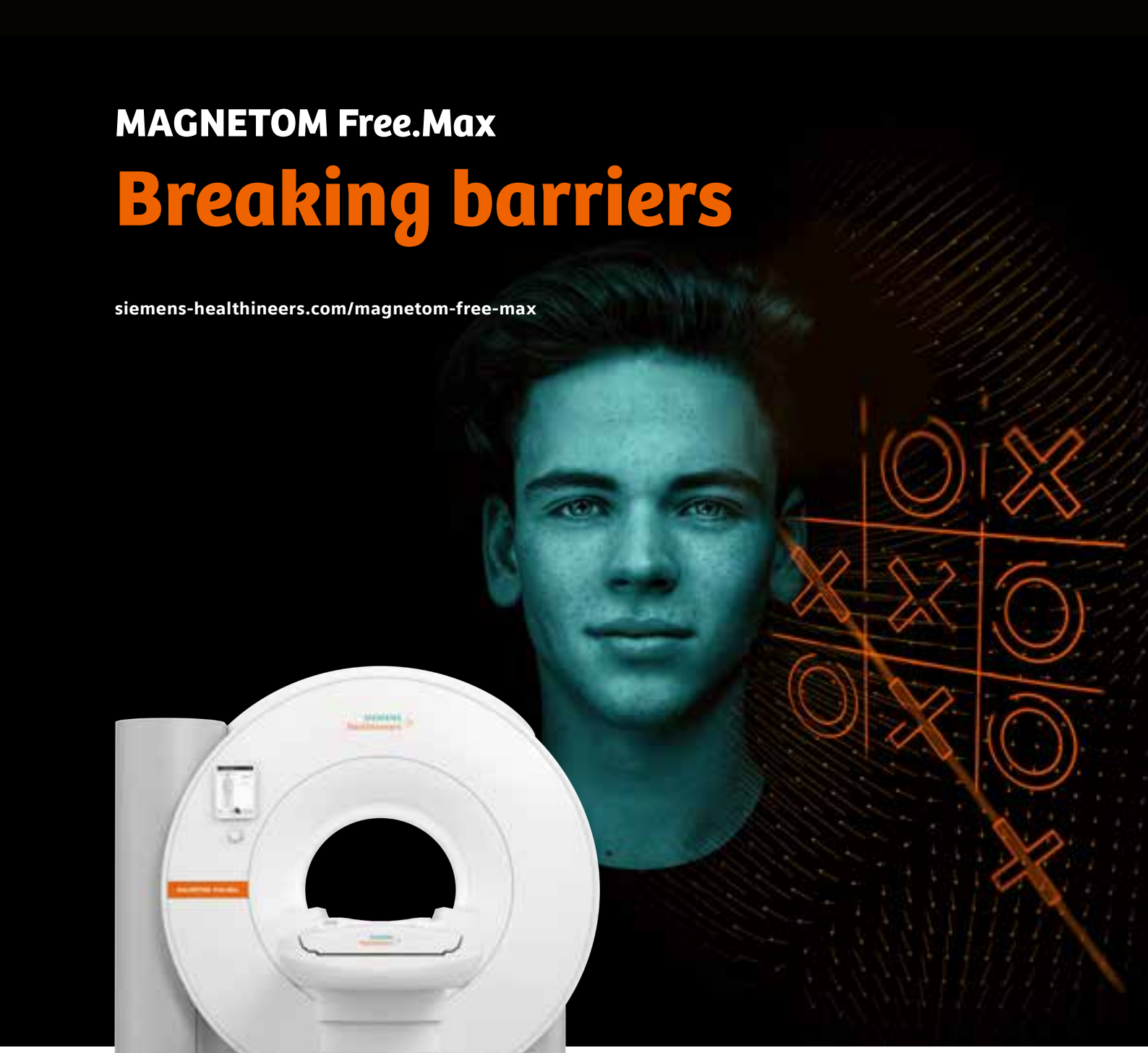
MAGNETOM Free.Max* breaks barriers to expand the reach of MRI. Introducing the world's first 80-cm patient bore and High-V MRI, MAGNETOM Free.Max redefines MRI accessibility and opens up new clinical opportunities.

**The product is pending 510(k) clearance, and is not yet commercially available in the United States. Its future availability cannot be guaranteed.*

MAGNETOM Free.Max

Breaking barriers

siemens-healthineers.com/magnetom-free-max



MAGNETOM Free.Max[1] breaks barriers to expand the reach of MRI. Where patients have felt discomfort, the world's first 80 cm bore sets a new paradigm in patient comfort. Where infrastructure was an obstacle to MRI, MAGNETOM Free.Max slots into an existing helium-free infrastructure. Where access to MRI was not viable, MAGNETOM Free.Max makes access affordable. And where conventions have limited our thinking, MAGNETOM Free.Max breaks out of conventions to explore new clinical opportunities in MRI.

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SIEMENS Healthineers

Dear Reader,

in the first year of the pandemic start-up companies in particular showed how effectively AI algorithms can support the diagnosis of COVID-19. When many human physicians simply lacked experience diagnosing a corona infection the AI software took only seconds to recognize it.

The pandemic, moreover, highlighted the importance of interlinked and mobile structures to be able to maintain the healthcare system in times of crisis. What's to be done when the radiologist is in quarantine and the team's workload is ever increasing due to more physicians and more patients being ill? The answer many radiology departments opted for: home office and mobile solutions that allow the specialists to access images and reports from anywhere.

A clear trend towards increased mobility can also be observed with regard to examination equipment. Mobile DR systems were hard to come by even at the beginning of the pandemic and in the course of the year more and more CT scanners where taken on the road – in the very literal sense – to quickly increase diagnostic capacities where needed.

With this new issue of the RADBook we want to highlight once more the innovative and performant solutions companies come up with to support radiologists in their daily work.

Stay safe and enjoy reading!

Your editorial team
Daniela Zimmermann and **Guido Gebhardt**

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Products & Solutions

Computed Tomography

Dual Source CT

Siemens Healthineers · Somatom Force

Power	Gantry bore	Scan speed
240 kW	78 cm	Up to 737 mm/s

Highlights

- Bring image quality to the next level with Vectron X-ray tube
- Significantly reduced contrast media amounts required with low kV imaging
- Ultra low dose and "free-breathing" CT with outstanding native temporal resolution
- FAST Integrated Workflow with FAST 3D Camera to get two steps ahead in patient positioning
- Dual Source Dual Energy
- Dynamic imaging up to 80 cm
- Temporal resolution: 66 ms (full body)

Siemens Healthineers · Somatom Drive

Power	Gantry bore	Scan speed
200 kW	78 cm	Up to 458 mm/s

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
- FAST Integrated Workflow with FAST 3D Camera drives precision in patient positioning
- Dual Source Dual Energy
- Dynamic imaging up to 48 cm
- Temporal resolution: 75 ms

Volume CT

Canon · Aquilion One / Prism Edition

Power	Gantry bore	Scan range
100 kW	78 cm	150 / 200 cm

Highlights

- Advanced intelligent Clear-IQ Engine (AiCE)
- Artificial intelligence in scanning and processing
- PURE ViSION Optics imaging chain
- 0.275 s rotation
- 16 cm coverage
- 640 slices/rotation
- 0.17 mm spatial resolution
- SURE Position patient centring
- Lateral table movement
- 300 kg patient table
- SEMAR (Metal Artefact Reduction)
- Wide range of Cardiac and Spectral applications
- Isophasic organ perfusion
- CT Fluoroscopy

Canon · Aquilion One / Prism Edition 350

Power	Gantry bore	Scan range
100 kW	78 cm	150 / 200 cm

Highlights

- Advanced intelligent Clear-IQ Engine (AiCE)
- Artificial intelligence in scanning and processing
- PURE ViSION Optics imaging chain
- 0.35 s rotation
- 16 cm coverage
- 640 slices/rotation
- 0.17 mm spatial resolution
- SURE Position patient centring
- Lateral table movement
- 300 kg patient table
- SEMAR (Metal Artefact Reduction)
- Wide range of Cardiac and Spectral applications
- Isophasic organ perfusion
- CT Fluoroscopy

Canon · Aquilion One / Genesis Edition

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100 kW	78 cm	150 / 200 cm

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Tubes available in USA and Europe for Revolution Evo and Optima CT660

First installations of Dunlee liquid metal bearing CT replacement tubes in the US

Dunlee announces that it has successfully installed its first CT replacement tubes with liquid metal bearing (LMB): the new DA200P40+LMB tube with Dunlee CoolGlide technology. Prior to this first installations, the DA200P40+LMB tube with Dunlee CoolGlide technology was rigorously tested at both Dunlee's facility and on independent external gantries to confirm that it will perform reliably in both GE Revolution Evo and Optima CT660 CT scanners.

"Having an alternative helps our customers – and the patients and hospitals they serve – in offering affordable healthcare, and allows them to choose their partner of trust. We are pleased to have this CT replacement tube with liquid metal bearing now available with verified compatibility," says Alexander Eitel, Head of Marketing & Business Development. Eitel adds that while initially, the DA200P40+LMB tube will only be offered for the GE Revolution Evo and Optima CT660 CT scanners, future plans include validation for additional GE scanners.

Manufactured in the USA

All DA200P40+LMB tubes are manufactured in Illinois, USA with imported parts. The Liquid Metal Bearing with CoolGlide is designed and manufactured in Germany, based on knowledge gained from over 30 years of LMB technology development and over 100,000 LMB units sold worldwide. It was developed by the research and development team that was the first in the world to bring LMB technology to the X-ray market in 1989.

Global distribution planned

Future plans include global distribution. Dunlee also plans to finalize registration for Canada and the Middle East region in the first half of 2021, followed by a product launch in China in 2022.

Choose your partner

With Dunlee's high-quality replacement tubes at a competitive price, you can manage costs and maintain scanner uptime. Partner with Dunlee for reliable tubes, friendly service and outstanding support.

www.dunlee.com

About Dunlee

Dunlee has over 100 years' experience in developing, producing and integrating innovative components for imaging systems. Serving both the OEM and replacement markets, Dunlee offers a comprehensive portfolio of reliable X-ray tubes, high voltage generators, detectors and product packages for CT, as well as solutions for interventional radiology, MRI and nuclear medicine. It offers support during development and throughout the product lifecycle, contributing to its customers' efficient production and go-to-market strategies.

Volume CT

Canon · Aquilion Precision

Power	Gantry bore	Scan range
72 kW	78 cm	170 / 200 cm

Highlights

- Advanced intelligent Clear-IQ Engine (AiCE)
- Artificial intelligence in scanning and processing
- PUREViSION Optics imaging chain
- 2048 matrix reconstruction
- 0.1 mm spatial resolution
- 6 focal spot tube
- 0.35 s rotation
- Up to 320 slices/rotation
- SUREPosition patient centring
- Lateral table movement
- 300 kg patient table
- SEMAR (Metal Artefact Reduction)

Canon · Aquilion Prime SP

Power	Gantry bore	Scan range
72 kW	78 cm	150 / 200 cm

Highlights

- Advanced intelligent Clear-IQ Engine (AiCE)
- Artificial intelligence in scanning and processing
- PUREViSION Optics imaging chain
- 0.23 mm spatial resolution
- 0.35 s rotation
- 4 cm coverage
- Up to 160 slices / rotation
- SUREPosition patient centring
- Lateral table movement
- 300 kg patient table
- SEMAR (Metal Artefact Reduction)
- Iterative 3D Fluoro
- Low dose cardiac scanning

Canon · Aquilion Lightning SP

Power	Gantry bore	Scan range
50.4 kW	78 cm	150 / 200 cm

Highlights

- Advanced intelligent Clear-IQ Engine (AiCE)
- Artificial intelligence in scanning and processing
- PUREViSION low dose detector
- 0.25 mm spatial resolution
- 0.5 s rotation
- 4 cm coverage
- Up to 160 slices / rotation
- SUREPosition patient centring
- Lateral table movement
- 300 kg patient table
- SEMAR (Metal Artefact Reduction)
- vHP, variable helical parameters
- Iterative 3D Fluoro

Hitachi · Scenaria View

Power	Gantry bore	Scan range
72 kW (84 kW optional)	80 cm	200 cm

Highlights

- Open design concept with aperture diameter of 800 mm
- New algorithms for iterative reconstruction: Intelli IPV
- SynergyDrive optimizes the workflow with Hitachi's automation and acceleration technology
- Minimum scan time for all types of examination: 0.35 seconds/rotation
- Minimum slice thickness: 0.625 mm
- Unique laterally moving patient table (total: 200 mm)
- 650 mm wide patient table with weight limit of 250 kg
- Slices per rotation 64 / 128
- Dual Energy Scan

Hitachi · Supria 64 / 128

Power	Gantry bore	Scan range
51 kW	75 cm	180 cm

Highlights

- 5 MHU X Ray tube
- Sub second scan time for all examinations
- 0.625 mm minimum slice thickness
- 75 cm wide gantry bore for improved patient experience
- The compact footprint needs small installation space
- Iterative reconstruction algorithm for low dose examinations: Intelli IP Advanced
- Intuitive GUI design with 24-inch wide monitor
- Slices per rotation: 64 / 128
- System footprint: 13.5 m^2

The Mobile Trailer is placed at the hospital or clinic and ready to use within one hour. It has two entrances: one for patients (both mobile and non-mobile) and one for staff that enters the control room.

Providing Mobile Solutions for the COVID-19 Frontline

With public health issues continuing to make daily mainstream news headlines across the world, it is clear how much change the healthcare environment is going through. Not only are there existing pressures on resources, space, staff, certain procedures, and budgets, but there are brand new ones resulting from the ongoing global COVID-19 pandemic. This has led to an even greater need for flexibility, affordability, and rapid response in medical imaging solutions.

The Mobile Trailer is developed with the highest safety regulations in mind to ensure a comfortable environment for patient and staff. It features a generous working area, including a separate control room, specified to GDPR regulations, with air conditioning, patient monitors, outside surrounding monitors, telephone and PACS connections, contrast control panel, comfortable chairs for the operators and privacy glass. It also features a spacious scan room, which is fully air-conditioned and can be monitored easily. Wall and ceiling art, dimmable lighting that can be changed to different colors, and calming music, help the patient feel more comfortable and relaxed during their examination.

The trailer is equipped with an Aquilion Prime SP with Advanced intelligent Clear IQ Engine (AiCE), Healthcare IT Vitrea Advanced Visualization, Bayer / MEDRAD Stellant D Dual Syringe CT Injection System, Huntleigh LifePulse ECG-monitor, and contrast oven. The wide bore medical equipment provides a non-claustrophobic experience for the patient. Patients restricted to beds can be maneuvered into the trailer via the patient lift. The trailer has a waiting and dressing room, washing facility, panic button, and a separate stair entrance for mobile patients.

This mobile imaging solution can provide excellent support for customers to meet peaks in demand, extend capacity for a longer period, cover a period of planned downtime, or as a rapidly deployed back-up. The deployment model ensures that the trailer can be quickly transported to wherever needed. Before delivery, Canon Medical carries out a site survey to ensure seamless installation prior to delivery.

The aim is to always ensure 100 percent uptime and 100 percent satisfaction through Canon Medical's outstanding European customer and service support. Renting equipment such as this Mobile Trailer, enables clinical teams to access the latest technological developments and enhancements, while the responsibility for servicing the equipment lies with Canon Medical, as per the rental agreement. Renting equipment can be a rewarding solution to fulfil immediate clinical needs while avoiding larger capital investments.

Want to know more about the Mobile Trailer? Discover all the details of this Mobile Imaging Solution in the Computed Tomography section or contact us via eu.medical.canon

The control room consists of a scan console, injector console, display console and also features the latest Vitrea Advanced Visualization technology.

The scan room is decorated with wall and ceiling art to help the patient feel relaxed.

The Mobile Trailer is the perfect temporary solution, driving to wherever it is needed.

Volume CT

Siemens Healthineers · Somatom X.cite

Power	Gantry bore	Scan speed
105 kW	82 cm	Up to 218 mm/s

Highlights

- myExam Companion is a unique approach in CT operation powered by AI, designed to optimize the exam to the individual patient
- Patient-friendly design with an 82 cm bore and a tablet-based mobile workflow to maximize patient proximity.
- FAST 3D Camera drives precision in patient positioning
- Large power reserves of 1200 mA with low-kV and Tin Filter for dose-optimized scanning even for bigger patients
- Cardiac, Spectral and 4D imaging at high quality and low dose – outperforming all other single source systems

Siemens Healthineers · Somatom Edge Plus

Power	Gantry bore	Scan speed
100 kW	78 cm	Up to 230 mm/s

Highlights

- Tin Filters – bringing CT doses to those expected in a routine X-ray series
- FAST Integrated Workflow with FAST 3D Camera drives precision in patient positioning
- High Power 70 & 80 and 10 kV Steps helps to obtain high quality images despite large patient diversity
- Cardiac and 4D imaging at high quality and low dose
- TwinBeam Dual Energy without dose penalty
- Pitch of up to 1.7 allows scanning of 230 mm/s thus minimizing motion artifacts

Siemens Healthineers · Somatom go.Top

Power	Gantry bore	Scan speed
75 kW	70 cm	Up to 175 mm / s

Highlights

- myExam Companion as unique approach in CT operation powered by AI, designed to optimize the exam to the individual patient
- Well-conceived workflow solution with unique Mobile Workflow, GO Technologies and FAST 3D Camera
- Low-kV imaging, 10 kV Steps, Tin Filter, Stellar detector and iterative reconstruction enable dose-optimized scanning
- High temporal resolution for excellent cardiac imaging
- Holistic spectral imaging solution with TwinSpiral and TwinBeam Dual Energy
- System footprint: 7.4 m^2

20 to 64 Slices

Canon · Aquilion Lightning

Power	Gantry bore	Scan range
50.4 kW	78 cm	148 / 198 cm

Highlights

- Advanced Intelligent Clear-IQ Engine (AiCE)
- Artificial intelligence in scanning and processing
- PUREViSION low dose detector
- 0.5 s rotation
- 2 cm coverage
- Up to 32 slices / rotation
- SUREPosition patient centring
- 300 kg patient table
- SEMAR (Metal Artefact Reduction)
- vHP, variable helical parameters
- SUREStart iterative bolus tracking
- Iterative 3D Fluoro

Canon · Aquilion Start

Power	Gantry bore	Scan range
36 kW	78 cm	153 / 183 cm

Highlights

- AIDR 3D Enhanced iterative reconstruction
- Artificial intelligence in scanning and processing
- PUREViSION low dose detector
- 0.75 s rotation
- 1.6 cm coverage
- Up to 32 slices/rotation
- 220 kg patient table
- SEMAR (Metal Artefact Reduction)
- vHP, variable helical parameters
- SUREStart iterative bolus tracking
- SURESubtraction for superb iodine imaging

20 to 64 Slices

Fujifilm · FCT Speedia HD

Power	Gantry bore	Scan range
72 / 108 kW	75 cm	175 / 195 cm

Highlights

- 5 MHU tube
- Sub second scan time for all applications
- 0.675 mm minimum slice thickness
- Wide bore gantry for improved patient experience and operators' practice
- Compact footprint to maximize easiness of installation
- Advanced iterative reconstruction to allow low dose examinations
- Intuitive GUI with 24-inch color display
- Slices per rotation: 64 / 128
- System Footprint: 13.5 m^2

Hitachi · Supria 16 / 32

Power	Gantry bore	Scan range
51 kW	75 cm	180 cm

Highlights

- 5 MHU X Ray tube
- Sub second scan time for all examinations
- 0.625 mm minimum slice thickness
- 75 cm wide gantry bore for improved patient experience
- The compact footprint needs small installation space
- Iterative reconstruction algorithm for low dose examinations: Intelli IP Advanced
- Intuitive GUI design with 24-inch wide monitor
- Slices per rotation: 16 / 32
- Field of view: 500 mm

get up

The swivelling handle system for radiology

Safety for patients and health benefits for personnel

Febromed GmbH & Co. KG, the expert in delivery room equipment and medical accessories from Oelde, Germany, has developed 'get up', an innovative handle system for radiology. The new swivelling system was installed for the first time in a state-of-the-art CT scan room at the Institute of Diagnostic and Interventional Radiology and Neuroradiology at Essen University Hospital.

For a secure grip

Many patients find getting onto the examination table for a CT scan difficult. In particular, restricted mobility leads to uncertainty as the patient is positioned and arranged, thus placing increased physical strain on care personnel, predominately in the back area. The new 'get up' handle system from Febromed offers a solution: this swivelling system helps patients get onto the table before their scan and stand up again safely and comfortably afterwards. It minimises the risk of falling and provides a secure grip. It helps personnel by reducing the physical strain of their job. As a result, the organisation as a whole benefits: since the actual physical strain on personnel is significantly reduced, employee sick leave due to back pain is also minimised.

Positive experiences

After installing the handle system in May 2017, the Institute of Diagnostic and Interventional Radiology and Neuroradiology at Essen University Hospital has consistently had positive experiences. As Anton S. Quinsten, Ltd. MTRA, reports, "We are really happy with the 'get up' system from Febromed. The first few months have shown that the handle system is considered a real asset by both patients and personnel."

Space-saving and durable

The 'get up' handle system is designed for space-saving mounting on the ceiling and can be swivelled by 360°. The structure can be locked in 15° increments so that the system is always in the optimal position for the patient. This purely mechanical construction ensures easy handling and extended durability.

www.febromed.com

20 to 64 Slices

Siemens Healthineers · Somatom go.All

Power	Gantry bore	Scan range
75 kW	70 cm	Up to 200 cm

Highlights
- myExam Companion as unique approach in CT operation powered by AI, designed to optimize the exam to the individual patient
- Well-conceived workflow solution with unique Mobile Workflow, GO Technologies and FAST 3D Camera
- Low-kV imaging, 10 kV Steps , Tin Filter, Stellar detector and iterative reconstruction enable dose-optimized scanning
- System footprint: 7.4 m^2
- High temporal resolution and workflow automation facilitate easy cardiac examinations
- Holistic spectral imaging solution with TwinSpiral Dual Energy

Siemens Healthineers · Somatom go.Up

Power	Gantry bore	Scan range
32 kW	70 cm	Up to 200 cm

Highlights
- myExam Companion as unique approach in CT operation powered by AI, designed to optimize the exam to the individual patient
- Well-conceived workflow solution with unique Mobile Workflow, GO Technologies and FAST 3D Camera
- Tin Filter technology enables ultra-low dose-optimized scanning at the levels of conventional X-ray
- The Stellar detector keeps electronic noise low and increases dose efficiency
- Holistic spectral imaging solution with TwinSpiral Dual Energy
- First level cardiac assessment supported by calcium scoring evaluation
- System footprint: 7.4 m^2

Siemens Healthineers · Somatom go.Now

Power	Gantry bore	Scan range
32 kW	70 cm	Up to 160 cm

Highlights
- myExam Companion as unique approach in CT operation powered by AI, designed to optimize the exam to the individual patient
- Well-conceived workflow solution with unique Mobile Workflow and GO Technologies
- Tin Filter technology enables ultra-low dose-optimized scanning at the levels of conventional X-ray
- The Stellar detector keeps electronic noise low and increases dose efficiency
- System footprint: 7.4 m^2
- Longer lasting Chronon tube minimizes downtime and maximizes throughput
- Holistic spectral imaging solution with TwinSpiral Dual Energy

2 to 16 Slices

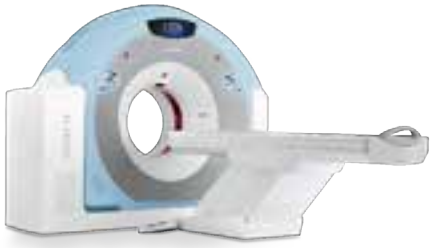
Fujifilm · FCT Speedia

Power	Gantry bore	Scan range
48 kW	75 cm	110 cm

Highlights
- 5 MHU tube
- Sub second scan time for all applications
- 0.675 mm minimum slice thickness
- Wide bore gantry for improved patient experience and operators' practice
- Compact footprint to maximize easiness of installation
- Advanced iterative reconstruction to allow low dose examinations
- Intuitive GUI with 24-inch color display
- Slices per rotation: 16 / 32
- System Footprint: 13.5 m^2

SternMed · Cytom 16

Power	Gantry bore	Scan range
60 kW	70 cm	160 cm



Highlights
- Ultra-fast, non-contact PowerLink gantry technology
- Slices per rotation: 16
- Slice thickness: 0.625, 1.25, 2.5, 5.0, 10 mm
- Lower dose, lower consumption
- Ultra-fast rare earth ceramic detector
- 24 rows detector, one-disc rotation collects 16 slices images
- 21,504 detector units
- Coverage of each single scan is 20 mm
- Multiple X-ray dose reduction technology
- Intelligent scattering line automatic elimination technology
- 120 second non-stop scanning

Mobile CT

Siemens Healthineers · Somatom On.site

Power	Gantry bore	Slices
35 kW	35 cm	32

Highlights
- Reduce in-hospital patient transports from the ICU to the radiology department by bringing the scanner to the patient instead of the other way around
- Consistent and reliable Somatom image quality at the point-of-care
- Stellar detector with low image noise for neuro imaging
- Iterative reconstruction and metal artifact reduction (iMAR and SAFIRE)
- Self-shielded system design for in-room patient scanning
- All-in-one concept with integrated accessories, e.g., shoulder board and head holder for neuro imaging
- Real mobility including integrated front camera for easy maneuvering

Mammo CT

AB-CT – Advanced Breast-CT · nu:view

Pixel size	Scan time	Detector type
100 µm	7 – 12 s	Direct converting

Highlights
Leading edge breast CT system for a revolutionary breast imaging experience
- Real 3D images with high isotropic resolution (voxel size: 150 µm)
- Superimposition-free, superb soft tissue differentiation
- Low dose in the range of mammograms
- Excellent patient comfort without compression
- Perfect for small / dense breasts, mastodynia, implants
- Unique single photon counting detector for highest sensitivity, accuracy and speed (direct conversion)

Conebeam CT

Cefla · NewTom 7G

FOV	Scan time	Pixel size
4 × 4 – 29 × 56 cm	7.2 – 26.0 s	90 – 500 µm

Highlights
Featuring a large gantry aperture, the 7G is the most advanced CBCT device on the market, applying Cone Beam technology for the first time to all areas of the body, including the spine, shoulder and hip. The 7G adapts FOVs and X-ray doses to the patient's build, and with a resolution of up to 90 µm, small complex structures such as the inner ear can be analysed with the utmost precision.

Cefla · NewTom Giano HR Range

FOV	Scan time	Pixel size
4 × 4 cm – 16 × 18 cm	14 s	68 µm – 100 µm

Highlights
Efficiency and innovation in a device generating HR images to capture the smallest details. Giano HR can be installed in one of three configurations.
- 3D Prime: 10 × 8 cm for all dental and implant planning needs.
- 3D Advanced: 13 × 16 cm with FOV for maximum endodontic resolution to complete ENT analysis.
- 3D Professional: 16 × 18 cm to investigate the entire dental-maxillofacial area and cervical spine.

Cefla · NewTom VGi evo

FOV	Scan time	Pixel size
5 × 5 cm – 24 × 19 cm	15 s	100 µm

Highlights
VGi evo combines technology, safety, comfort and a broad range of FOVs for acquisitions up to 24 × 19 cm. A wide range of volumetric, panoramic and teleradiographic examinations as well as dynamic X-rays are available. With the exclusive Eco Scan acquisition modes and SafeBeam technology, excellent image quality can be ensured with very low radiated doses to safeguard the patient's health.

Planmed Oy · Verity

FOV	Scan time	Pixel size
13 × 16 cm	18 s	127 µm

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

Oncology CT

Canon · Aquilion LB

Power	Gantry bore	Scan range
72 kW	90 cm	150 / 200 cm

Highlights

- 70 cm FOV
- 85 cm extended FOV
- Artificial intelligence in scanning and processing
- AIDR 3D iterative reconstruction
- PURE ViSION low dose detector
- 0.5 s rotation
- 3.2 cm coverage
- Up to 32 slices/rotation
- 300 kg patient table
- SEMAR (Metal Artefact Reduction)
- SURE Start iterative bolus tracking
- Respiratory gating
- Iterative 3D Fluoro
- Oncology table top

Canon · Aquilion Exceed LB

Power	Gantry bore	Scan range
72 kW	90 cm	150 / 200 cm

Highlights

- 70 cm FOV
- 90 cm extended FOV
- Advanced Intelligent Clear-IQ Engine (AiCE)
- Artificial intelligence in scanning and processing
- 0.4 s rotation
- 4 cm coverage
- 160 slices/rotation
- Dual Energy applications
- SURE Position patient centring
- CT Fluoroscopy
- Lateral table movement
- 300 kg patient table
- SEMAR (Metal Artefact Reduction)
- Respiratory gating
- Oncology table top

Siemens Healthineers · Somatom Edge Plus

Power	Gantry bore	Scan speed
100 kW	78 cm	Up to 230 mm / s

Highlights

- High speed scan, reconstruction and post processing in RT routine
- Slices per rotation: 128
- Optimize image quality for every patient by combining DirectDensity and 10 kV Steps
- Precise reduction of metal artifacts with iMAR
- Comprehensive motion management solutions for moving tumors
- Improve target delineation with TwinBeam and Dual Spiral Dual Energy scans
- Flexible CT imaging with Edge Plus Sliding Gantry

Oncology CT

Siemens Healthineers · Somatom go.Open Pro

Power	Gantry bore	Scan speed
75 kW	85 cm	Up to 200 mm / s

Highlights

- Direct i4D: First 4D CT scan mode to adapt to breathing patterns in real time for dramatic motion artifact reduction
- 4 cm detector coverage and 0.35 s rotation times for deep inspiration breath-hold scanning
- DirectORGANS: AI powered organs-at risk contouring directly at the CT console for advanced contouring results
- TwinSpiral Dual Energy scanning and Tin Filter for less variability in target contouring
- Direct Laser: Seamless integration of patient marking lasers and laser QA for time saving and error avoidance
- Large bore of 85cm with 60cm true scan Field of View; recon. slices per rotation: 128

Siemens Healthineers · Somatom go.Sim

Power	Gantry bore	Scan speed
75 kW	85 cm	Up to 200 mm / s

Highlights

- DirectORGANS: AI powered organs-at risk contouring directly at the CT console for consistent results
- Direct Laser: Seamless integration of patient marking lasers and laser QA for time saving and error avoidance
- Mobile Workflow: Re-designed workflows with mobile tablet and Sim&GO technology to increase efficiency and patient comfort
- DirectDensity: Personalized scanning and scan kV from 70 – 140kV (in steps of 10)
- 227 / 307 kg patient table (fully TG-66 compliant) with new flat table top
- Large bore of 85 cm with 60 cm true scan Field of View; recon. slices per rotation: 64

Siemens Healthineers · Somatom go.Up RT

Power	Gantry bore	Scan speed
32 kW	70 cm	Up to 42 mm / s

Highlights

- The mobile workflow brings an unparalleled level of flexibility and mobility to daily CT routines
- Confident tumor visualization thanks to automated metal artifact reduction with iMAR
- Precise target contouring with optimum kV imaging and a single calibration curve thanks to DirectDensity
- A straightforward 4D workflow thanks to comprehensive respiratory motion management
- 227 / 307 kg patient table (fully AAPM TG-66 compliant) with new flat multi-index overlay

Mobile CT Solutions

Canon Medical · Mobile Trailer

System type	Deployment type	Deployment type
CT scanner*	Trailer	< 1 hour

Highlights

The Mobile Trailer is designed to bridge new equipment installations or temporary high workloads at hospitals or clinics. The trailer is equipped with an Aquilion Prime SP CT scanner which features the latest Advanced intelligent Clear-IQ Engine (AiCE) reconstruction. The design of the trailer, featuring expandable sides and patient lift for in-bed patients, allows high patient throughput without compromising on patient safety, workflow, or image quality.

** Upon request, other imaging modalities can be included in the Mobile Trailer*

Canon Medical · CT Scan Unit

System type	Deployment type	Deployment type
CT scanner	Container	< 1 hour

Highlights

With the CT Scan Unit, Canon Medical offers a deployable imaging solution that enables uncompromising workflow and imaging performance as well as personal safety anywhere and at any time. This unit can be transported by air, sea, road, and trail to any location. The latest model CT scanner of your choice including the latest Advanced intelligent Clear-IQ Engine (AiCE) reconstruction technology enables the best possible imaging results even under challenging conditions.

Accessories / Complementary Systems

Canon Electron Tubes & Devices · LM-CT Tube

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.

Dunlee · CT Replacement Tubes

Highlights

Dunlee's CT replacement tubes:
- Meticulously engineered to be compatible with a variety of popular GE scanners
- Offer excellent quality
- Tube stocks at major airport hubs in the United States, Europe and Asia

Dunlee · CT Replacement Tube DA200P40+LMB

Highlights

The LMB DA200P40+LMB tube with Dunlee CoolGlide technology is specifically designed for use as a replacement tube on the GE Revolution Evo* and Optima 660 CT* scanners. Each tube is built according the highest quality and regulatory standards.

**The products listed may be trademarks of the OEM. For the latest information regarding the compatibility of CT replacement tubes and scanners, please refer to our cross-reference guide at dunlee.com*

Dunlee · Components Bundle for CT with CT8000

Highlights
- The Xpert bundle with CT8000 meets your needs for an ideal integration into high-end CT systems
- Consists of a CT8000 X-Ray tube with CoolGlide, generator, cooling unit and cables
- For a fast integration into your development process to speed up the time to market
- Pre-integrated and pre-calibrated components help to reduce R & D resources and cost
- Included certificates and approvals contribute to a fast time-to-market.
- Dunlee supports your team throughout development and the product lifecycle
- Extraordinary image quality combined with wide coverage

Dunlee · Components Bundle for CT with CT4000

Highlights
- The Xceed bundle with CT4000 delivers high reliability and long life for mid-range CT systems
- Consists of a CT4000 X-ray tube with CoolGlide, generator, cooling units and cables, and can also be ordered with a detector
- Supports outstanding workflow, with 90 % fewer scan interruptions through arcing and CoolGlide's exceptional cooling
- Pre-integrated and pre-calibrated components help to reduce R & D resources and cost
- Included certificates and approvals contribute to a fast time-to-market.
- Dunlee supports your team throughout development and the product lifecycle

Dunlee · 3D printed pure tungsten anti-scatter grids

Highlights
- Maximum design freedom
- Small feature size of 100 µm
- Less X-ray scatter for premium image quality
- Improved and simplified assembly processes that save costs
- Access to top-level detection and grid design expertise to co-create from conceptualization to mass production

Accessories / Complementary Systems

Febromed · Get Up

The swivelling handle system for radiology offers the following highlights:

For the patients
- Independent moving
- Safe support in any position
- Safe motion for seniors and disabled people

For the staff
- Ergonomic working
- Reduced physical workload
- Fast changing of the sling

For the facility
- Various combination with existing systems
- Small space requirement
- Mounting on wall, floor or ceiling on customer request

GCTechnology GmbH · CIRS Phantoms

Dynamic cardiac phantom

Highlights
- Electron density phantom for calibration
- Dynamic lung 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

PTW · Cone-Beam Phantom

Highlights
- Testing the imaging performance of cone-beam and flat-panel CT scanners
- Provides different low contrast sections and spatial resolution bar patterns
- Allows MTF measurements in different orientations
- Two models available: basic and expert

PTW · Thorax Phantom

Highlights
- For testing the influence of scan parameters in CT
- Includes spine and lung lobes
- Dosimetry option available
- Customizable

Ultrasound Technologies · MedicCO_2LON

Highlights
Colonic Insufflator for CT Colonography.
The MedicCO_2LON provides automated colonic distension with CO_2 gas for CT colonography procedures, providing reliable colon distension while improving patient comfort.
- State-of-the-art design allowing ease of operation
- Near silent operation
- Large, colour touchscreen LCD
- LED backlight and wide view angle
- Compact, lightweight design
- Multilingual interface
- Locking connectors

Accessories / Complementary Systems

Varex Imaging · Cardinal CT Tube

Highlights

The Cardinal (Computed Tomography) CT tube is being designed into new OEM equipment and is also a direct replacement for the Stargate / CTR-2150 tube used in Philips Brilliance 6 and 16 CT scanners. The Cardinal has a high heat capacity with excellent image quality and throughput allowing for quicker imaging.

Varex Imaging · CT Replacement Tube – MCS 6074

Highlights

The MCS 6074 Computed Tomography (CT) tube is designed as a replacement tube for the GE LightSpeed and BrightSpeed families of CT scanners. The tube has a 200 mm (7.9") 140 kV, 4.7 MJ (6.3 MHU) maximum anode heat content, rotating anode insert. The insert features a 7° tungsten-rhenium facing on molybdenum with a graphite backed target. The MCS 6074 calibrates like the original, has long life bearings with 0.5 second full scans and offers a full 12-month warranty.

Varex Imaging CT Replacement Tube – MCS 8064

Highlights

The MCS 8064 is an anode end grounded (AEG) Computed Tomography (CT) tube designed as a replacement tube for Lightspeed VCT series scanners. The tube has a 240 mm (9.4") 140 kV, 5.7 MJ (8.0 MHU) maximum anode heat content, rotating anode insert. The insert features a 7° tungsten-rhenium facing on molybdenum with a graphite backed target. The MCS 8064 offers lower life cycle costs and boasts a full 12-month warranty. The MCS-8064 installs and calibrates on the LightSpeed VCT like the original OEM tube.

Real-time radiation plans, X-core MRI

Significant advances in medical physics

To target ionised radiation as precisely as possible, imaging a tumour is vital in radiotherapy planning. "Today, imaging is used increasingly during the therapy itself," explained Professor Mark Ladd, Head of Medical Physics in the Department of Radiology at the German Cancer Research Centre (DKFZ) in Heidelberg, Germany, and President of the German Society for Medical Physics (DGMP), during the society's 51st annual meeting.

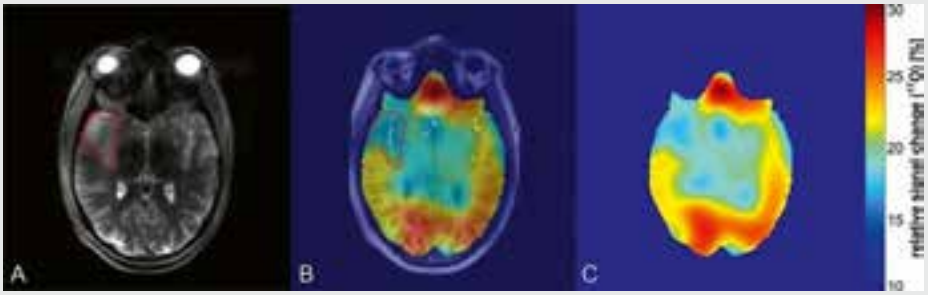
MR-Linac (Unity, Elekta AB, Sweden) at the University of Tübingen (DFG ZI 736/2-1): A hybrid system combining a 1.5-T MRI scanner with a 7-MV linear accelerator for online adaptive MR-guided radiotherapy
Image source: Daniela Thorwarth / University Hospital Tübingen

Interview: Daniela Zimmermann

This new imaging role is possible due to the magnetic resonance linear accelerator, MR-Linac for short, which combines a linear accelerator with a MRI scanner. "It shows, in real-time, how the tumour moves with breathing," Ladd explained during our interview regarding current trends in medical physics.

Continuous MR-Linac scanning during radiotherapy enables tracking of breathing-induced movement and thus adjust the therapy; it also records any change in location and size of the tumour during the weeks of therapy. "Rather sooner than later, we'd like to control the collimators in real-time so as to adjust radiation in view of the changes, compared to the initial therapy plan. In short: we want to tailor the therapy plan in real-time," Ladd underlined. The more precisely the tumour can be targeted, the higher the dose can be. "Thus the patients wouldn't have to undergo 30 radiation sessions but maybe only five," he pointed out. At DKFZ a project-team is looking for new approaches to adjust the collimators quickly.

Another research project in particle therapy deals with the exact recognition of the Bragg peak, i.e. the point when the energy of the ion beam reaches its peak and then sharply decreases. Since scientists are still uncertain where exactly the Bragg peak ends in the body, a comparatively large safety margin is defined around the tumour to reach as much of the tumour tissues as possible. "With current technology the safety margin has to be so large that, in fact, we cannot realise the full potential of proton therapy," Ladd reported. Thus, researchers are trying to develop different methods to determine the Bragg peak in vivo. One of these approaches tries to detect secondary gamma rays triggered by the proton beam in the body.



Oxygen imaging at 7 Tesla

Better insights: photon-counting CT

Photon-counting CT is another remarkable development in radiology. DKFZ houses one of three CT prototypes worldwide that feature a unique component: a photon-counting detector made of a semi-conductor material that can directly convert X-rays into electrical signal impulses, making it particularly efficient. "I do hope that this technology will one day be clinical routine," Ladd said.

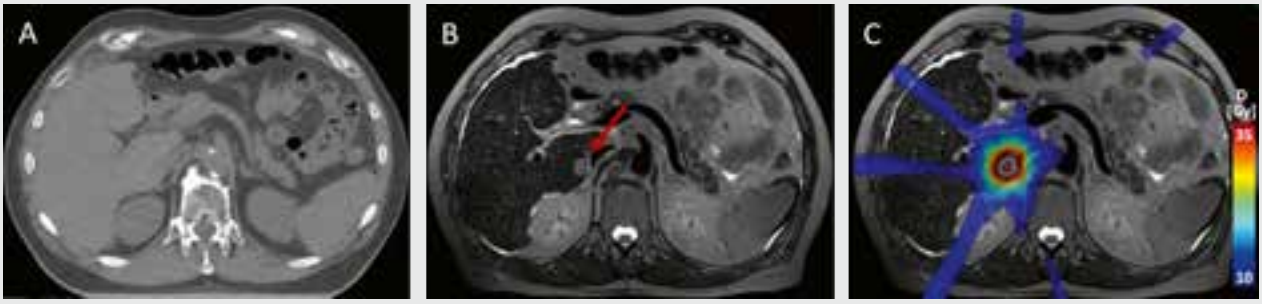
While photon-counting detectors are expensive, they offer better resolution and allow imaging with significantly lower contrast doses. "With regard to the current debate about contrast media, photon counting is a very promising approach," he said.

MRI with new elements and high field strength

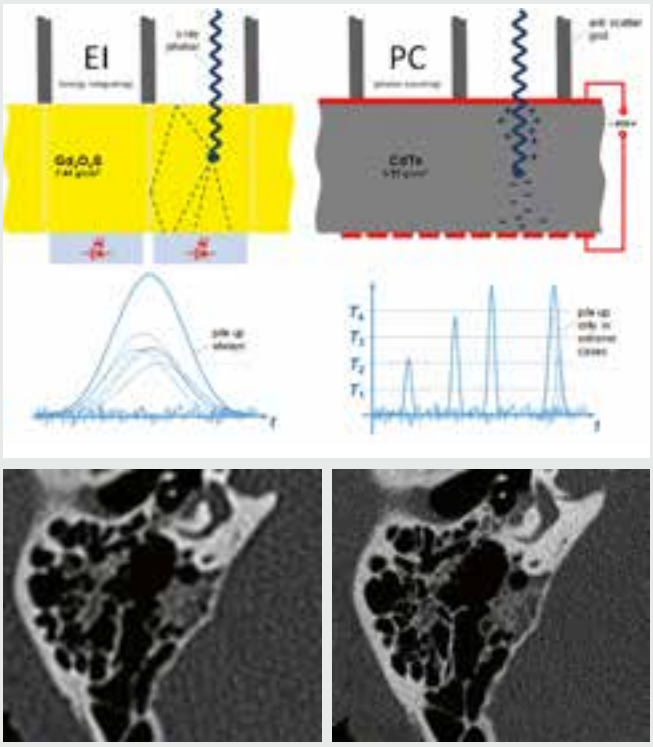
Another trend in medical physics is X-core MRI. While in conventional MRI the spin of the hydrogen nucleus is measured, X-core MRI determines the magnetic moment of isotopes of other nuclei, e.g. sodium-23 (Na-23), oxygen-17 (O-17), potassium-39 (K-39) or chlorine-35 (Cl-35). Problem: these isotopes are rather rare. Only 0.04 percent of oxygen, for example, is O-17. In a DKFZ research project, patients inhale a gas enriched with O-17 during the MRI scan. The oxygen travels through the blood and as soon as it reaches the mitochondria in the cells and is converted into water it can be visualised. "This enables us to precisely measure the local oxygen metabolism in the brain and in other parts of the body," Ladd explained. Currently, one team is trying to detect whether regional differences in metabolism might indicate which areas of the brain will recover after a stroke and which ones won't.

Visualising the distribution of O-17 and other isotopes in MRI requires a field strength of 7-Tesla. Indeed, beyond this application 7-T MRI is one of the key development areas in medical physics. Since 2017, the first systems have been certified for clinical exams, initially limited to head scans and smaller joints. The advantage of a 7-T MRI scanner is not only resolution. "There is an interdependence of sensitivity and time." Ladd said, adding "with a field strength of 1.5-T we can examine about everything that we can examine with 7-T – but at a much slower speed."

3-T scanners are mostly used to perform exams faster than with a 1.5-T scanner. By contrast, a 7-T scanner not only reduces exam time but also offers enhanced spatial resolution and more detail. "You can compare it with standard and HD resolution of a TV screen: suddenly you see things you could not see before," Ladd said. For example, the so-called swallow tails in the basal ganglia, hose lack indicates Parkinson's disease, can only be vaguely seen in a 3-T scan – but they are clearly visible in a 7-T scan. ▶



MR-guided high precision radiotherapy of a liver metastasis. (A) Native planning CT; target delineation is not possible without implanted markers or contrast agent injection. (B) Excellent visualisation of the target region using navigated T2-weighted MRI (red arrow). (C) Markerless MR-guided stereotactic body radiotherapy of a liver metastasis using the 1.5 T MR-Linac (Unity, Elekta AB, Sweden) 09/2020 at the University Hospital for Radiation Oncology Tübingen.
Image source: Daniela Thorwarth / University Hospital Tübingen



Photon-counting detectors are a major innovation in clinical CT. These directly converting detectors register photons and record their energy. Moreover, their pixels are much smaller than those of conventional detectors. The new technology promises spectral resolution comparable to dual energy CT, significantly smaller doses and greatly enhanced spatial resolution. The images of an inner ear were acquired with an experimental photon-counting whole-body CT scanner (Somatom CounT, Siemens Healthineers) at DKFZ
Image source: DKFZ/University Hospital Heidelberg

Gradient coils: pushing the envelope of physics

Ladd sees larger gradient fields as an overall trend in MRI. The faster the gradient, the higher the risk of peripheral nerve stimulation. This fact has limited the use of larger gradient fields. GE Healthcare, however, has developed a 3-T system for the head only, which is equipped with a faster gradient since, in head-only exams, the problem of nerve stimulation is less pronounced.

Some research teams have managed to simulate nerve stimulation caused by gradient coils prior to the actual scan. Before, the degree of nerve stimulation was measured using fully developed gradient coils and a performance cap for this particular coil was determined. Today, computer programs can predict the degree of peripheral nerve stimulation, thus the coils can be optimised in the development phase. "Over the next few years, we will see significantly stronger gradient systems," Ladd predicts.

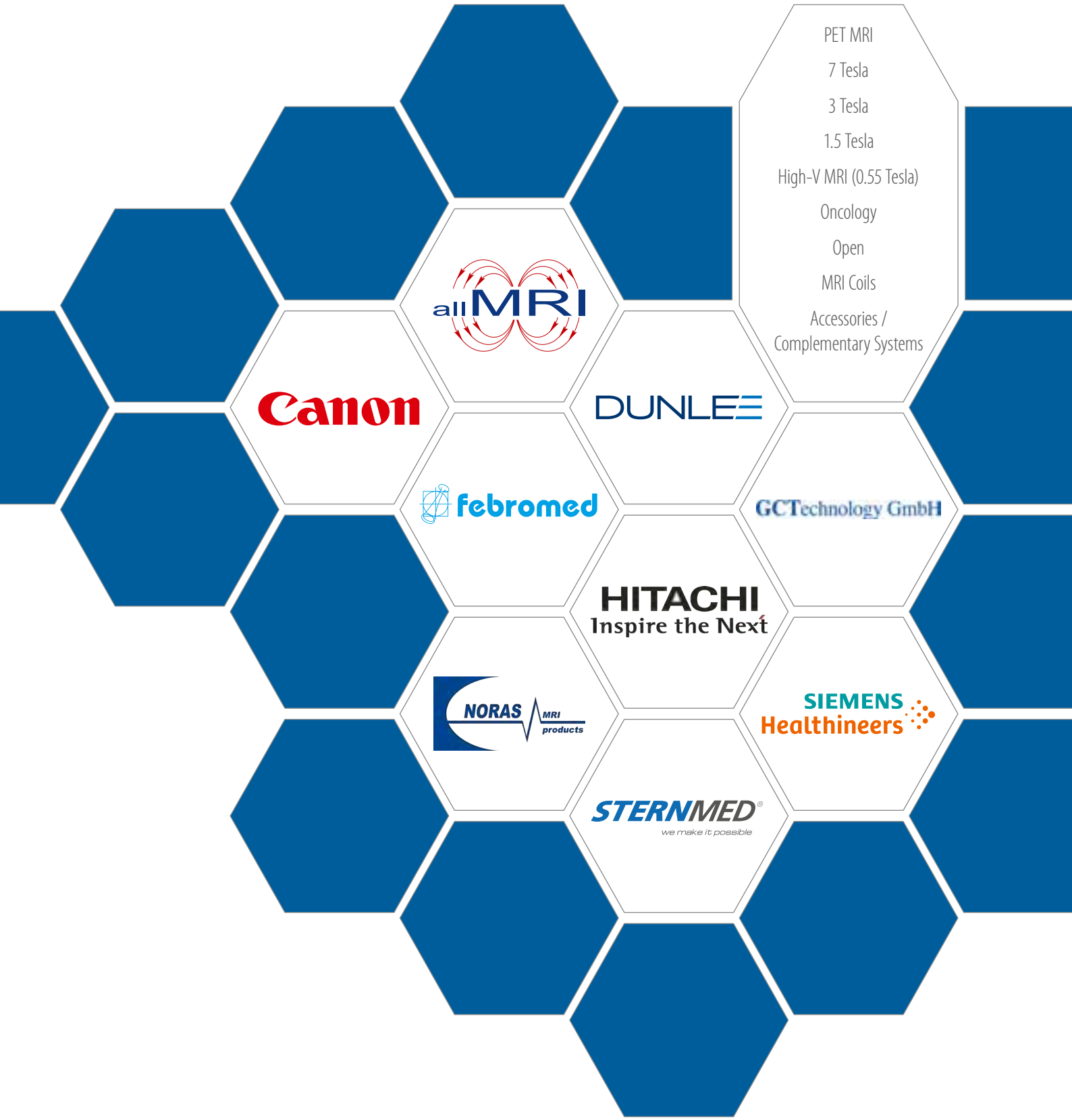
PET-CT and the 2 metre detector

Last, but not the least in PET-CT, the first whole-body scanner may be in the wings. The Chinese company United Imaging developed a detector that measures two metres! Siemens is working on a system that combines four conventional detectors and thus enables a PET-CT scan of more than a metre. "Whole-body PET-CT could open up new possibilities in imaging, which were unrealistic before due to the exceedingly high radiation exposure," Ladd explained, "including new options for visualising the course of a therapy."

www.dkfz.de

Having joined the German Cancer Research Centre (DKFZ) in Heidelberg in 2013, today **Professor Mark Ladd** heads Medical Physics in its Department of Radiology. He is also President of the German Society for Medical Physics (DGMP). His research focus is magnetic resonance imaging (MRI), particularly the launch and further development of new methods using ultra-high-field strengths and MRI in image-guided radiotherapy. He studied electrical engineering at the University of Michigan in Ann Arbor and Stanford University in California. In 1998, and received his doctorate from ETH Zurich in the context of a research cooperation project between the University Hospital Zurich and GE. In 2004 he became Professor of Biomedical Imaging at Essen University Hospital, where he increasingly focused on ultra-high-field MRI.

Magnetic Resonance Imaging



PET MRI

Siemens Healthineers · Biograph mMR

Gradient	Slewrate	Channels
45 mT / m[1]	200 T / m / s[1]	Up to 102 × 32

[1] Maximum gradient amplitude and slewrate can be applied simultaneously

Highlights

- Largest customer base of installed PET-MR systems 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 PET-MR: MR-based motion compensation of PET images
- Whole-body MR-based PET attenuation correction including major bones
- Up to 10 bed positions with PET-MR
- Available with *syngo* MR E11 software

7 Tesla

Siemens Healthineers · Magnetom Terra

Gradient	Slewrate	Channels
80 mT / m[1]	200 T / m / s[1]	Up to 64 × 64

[1] Maximum gradient amplitude and slewrate can be applied simultaneously

Highlights

- World's first 7T MRI scanner released for clinical use
- Dual Mode – secure switch between research and clinical operation*
- 50 percent lighter 7T magnet technology** for easier integration into clinical environments
- Double SNR for more precision***
- XR 80/200 gradients; up to 16 channel parallel transmit in research mode
- Submillimeter BOLD fMRI precision for pre-surgical evaluation
- Available with *syngo* MR E12 software
- Additional metabolic information with ^{23}Na imaging and ^{31}P spectroscopy

*Research mode as part of dual mode is available as an option and not intended for clinical use
**Compared to previous 7T generation ***Compared to 3T systems

3 Tesla

Canon · Vantage Galan 3T

Gradient	Slewrate	Channels
33 / 45 mT / m	200 mT / m / s	128

Highlights

- Patient friendly 71 cm wide bore and silent scanning with Pianissimo Zen
- Fully integrated Deep Learning Reconstruction: Advanced intelligent Clear-IQ Engine (AiCE). AiCE produces exceptionally detailed MR images with high SNR
- EasyTech solutions for automated scan-planning and increased productivity
- Next generation scan techniques
- Enhanced throughput with Compressed SPEEDER, dockable table and live planning tool ForeSee View

Siemens Healthineers · Magnetom Prisma

Gradient	Slewrate	Channels
80 mT / m[1]	200 T / m / s[1]	Up to 204 × 128

[1] Maximum gradient amplitude and slewrate can be applied simultaneously

Highlights

- A unique MR design driving innovation in research applications
- Unique scannner technology in one package: benchmark 3T magnet homogeneity; highest gradient amplitude and performance with XR 80 / 200 gradients; advanced parallel transmit technology for zoomed imaging and ultra-high coil element density with Tim 4G designed for maximum SNR and extreme iPAT
- Driving the largest and most active MRI research network
- Latest applications available with *syngo* MR XA31A software

Siemens Healthineers · Magnetom Vida with BioMatrix

Gradient	Slewrate	Channels
Up to 60 mT / m[1]	200 T / m / s[1]	Up to 228 × 128

[1] Maximum gradient amplitude and slewrate can be applied simultaneously

Highlights

- The first MRI scanner with BioMatrix technology
- An all-new, 3T magnet with a large Field-of-View of 55 × 55 × 50 cm^3
- Up to 60 / 200 XT gradients – for up to 25 percent higher SNR for DWI
- Up to 50 percent faster routine exams with Turbo Suite*
- Perform free-breathing liver dynamics and cardiac MRI with Compressed Sensing GRASP-VIBE and Compressed Sensing Cardiac Cine
- Reliable and predictable whole-body MRI exams – in just 25 minutes
- Explore new diagnostic frontiers based quantitative information with MR Fingerprinting
- Latest applications available with *syngo* MR XA31A

*Data on file

Siemens Healthineers · Magnetom Lumina with BioMatrix

Gradient	Slewrate	Channels
36 mT / m[1]	200 T / m / s[1]	180 × 32

[1] Maximum gradient amplitude and slewrate can be applied simultaneously

Highlights

- New 3T magnet with 70 cm open bore and large 55 × 55 × 50 cm^3 FoV
- Unique BioMatrix technology automatically adjusts to patient biovariability
- With Deep Resolve, our new AI-powered advanced image reconstruction technology**
- New Turbo Suite acceleration packages enable up to 50 %* faster clinical routine examinations
- GO technologies powered by artificial intelligence boost patient throughput
- Latest applications available with *syngo* MR XA31A

*Data on file
**Deep Resolve is pending 510(k) clearance, and is not yet commercially available in the United States. Its future availability cannot be guaranteed

1.5 Tesla

Canon · Vantage Orian 1.5 T

Gradient	Slewrate	Channels
34 / 45 mT / m	155 / 200 mT / m / s	128

Highlights

- Patient friendly 71 cm wide bore and silent scanning with Pianissimo Zen
- Fully integrated Deep Learning Reconstruction: Advanced intelligent Clear-IQ Engine (AiCE). AiCE produces exceptionally detailed MR images with high SNR
- EasyTech solutions for automated scan-planning and increased productivity
- Next generation scan techniques
- Enhanced throughput with Compressed SPEEDER, dockable table and live planning tool ForeSee View

Canon · Vantage Elan NX Edition

Gradient	Slewrate	Channels
33 mT / m	125 mT / m / s	64

Highlights

- Patient friendly 63 cm open bore with 55 × 55 × 50 cm spherical scan area
- Fully integrated Deep Learning Reconstruction: Advanced intelligent Clear-IQ Engine (AiCE). AiCE produces exceptionally detailed MR images with high SNR
- EasyTech solutions for automated scan-planning and increased productivity
- Enhanced throughput with Compressed SPEEDER, Fast3D and live planning tool ForeSee View
- Low total power requirement of 25 kVA

Hitachi · Echelon Smart Plus

Gradient	Slewrate	Channels
33 mT / m	130 T / m / s	16

Highlights

- IP-Rapid, the latest Iterative processing technology, reduces time of routine scans by up to 50 percent
- SynergyDrive optimizes the workflow with Hitachi's automation and acceleration technology (AutoPose, AutoExam, AutoClip)
- SoftSound Suite to reach 96 percent sound pressure reduction at maximum

Hitachi · Echelon Smart

Gradient	Slewrate	Channels
33 mT / m	130 T / m / s	16

Highlights

- "SmartQuality" for superb clinical images and sophisticated applications
- "SmartSpeed" for reduced examination time
- "SmartComfort / SoftSound Suite" for an extraordinary quiet patient experience
- "SmartECO" for low running costs
- "SmartSpace" to offer the smallest possible installation footprint
- Field strength: 1.5 T

Siemens Healthineers · Magnetom Sola Cardiovascular Edition

Gradient	Slewrate	Channels
45 mT / m[1]	200 T / m / s[1]	204 × 64

[1] *Maximum gradient amplitude and slewrate can be applied simultaneously*

Highlights

- A dedicated MRI scanner designed to meet the demands of cardiovascular examinations
- Free-breathing CMR exams with Compressed Sensing Cardiac Cine for functional imaging even for patients with arrhythmias or those who cannot hold their breath
- Tissue characterization with Myo-Maps and HeartFreeze for differential diagnosis of myocardial injury
- Consistent results, fast with BioMatrix Sensors and the AI-powered Cardiac Dot Engine for fast patient setup and step-by-step guidance for CMR exams in as little as 30 minutes*
- Latest applications available with *syngo* MR XA31A

** Data on file, results may vary*

How to deliver more and better care at lower costs

Moving the needle in MRI productivity

In an industry where every second and every click counts, workflow inefficiencies consume as much as a third of the MRI procedure time.[1] This is a key area of focus where technology advances can radically change what is possible with an MRI exam. Given declining reimbursements, fewer skilled resources, and the system-wide burden of chronic diseases, maximizing productivity is a strategic goal for a healthcare organization to reach its optimal performance. The best way to achieve this goal is the holistic optimization of the entire imaging value chain: From patient preparation to image acquisition and postprocessing – while maintaining a high standard of image quality as well as patient comfort.

Less than one minute for a more reproducible and automated patient preparation[2]

Patient preparation for MRI is a complex task: Technologists need to manage software and hardware. It is during the patient-facing part of the process where a positive patient experience is crucial: One study found that 42 percent of surveyed adults stated they were afraid of undergoing an MRI.[3] The more comfortable the patient and the better their experience during patient set-up the easier it is to get the scan right the first time.

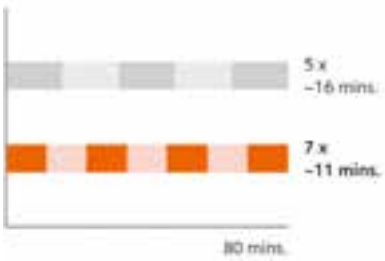
Innovations such as BioMatrix technology improve consistency, enhance patient comfort to avoid motion and accommodate challenging physiology and anatomy. Integrated Respiratory Sensors, for example, detect breathing patterns from the moment the patient lies on the table to help the system anticipate motion and secure a high-quality image, all while reducing patient set-up time.

BioMatrix Select&GO leverages artificial intelligence to help the technologists position patients faster and avoid repositioning delays – no matter how tall, big, or mobile a patient is. The BioMatrix Dockable Tables with eDrive allow the technologist to move a patient quickly and easily to and from the scanner; one patient can be set up while another is in the scanner, thus improving workflow.

Productivity = Patients / time period

"As a result of protocol optimization and better patient handling, we were able to increase patient examination to 40 patients per day. [Also, this week] our technicians were able to perform seven knee examinations in one hour and 20 minutes – this is a slot time of eleven minutes per patient."

PD Dr. Gerwin Schmidt,
DIE RADIOLOGIE, Munich, Germany[8]



Reducing MSK slot times by 5 mins. with MAGNETOM Sola[9]

Up to 50 percent time savings in image acquisition[4]

Image acquisition is a critical phase in multiple aspects of the diagnostic workflow, including tailoring the MRI exam to specific patients, improving the patient experience, and image quality. Exam consistency across multiple scans and follow-ups for the same patient supports a more accurate read.

myExam Companion guides the acquisition or even automates it to large degrees. This improves productivity, standardization, and consistency across patients and in follow-up exams, independent of the skill level of the technologist. This results in 45 percent[5] lower tasks at hand for the MRI technologists versus using a non-myExam Companion Workflow. Acceleration technologies such as Simultaneous Multi-Slice (SMS) and Compressed Sensing (CS) make the acquisition faster than ever. When patients cannot hold their breath, acceleration technologies can expand access to specific MRI applications for some of the sickest patients.

New advances, such as Deep Resolve[6], are planned to provide an advanced reconstruction technology using deep learning and Artificial Intelligence. Its components Deep Resolve Gain and Sharp are designed to make scans faster and boost workflow efficiency while improving patient comfort.

Faster post processing due to AI-powered features

While the number of MRI exams is continually on the rise, the workload of each radiologist is increasing dramatically. On average, a radiologist interprets one image every 3–4 seconds, 8 hours a day.[7] Software innovations, including Artificial Intelligence, allow for faster post processing and eliminate errors and inconsistencies.

AI-Rad Companion is an AI-powered radiology assistant that supports by performing automatic measurements and preparing the results in the form of valuable clinical images and quantifications for MR Brain and Prostate.

Improvements in clinical practice

DIE RADIOLOGIE, a large multi-site radiology practice in Munich, Germany, is already using the Siemens Healthineers MRI productivity solutions, performing a broad range of MRI examinations. MAGNETOM Sola has enabled DIE RADIOLOGIE to reduce the average slot time to 20 minutes, resulting in a throughput of 30 patients in a 10-hour shift. Thanks to this accelerated workflow, DIE RADIOLOGIE has increased patient throughput by 17 percent while maintaining excellent image quality.

www.siemens-healthineers.com/mri-productivity

[1] Beker K, et al. AJR Am. J. Roentgenol. 2017; 209: 836-844
[2] Data on file
[3] Siemens Healthineers survey conducted in May 2015 in which 2,000 UK adults were asked about their attitudes on their health, hospitals, and medical appointments
[4] Data on file
[5] Case Study by Prof. Forsting, Prof. Antoch, Department of Diagnostic and Interventional Radiology and Neuroradiology, University Hospital, Essen, Germany
[6] Deep Resolve is still under development and not commercially available yet. Its future availability cannot be ensured
[7] McDonald R, et al. The effects of changes in utilization and technological advancements of cross-sectional imaging on radiologist workload. Acad. Radiol. 22(9): 1191-1198
[8] The statements by Siemens Healthineers' customers described herein are based on results that were achieved in the customer's unique setting. Since there is no "typical" hospital and many variables exist (e.g., hospital size, case mix, level of IT adoption), there can be no guarantee that other customers will achieve the same results. This statement is from a person whose institution is engaged in a collaboration with Siemens Healthineers
[9] Data on file

Deep Resolve is planned to reduce acquisition time and recovers resolution Study ID: 2aaaa1917

1.5 Tesla

Siemens Healthineers · Magnetom Sola with BioMatrix

Gradient	Slewrate	Channels
Up to 45 mT / m[1]	Up to 200 T / m / s[1]	Up to 204 × 64

[1] Maximum gradient amplitude and slewrate can be applied simultaneously

Highlights

- 70 cm open bore with 50 × 50 × 50 cm³ FoV
- Unique BioMatrix technology automatically adjusts to patient biovariability
- Ten unique Dot Engines provide highly automated scan procedures
- Free-breathing examinations with Turbo Suite Elite
- Simultaneous Multi-Slice and Compressed Sensing for 2D and 3D imaging
- With Deep Resolve our new AI-powered advanced image reconstruction technology*
- Latest applications available with syngo MR XA31A

*Deep Resolve is pending 510(k) clearance, and is not yet commercially available in the United States. Its future availability cannot be guaranteed

Siemens Healthineers · Magnetom Amira

Gradient	Slewrate	Channels
33 mT / m[1]	125 T / m / s[1]	96 × 16

[1] Maximum gradient amplitude and slewrate can be applied simultaneously

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 percent energy savings in standby mode with Eco-Power
- Increased throughput with Tim 4G and DotGO
- Maximizing return due to minimized siting requirements and costs
- Available with *syngo* MR VE11 software for applications such as Compressed Sensing, SMS, and many more

Siemens Healthineers · Magnetom Altea with BioMatrix

Gradient	Slewrate	Channels
33 mT / m[1]	125 T / m / s[1]	180 × 32

[1] Maximum gradient amplitude and slewrate can be applied simultaneously

Highlights

- 70 cm open bore with 50 × 50 × 50 cm³ FoV
- Unique BioMatrix technology automatically adjusts to patient biovariability
- 50 percent* faster clinical routine examinations with Turbo Suite
- GO technologies powered by AI to boost patient throughput
- Innovision** – the revolutionary patient infotainment solution
- With Deep Resolve our new AI-powered advanced image reconstruction technology***
- Latest applications available with *syngo* MR XA31A

* Data on file
** Innovision is still under development and not yet commercially available. Itsfuture availability cannot be guaranteed
*** Deep Resolve is pending 510(k) clearance, and is not yet commercially available in the United States. Its future availability cannot be guaranteed

Siemens Healthineers · Magnetom Amira with BioMatrix

Gradient	Slewrate	Channels
33 mT / m[1]	125 T / m / s[1]	Up to 96 × 24

[1] Maximum gradient amplitude and slewrate can be applied simultaneously

Highlights

- Unique BioMatrix technology automatically adjusts to patient biovariability
- Boost productivity with Turbo Suite, Simultaneous Multi-Slice, and GO applications
- Increased patient access to advanced MRI exams with free-breathing exams
- GO technologies powered by artificial intelligence boost patient throughput
- Save energy consumption with Eco-Power
- Increased consistency and workflow acceleration with DotGO and GO technologies
- Available with *syngo* MR XA 12 software

Siemens Healthineers · Magnetom Sempra

Gradient	Slewrate	Channels
30 mT / m[1]	100 T / m / s[1]	Up to 96 × 16

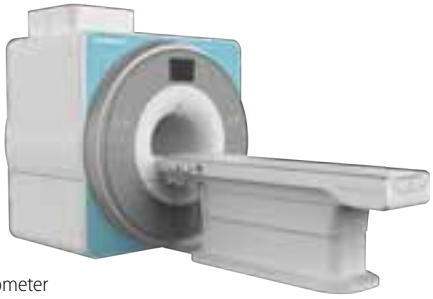
[1] Maximum gradient amplitude and slewrate can be applied simultaneously

Highlights

- 10-min exams with best-practice-based protocols
- Up to 30 percent energy savings in standby mode with Eco-Power
- Increased throughput and consistency with Brain, Spine and Large Joint Dot engines
- More patient comfort with ultra-light-weight Tim 4G coils and Quiet Suite
- Expand clinical offerings with advanced trendsetting applications
- Latest applications available with *syngo* MR XA12 software such as Compressed Sensing, SMS, and many more
- Increased consistency and workflow acceleration with DotGO and GO technologies

SternMed · Marcom 1.5T

Gradient	Slewrate	Channels
40 mT / m	150 T / m / s	16



Highlights

- Short cavity magnet with zero helium consumption
- Fully digitalized multi-channel spectrometer
- 4 k cold head technology
- Multi-channel PA RF receiving coil with intelligent identification
- Image reconstruction speed 1,500 fps
- Maximum gradient field and slew rate reached at the same time
- Parallel acquisition technology platform
- Patient table can be controlled by machine (controlled manually) in case of emergency

High-V MRI (0.55 Tesla)

Siemens Healthineers · Magnetom Free.Max*

Highlights

- First High-V MRI: For daily excellence and new clinical opportunities
- First 80 cm patient bore – Accessibility for claustrophobic and obese patients
- New blanket-like contour coils for comfort and flexibility
- DryCool magnet: 0.7 liters of liquid helium | No quench pipe
- Our most compact MRI for greater siting flexibility
- Intuitive operation for any professional with myExam Autopilot

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

Oncology

Siemens Healthineers · Magnetom RT Pro Edition

Highlights

- Support precision in RT with Magnetom Sola, or Vida and trendsetting applications such as RESOLVE, StarVIBE or Compressed Sensing GRASP-VIBE
- Scan patients consistently in the treatment position with dedicated RT positioning equipment (CIVCO, Orfit, Qfix), and MR compatible laser bridge (LAP)
- Rely on intuitive and dedicated RT workflows with RT Dot Engine and RT Image Suite
- Enable an MR-only RT planning workflow with RT Dot Engine and Suite's Synthetic CT feature
- Caption organ motion in abdomen and thorax under free-breathing with automatic respiratory phase sorting with 4D MRI-RT Respiratory Self-Gating

Open

Hitachi · Aperto Lucent Plus

Gradient	Slewrate	Channels
25 mT / m	55 T / m / s	2

Highlights

- Wide, 320 degrees open permanent MRI system
- Features premium field strength amongst the permanent MRI systems presently on the market
- New generation open MRI with SynergyDrive contains IP-RAPID iterative reconstruction technology, AutoExam with automatic slice positioning and all around RADAR motion artifact reduction.
- Fast processing chain allows increasing patient throughput
- Reduced running costs allowing fast return of investment
- Field strength: 0.4 T

Hitachi · Airis Vento Plus

Gradient	Slewrate	Channels
22 mT / m	55 T / m / s	2

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
- New generation open MRI with SynergyDrive contains IP-RAPID iterative reconstruction technology, AutoExam with automatic slice positioning and all around RADAR motion artifact reduction
- Environment friendly: extremely low power consumption and reduced installation requirements
- Low running costs allowing fast return of investment
- Field strength: 0.3 T

Hitachi · Oasis

Gradient	Slewrate	Channels
33 mT / m	100 T / m / s	8

Highlights

- World's most powerful open MRI
- 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
- Field strength: 1.2 T

Open

SternMed · Marcom 0.35T

Gradient	Slewrate	Channels
max. 25 mT / m	75 T / m / s	4

Highlights
- Fully open magnet
- Nd-Fe-B magnet
- 4D shimming
- Eddy Zero technology
- Self-regulating constant temperature
- Fully digital 4 channel receiving spectrometer
- Automatic coil tuning
- Accurate position assist
- Use of advanced active shimming algorithm for real-time automatic shimming on each examination
- Higher SNR
- Higher resolution
- Less scanning time
- Comprehensive scanning sequences
- Advanced imaging techniques
- Five standard coils and more than seven optional coils

SternMed · Marcom 0.5T

Gradient	Slewrate	Channels
max. 25 mT / m	75 T / m / s	4

Highlights
- Fully open magnet
- Nd-Fe-B magnet
- 4D shimming
- Eddy Zero technology
- Self-regulating constant temperature
- Fully digital 4 channel receiving spectrometer
- Automatic coil tuning
- Accurate position assist
- Use of advanced active shimming algorithm for real-time automatic shimming on each examination
- Higher SNR
- Higher resolution
- Less scanning time
- Comprehensive scanning sequences
- Advanced imaging techniques
- Five standard coils and more than seven optional coils
- Magnet type: Full open C-shaped, 2-column

MRI Coils

Dunlee · Invivo Sentinelle Breast Coils

Highlights

More than 30 years experience in MRI RF coils
- Variable coil geometry to fit individual patients
- Ergonomic design that allows easy workflow
- High-signal-to-noise ratios to support advanced imaging applications
- Wide range of MR biopsy disposables (grids, needle blocks/sleeves, markers, holders, phantom, etc.)

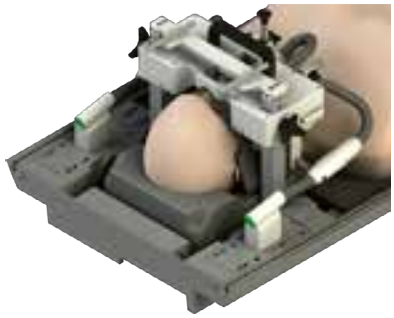
Noras · Encompass 15-Channel Headcoil

Field strength	Channels	System platform
3 T	15	Siemens

Highlights
- Dedicated head coil for high-resolution, used in combination with a radiotherapy mask
- MRI control before and after stereotactic radiotherapy
- High-resolution MR diagnostics of head and neck
- Transversal, sagittal, coronal and tilted images possible
- Removable double mirror for claustrophobic patients

Noras · Mandibula 15-Channel Dental Coil

Field strength	Channels	System platform
3 T	15	Siemens



Highlights
- High resolution dedicated MR imaging in dental area
- Easy to position and adjustable for each patient
- Excellent patient comfortability
- Reduced scan times with higher image quality
- Optional mirror attachable for claustrophobic patients

Noras · Uni-Lift Prostate Intervention Device

Field strength	Channels	System platform
–	–*	Siemens / GE

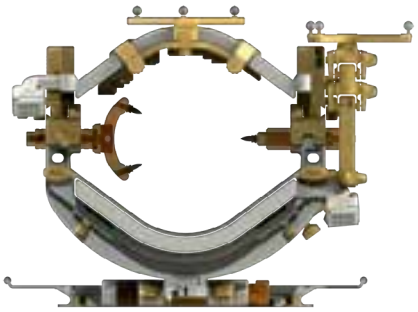
Highlights
- Comfortable patient positioning in supine position
- Optimal utilization of the patient space in 70 cm bore MR systems
- Transperineal access to the prostate
- MR-guided biopsy and therapy
- Focal biopsy and therapy instead of "blind" biopsy

** Compatible with standard MR coil portfolio*

MRI Coils

Noras · OR Head Holder Lucy & OR Head Coil

Field strength	Channels	System platform
1.5 / 3 T	8	Siemens

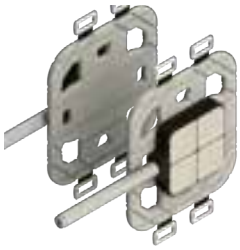


Highlights

- MR and X-ray compatible for multi-modal applications
- Excellent image quality and homogeneity
- Three-point fixation with integrated force indicator
- Removable and height adjustable lower coil
- Excellent access to the field of intervention

Noras · Variety 16-Channel Multipurpose Coil

Field strength	Channels	System platform
1.5 / 3 T	16 (2 × 8)	Siemens



Highlights

- Application for diagnosis in orthopedics, pediatrics and veterinary medicine
- High signal quality based on a design with 8+8 array elements with high coil element density
- High resolution examinations of even small body regions with reduced scan times
- Slim design and optional dedicated positioning aids enable coil placement close to anatomy of interest

Accessories / Complementary Systems

allMRI GmbH · MRI doppler ultrasound gating device

Highlights
- Enabling fetal cardiac MRI, smart-sync enables a secondary imaging modality for prenatal diagnosis
- Improving adult cardiac MRI, smart-sync is easy to apply and independent of field strength

allMRI GmbH · MRI safe metal free cleaning tool set

Highlights
- Velcro mop holder with microfiber mop 40 cm
- Glass fiber handle 145 cm long with mop press wringer, optional with complete cleaning cart available

allMRI GmbH · Mobile MRI procedure lamp

Highlights
- MRI compatible up to 3 Tesla
- Light source LED-module, central reflector
- Battery powered
- Base diameter 642 mm
- Twin castors 65 mm electrically conductive and lockable
- Light output 55.000 Lux, Light colour 4.300 K

allMRI GmbH · Foldable MRI wheelchair

Highlights
- MRI safe foldable wheelchair
- Entirely made of 100 percent thermoplastic
- Including the ball bearing
- Two swing out adjustable footrests and armrests
- Solid rubber tires

Febromed · Get Up

The swivelling handle system for radiology offers the following highlights:

For the patients
- Independent moving
- Safe support in any position
- Safe motion for seniors and disabled people

For the staff
- Ergonomic working
- Reduced physical workload
- Fast changing of the sling

For the facility
- Various combination with existing systems
- Small space requirement
- Mounting on wall, floor or ceiling on customer request

GCTechnology · CIRS Phantoms

MRgRT motion management

MR head distortion Phantom for SRS

Highlights
- Large field MRI distortion phantom
- Distortion check software
- 3D triple modality phantoms suitable for MR: abdominal, breast, prostate and lumbar phantom

Injectors

Injectors

Bracco · CT Exprès

Application	Pressure	FlowRate
CT	9.1 bar	0.5 – 9.9 ml/s *

Highlights
- Syringeless injector
- 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

* in steps of of 0.1 ml/s

Bracco · EmpowerCTA+

Application	Pressure	FlowRate
CT	40 – 325 psi	0.1 – 10.0 ml/s *

Highlights
- Syringe: 200 ml (CM), 200 ml (NaCl)
- 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
- Multi-patient tubing kit for CT: Must kit PLUS CT

* 0.1-10.0ml/s in user-specified increments of 0.1 ml/s

Bracco · EmpowerMR

Application	Pressure	FlowRate
MR	40 – 300 psi	0.1 – 10.0 ml/s *

Highlights
- Syringe: 100 ml (CM), 100 ml (NaCl)
- 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)
- Unique multi-patient tubing kit for MR: Must kit PLUS MR

* 0.1-10.0ml/s in user-specified increments of 0.1 ml/s

Guerbet · OptiVantage Single Use

Application	Pressure	FlowRate
CT	22.4 bar	0.1–10 ml / s

Highlights

Dual head CT contrast delivery system
- Scan delay, phase delay, auto-fill, auto purge
- Timing bolus, inject delay, patency check
- Fully programmable touchscreen powerhead
- Scanner interface to CAN Open Class 4*
- OptiBolus bolus shaping software extends the window of imaging opportunity
- Configurations: Pedestal and ceiling mount options
- Loading, filling & priming: Automatic / manual
- Simultaneous injection: 10 % – 90 % (5 % steps)
- Heater: 37° ± 3°
- Connectivity with Contrast&Care (optional)

Components and consumables certified by the manufacturer

** dependent on scanner manufacturer*

Guerbet · Illumena Néo

Application	Pressure	FlowRate
CT / Angio / Cardio	5.2 – 82.7 bar[1] / 5.2 – 21 bar[2]	0.1 – 40 ml/s[1] / 0.1 – 10 ml/s[2]

Highlights

Multi-mode contrast delivery system
- High visibility screen
- One finger operation fill bar
- Single or multi-injection procedures
- Switch between operating modes
- Hand switch and foot switches available
- Air Detection Aid & Warning System (ADAWS) identifies blood, empty syringes and air bolus
- Configurations: Pedestal, ceiling or table mount
- Heater: 37° ± 3°
- Connectivity with Contrast&Care (optional)

Components and consumables certified by the manufacturer

[1] Angio mode / [2] CT mode

Guerbet · FlowSens

Application	Pressure	FlowRate
CT	21 bar	0.3 – 10 ml/s

Highlights

Syringeless CT contrast delivery system
- Advanced touchscreen interface
- Only few seconds between patients
- 12H manyFlow (closed pre-connected day set)
- Secufill patient line (scientific study on demand)
- All available media containers
- Check-valves (no backflow)
- 4 Air sensors
- Temperature maintenance
- Pressure monitoring: graphical and numerical
- Simultaneous injection (optional): 20 – 80 %
- Vein test
- Loading, filling & priming: Automatic
- Configurations: pedestal & ceiling
- Connectivity with Contrast&Care (optional)

Components and consumables certified by the manufacturer

Injectors

Guerbet · OptiStar Elite

Application	Pressure	FlowRate
MR	10.3 / 13.8 bar*	0.1 – 10 ml/s / 0.1 – 8 ml/s*

Highlights
MR contrast delivery system

- Compatible with pre-filled syringes & vials
- Battery free & 3T certified
- One click loading
- Auto-retract rams
- Powerhead keys
- Console enable
- Patency check
- Timing bolus
- Drip mode
- Colour touchscreen
- Automatic pressure control
- Connectivity with Contrast&Care (optional)

Components and consumables certified by the manufacturer ** dependent on type of syringe*

Guerbet · OptiOne

Application	Pressure	FlowRate
CT	22.4 bar	0.1–10 ml/s

Highlights
Single head CT contrast delivery system

- Compatible with prefilled syringes & vials
- Scan delay, phase delay, auto-fill, auto purge
- Timing bolus, inject delay
- Fully programmable touchscreen powerhead
- Scanner relay interface as standard
- OptiBolus bolus shaping software extends the window of imaging opportunity
- Configurations: Pedestal and ceiling mount
- Loading, filling & priming: automatic / manual
- Heater : 37° ± 3°
- Connectivity with Contrast&Care (optional)

Components and consumables certified by the manufacturer

Guerbet · OptiVantage Multi-Use

Application	Pressure	FlowRate
CT	22.4 bar	0.1–10 ml / s

Highlights
Dual head CT contrast delivery system
When efficiency and care combine seamlessly

- Newly designed multi-use interface
- All in one preconnected dayset, with closed system, air & particles filters
- Secufill patient line with double safety valve
- Only a few seconds preparation between patients
- Certified syringes & manyFill dayset
- Countdown timer to alert you of compliancy with hygiene regulations
- Safe with patency check, tilt enable, timing bolus and simultaneous Injection features
- Automatic operations (filling, priming)
- Scanner interface to CAN Open Class 4*
- OptiBolus bolus shaping software
- Connectivity with Contrast&Care (optional)

Components and consumables certified by the manufacturer ** dependent on type of scanner manufacturer*

Index of Advertisers

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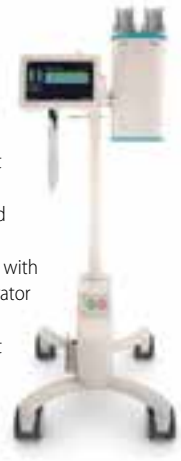
Injectors

Medtron · Accutron CT-D Vision

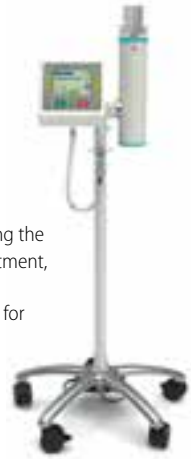
Application	Pressure	FlowRate
CT	21 bar	0.1 – 10 ml / s



Highlights
- New design for more comfort with improved read-ability and less eye fatigue, new battery management system and new casters
- Enriched user experience with a simpler workflow and better patient care
- Integrated with RIS and PACS (as an option) as well as with the scanner interface to reduce workload for the operator and improve patient turnaround times
- Limits patient risk by reducing the amount of contrast a patient receives during injection
- Supports the development of contrast-enhanced mammography, a new clinical service in mammo-graphy; leading to potentially increased revenue

Medtron · Accutron CT

Application	Pressure	FlowRate
CT	21 bar	0.1 – 10 ml / s



Highlights
- Whether you are budget conscious or newly exploring the potential use of a powered injector in your CT department, Accutron CT is your starting point
- Provides real-time pressure monitoring which allows for improved precision and safety
- Agile mobility with a configuration that provides flexibility to quickly change examination rooms
- Consistent reliability helps to reduce repeat examinations due to contrast mistiming

Medtron · Accutron MR3

Application	Pressure	FlowRate
MR	21 bar	0.1 – 10 ml / s[1] / 000.1 – 30 ml / s[2]

Highlights
- The integrated infusion pump enables simultaneous administration of fluids during an MRI examination
- Works with select pre-filled syringes to increase throughput via quick use and improved patient turnaround times
- Integrated infusion pump enables simultaneous administration of additional medication needed by some patients to undergo MRI examination

[1] CM/NaCl /[2] Infusion pump

Medtron · Accutron MR

Application	Pressure	FlowRate
MR	21 bar	0.1 – 10 ml

Highlights
- Keep Vein Open (KVO) software feature helps to maintain vascular access during longer imaging procedures
- Compatibility with selected pre-filled syringes makes it easier to change and select the most suitable contrast medium for each patient
- Can be used with two touch screen remote controls so that one injector is shared between two MR exami-nation rooms

Medtron · Accutron HP-D

Application	Pressure	FlowRate
Angio	83 bar[1] / 21 bar[2]	0.1 – 30 ml / s[1] / 0.1 – 10 ml / s[2]

Highlights
- Reduces beam hardening artifacts through flexible adjustment of contrast concentration using saline.
- Cleanly defined & reproducible contrast media boli' can be achieved by pushing contrast media with a saline bolus
- Wireless and mobile configuration with flexibility to quickly change exam rooms and eliminates power requirements
- May reduce the amount of contrast required per patient resulting in less operating expenses

[1] Angio mode /[2] CT mode

Medtron · Accutron HP

Application	Pressure	FlowRate
Angio	83 bar[1] / 21 bar[2]	0.1 – 30 ml / s[1] / 0.1 – 10 ml / s[2]

Highlights
- Enables interdisciplinary clinical imaging examinations in both angiography and computed tomography
- Wireless and mobile configuration provides flexibility to quickly change examination rooms and eliminates barriers; such as nearby power requirements and/or cable installation
  - Reduces risk of infections by being easy to clean and hygienic
  - Integration with the scanner interface reduces workload for the operator and improves patient turnaround times

[1] Angio mode /[2] CT mode

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
- Global Dose Registry for study dose comparison

* ALARA (as low as reasonably achievable)

Guerbet · Contrast&Care

Highlights

Contrast&Care is a solution dedicated to contrast dose management. It connects to all Guerbet injectors and Hospital Information Systems (RIS, PACS, EMR…) and collects all relevant data about contrast media usage, patient history, and injector activity. Contrast&Care facilitates the traceability of contrast media and provides several tools that help imaging centers optimize contrast media consumption.

Guerbet · Dose&Care

Highlights

Dose&Care is a state-of-the-art radiation dose monitoring solution, which allows documenting patient exams, understanding the reasons for excessive exposure and monitoring activities related to patient exposure. It provides the means to remain compliant with an ever-evolving regulation while improving the workflow and ensuring patient safety.

Interventional Systems

Multi-Modality Suites

Canon · Alphenix 4D CT

Power	Detector	Pixel size
100 kW	a-Si / CsI	194 µm

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
- Detector size: 30 × 30 cm / 30 × 40 cm

The system is available with two different CT configurations: Aquilion One Genesis and Aquilion Prime

Siemens Healthineers · Nexaris Angio-CT

Power	Detector	Pixel size
100 kW	a-Si / CsI	160 µm

Highlights

- Hybrid suite with a common coordinate system that fuses images instantly
- Direct access to angiography and CT with Quick Switching
- Efficient multi-room configurations to share imaging equipment
- Enabling combined CT and angiography guidance in one session

Siemens Healthineers · Nexaris Angio-MR-CT

Power	Detector	Pixel size
–	–	–

Highlights

- Seamless access to multi-modality imaging
- Patient transfer without repositioning for barrier-free intraoperative imaging with Nexaris Dockable Table
- More possibilities during treatment with synergized Angio, MR, and CT image information

Bi-Plane

Canon · Alphenix Biplane

Power	Detector	Pixel size
100 kW	a-Si / CsI	194 µm

Highlights

Cardio intervention demands speed, precision, and optimum performance. The Alphenix Biplane 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.

- Detector size: 20 × 20 cm

Canon · Alphenix Biplane High Definition Detector

Power	Detector	Pixel size
100 kW	CMOS /a-Si / CsI	76 / 194 µm

Highlights

The Alphenix Biplane 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. In addition to helping clinicians perform their neuro, peripheral, and cardiac endovascular therapy, Canon Medical's 30 × 30 cm True Hi-Definition Detector is now available for general interventional radiology.

- Detector size: 30 × 30 cm / 30 × 40 cm

Canon · Alphenix Dual Plane

Power	Detector	Pixel size
100 kW	a-Si / CsI	194 µm

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 Alphenix Dual Plane.
- Detector size: 20 × 20 cm / 30 × 40 cm

Bi-Plane

Shimadzu · Trinias B12 / B8 Unity Edition

Power	Detector	Pixel size
2 × 100 kW	a-Si / CsI	194 µm

Highlights

- Detector size: 12" × 12" (30 × 30 cm) / 8" × 8" (20 × 20 cm)
- Wide coverage for smooth operability
- SCORE Pro Advance image processing technology
- Unique pioneering imaging technology: motion-tolerant SCORE RSM
- SCORE CT
- SCORE 3D
- SCORE Navi / Navi+Plus
- SMART design concept
- Comprehensive dose management package

Siemens Healthineers · Artis zee, Artis Q, Artis Q.zen

Power	Detector	Pixel size
100 kW	a-Si / CsI	184 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

Siemens Healthineers · Artis icono biplane

Power	Detector	Pixel size
100 kW	a-Si / CsI	184 µm

Highlights

ARTIS icono biplane offers great technologies for interventional neuroradiology.

- New cone-beam CT trajectory *syngo* DynaCT Sine Spin reduces artifacts for excellent soft-tissue resolution
- *syngo* DynaCT Multiphase integrates collateral vessel imaging in the angio suite
- Twin Spin enables seamless switching between 2D and 3D thanks to mechanical improvements
- New image chain OPTIQ enables constant image quality using a contrast-driven technique (CNR*) based on automatic parametrization and intelligent, self-adjusting algorithms

**Contrast-to-noise ratio*

Single Plane

Canon · Alphenix Core+

Power	Detector	Pixel size
100 kW	a-Si / CsI	194 µm

Highlights

Cardio intervention demands speed, precision, and optimum performance. The flexible Alphenix Core+ 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.

- Detector size: 20 × 20 cm

Canon · Alphenix Core+ High Definition Detector

Power	Detector	Pixel size
100 kW	CMOS / a-Si / CsI	76 / 194 µm

Highlights

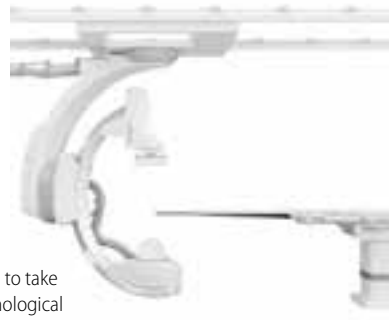
The flexible Alphenix Core+ is designed to take advantage of the latest technological innovations to reduce dose for patients and staff. A revolutionary graphic user interface and multi-tasking computer enable the system to fully meet your requirement for high image quality, safety, ease of use, high efficiency and improved workflow.
In addition to helping clinicians perform their neuro, peripheral, and cardiac endovascular therapy, Canon Medical's 30 × 30 cm True Hi-Definition Detector is now available for general interventional radiology.

- Detector size: 30 × 30 cm / 30 × 40 cm

Single Plane

Canon · Alphenix Sky

Power	Detector	Pixel size
100 kW	a-Si / CsI	194 µm



Highlights

Vascular intervention demands speed, precision, and optimum performance. The Alphenix Sky 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.

• Detector size: 20 × 20 cm

Canon · Alphenix Sky

Power	Detector	Pixel size
100 kW	a-Si / CsI	194 µm

Highlights

Vascular intervention demands speed, precision, and optimum performance. The Alphenix Sky 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.

• Detector size: 30 × 30 cm / 30 × 40 cm

Canon · Alphenix Sky+

Power	Detector	Pixel size
100 kW	a-Si / CsI	194 µm

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 Alphenix Sky+ 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.

• Detector size: 30 × 40 cm

Canon · Alphenix Sky+ High Definition Detector

Power	Detector	Pixel size
100 kW	CMOS / a-Si / CsI	76 / 194 µm

Highlights

Nowadays 3D plays a key role in high risk procedures such as aneurysm coiling, AVM / Fistula embolization, endovascular aortic aneurysm repair, etc.
The Alphenix Sky+ incorporates state-of-the-art technologies allowing 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. Helping clinicians perform their neuro, peripheral, and cardiac endovascular therapy, Canon Medical's 30 × 40 cm True Hi-Definition Detector is now available for general interventional radiology.

• Detector size: 30 × 40 cm

Canon · Alphenix Hybrid

Power	Detector	Pixel size
100 kW	a-Si / CsI	194 µm

Highlights

The combination of the Alphenix ceiling mounted C-Arm with a fully integrated dedicated surgical table, e.g. Maquet Magnus or Trumpf Trusystem 7500, perfectly meets the requirements for the rapidly growing number of hybrid procedures. Its flexibly designed ceiling rail system allows perfect patient access in any situation.

• Detector size: 30 × 40 cm / 30 × 30 cm / 20 × 20 cm

Canon · Alphenix Hybrid+

Power	Detector	Pixel size
100 kW	a-Si / CsI	194 µm

Highlights

The combination of the Alphenix ceiling mounted C-Arm with a fully integrated dedicated surgical table, e.g. Maquet Magnus or Trumpf Trusystem 7500, perfectly meets the requirements for the rapidly growing number of hybrid procedures.
With its unique double sliding C-Arm the Alphenix Hybrid+ provides ultrafast whole body 3D coverage, free head access and a unique lateral C-Arm stroke for better ergonomics, improved productivity and stunning 3D images from head to toe.

• Detector size: 30 × 40 cm

Single Plane

Canon · Alphenix Core

Power	Detector	Pixel size
100 kW	a-Si / CsI	194 µm

Highlights

Cardiovascular intervention demands speed, precision, and optimum performance. The compact Alphenix Core 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.

- Detector size: 20 × 20 cm / 30 × 30 cm

Shimadzu · Trinias C16 / C12 / C8 Unity Edition

Power	Detector	Pixel size
100 kW	a-Si / CsI	194 µm

Highlights

- Detector size:
  16 × 12" (40 × 30 cm)
  12 × 12" (30 × 30 cm)
  8 × 8" (20 × 20 cm)
- Wide coverage for smooth operability
- SCORE Pro Advance image processing technology
- Comprehensive dose management technology
- Flex-APS
- SCORE RSM – motion-tolerant DSA
- SCORE StentView
- SCORE Chase
- SCORE CT / 3D / Navi
- SMART Table with advanced tilting functions
- SMART Design concept

Shimadzu · Trinias C12 Unity Hybrid Edition

Power	Detector	Pixel size
100 kW	a-Si / CsI	194 µm

Highlights

- Detector size: 12 × 12" (30 × 30 cm)
- 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, Flex-APS
- High flexible OR table provides an optimum radiographic area featuring a whole-body coverage

Shimadzu · Trinias F12/F8 Unity Edition

Power	Detector	Pixel size
100 kW	a-Si / CsI	194 µm

Highlights

- Detector size:
  12 × 12" (30 × 30 cm) / 8 × 8" (20 × 20 cm)
- Wide coverage for smooth operability
- SCORE Pro Advance image processing technology
- Comprehensive dose management technology
- Flex-APS
- SCORE RSM – motion-tolerant DSA
- SCORE StentView
- SCORE Chase
- SCORE CT / 3D / Navi
- SMART Table with advanced tilting functions
- SMART Design concept

Siemens Healthineers · Artis pheno

Power	Detector	Pixel size
100 kW	a-Si / CsI	160 µm

Highlights

ARTIS pheno – the only robotic C-arm system on the market - delivers images for preprocedural planning, intraoperative guidance, and immediate assessment

- Detector: zen40HDR, hi-res cristalline silicon / CsI, 30 × 40 (2,496 × 1,856 px), 160 µm
- Simplify and standardize surgical procedures – with Procedural Intelligence
- Visualization of up to ten vertebrae simultaneously – with large-volume 3D scanning
- Easy cleaning and disinfection – thanks to a seamless exterior with smooth surface and antimicrobial paint with significant effects on non-sporulatingmicroorganisms
- Wide-space C-arm – with a clearance of 95.5 cm

Siemens Healthineers · Artis zee, Artis Q, Artis Q.zen

Power	Detector	Pixel size
100 kW	a-Si / CsI	154 / 160 / 184 µm

Highlights

The Artis ceiling-mounted system enables clinicians to care with ease, precision and flexibility.

- Detector:
  20 × 20 (1,024 × 1,024 px), 184 µm
  30 × 40 (1,920 × 2,480 px), 154 µm
  30 × 40 (1,920 × 2,480 px), 154 µm
- 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

Single Plane

Siemens Healthineers · Artis zee, Artis Q, Artis Q.zen

Power	Detector	Pixel size
100 kW	a-Si / CsI	184 µm

Highlights

The Artis floor-mounted system enables clinicians to care with ease, precision and flexibility for small rooms.

- Small footprint of 29 qm
- 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 zee

Power	Detector	Pixel size
100 kW	a-Si / CsI	154 µm

Highlights

Artis zee multi-purpose is designed to meet the demands of interventional radiology and fluoroscopy.

- Detector: 30 × 40 (1,920 × 2,480 pixels), 154 µm
- Ergonomic system controls for smooth table-side operation
- 2 k imaging with highly practical and user-friendly handling features
- 3D acquisition rate up to 75 f / s

Siemens Healthineers · Artis one

Power	Detector	Pixel size
100 kW	a-Si / CsI	184 µm

Highlights

Artis one delivers proven state-of-the-art technology. Intelligent operation is enhanced by a configurable heads up display, allowing easy system operation and undistracted operator attention.

- Detector: as30, (1,560 × 1,420 pixels)
- Small footprint of 25 qm[2]
- Slim-line design for easy patient access
- Ergonomic system controls for smooth table-side operation
- Ceiling-like flexibility and full patient coverage of 2.10 m
- Integrated 3D-Imaging and review with acquisition rate up to 66 f / s

Siemens Healthineers · Artis icono floor

Power	Detector	Pixel size
100 kW	a-Si	154 µm

Highlights

ARTIS icono floor offers great technologies for interventional radiology

- Excellent longitudinal coverage of 2.10 m for imaging most patient from head to toe
- Lateral coverage of 1.90 m supporting new workflows and
- Motorized system movement without the need to move the table
- OPTIQ technique based on automatic parametrization and intelligent, self-adjusting algorithms.
- Case Flows to personalize and standardize workflows

Surgical Flat Panel C-Arms

Dinamik Röntgen · C-arm DR System

Power	Detector	Pixel size
5 kW	23 × 23 cm	179 µm

Highlights

The Dinamik Röntgen X-ray systems meets all hospital's requirements

- Easy to use and friendly interface
- Fully motorized movements
- Cheap maintenance and spare parts
- Light weight
- Esthetic and smooth design
- Auto stitching function
- 5 kW - F: 20 mA R: 100 mA - 80 mAs - HF
- 0.3 × 0.6 mm - 200 kHU tube
- 1,280 × 1,280 pixels FPD
- 2 x 22" workstation Image processing software DSA-Road Mapping

Surgical Flat Panel C-Arms

Fujifilm · FDX Visionary-C and CS

Power	Detector	Pixel size
5 – 20 kW	CsI	154 – 205 µm

Highlights
- Advanced C-arm Fluoroscopy solutions engineered for fast, precise positioning and advanced image quality
- FDX Visionary-CS's compact all-in one design and built in large 27" landscape monitor allows improved access in smaller rooms.
- FDX Visionary-C's perfectly balanced lightweight C-arm and dual 21.5" touchscreen monitor cart provides fast accurate positioning and ultra-sharp image viewing.
- 21 × 21 cm and 30 × 30 cm amorphous Silicon (aSi) flat panel detectors provide ultra-low dose fluoroscopy.
- Featuring a removable grid and dedicated 'radiography mode' for high quality still imaging

GMM Group · Symbol FP – Mobile C-Arm System

Power	Detector	Pixel size
20 kW	a-Si	154 µm – 184 µm

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.
- Detector size: 26 × 30 cm

Intermedical · "New" Radius XP with flat panel

Power	Detector	Pixel size
30 kW	a-Si / CsI	--

Highlights
- Large power reserve of 30 kW
- Boost up to 250 mA
- Excellent 1,536 × 1,536 pixels image quality
- Max. 25 frames sec
- Touch Screen Panel PC directly on C-Arm with live image preview
- 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
- Available with FPD 30 × 30 or 21 × 21 cm

Medtronic · O-arm System

Power	Detector	Pixel size
32 kW	a-Si - 2.0K × 1.5K	194 µm

Highlights
- Designed for surgery
- 13s true 360° 3D scan – Fully mobile
- Flexible intra-operative 2D- and 3D-imaging
- 3D scan volume up to 40 cm width
- Seamless integration in OR workflow
- Easy in use: All motions motorized, simple control panel
- Position memory remembers four scan positions
- Easy draping of the breakable gantry
- Seamless integrating with Stealth-Station Navigation
- New 2D long-film option allows AP and lateral imaging up to 45 cm length

Siemens Healthineers · Cios Spin

Power	Detector	Pixel size
12 / 25 kW	30 × 30 cm	152 µm

Highlights
- More certainty in demanding cases with intraoperative quality control based on dedicated 3D technology
- More efficiency in intraoperative 3D imaging
- More cost-effectiveness in surgery through intraoperative corrections based on 3D images

Siemens Healthineers · Cios Alpha

Power	Detector	Pixel size
12 / 25 kW	20 × 20 / 30 × 30 cm	152 µm

Highlights
- Up to 25 percent more coverage[1] even during image rotation – thanks to smart collimation
- Retina technology enables surgeons to see the details they need to see
- Improve efficiency in your clinical workflow – with remote control unit[2], electromagnetic brakes, and a wireless footswitch[2]

[1] Compared to conventional 33 cm image intensifiers [2] Option

Surgical Flat Panel C-Arms

Siemens Healthineers · Cios Flow

Power	Detector	Pixel size
2.3 kW	20 × 20 / 30 × 30 cm	152 µm

Highlights

- Intuitive use, low weight, and easy maneuverability –for easy system operation and more ease in the OR
- Boost system utilization – with a multipurpose system that can be used across a variety of disciplines
- Safeguard data and access – with advanced cyber security

Siemens Healthineers · Cios Select with FD

Power	Detector	Pixel size
2.3 kW	21 × 21 cm	205 µm

Highlights

- Retina FD technology - See more anatomical details with flat-detector imaging
- Productivity – streamline your work with smart touch user interface, wireless footswitch[1], and easy patient positioning
- Reliability – experience 99.8 % system availability[2]

[1] *Option* [2] *Average system availability over the entire Siemens C-Arm installed base*

Stephanix · Omniscop DReam

Power	Detector	Pixel size
5 kW / 20 kW	21 × 21 cm / 30 × 30 cm	154 µm

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
- Detector size: 21 × 21 cm / 30 × 30 cm

Stephanix · Omniscop DReam S

Power	Detector	Pixel size
4.2 / 5 kW	21 × 21 cm / 30 × 30 cm	194 / 205 µm

Highlights

- Orthopaedic / Urology / Cerebral / Thoracic / Pain therapy / Peripheral vascular using DSA function
- Single unit system, all components integrated into the C-arm stand
- Very small footprint
- 4 Mpixel 27" medical monitor on an articulated arm, adjustable height and angle
- Dynamic FPD with high DQE and MTF
- Advanced functions : APR, post-processings, DSA
- DICOM connectivity
- Detector size: 21 × 21 cm / 30 × 30 cm

SternMed · Xenox C400

Power	Detector	Pixel size
30 kW	a-Si	200 µm

Highlights

- Xenox C400 (with flat panel) 30 × 30 or 21 × 21 cm
- Digital memories: 1.5k × 1.5k, with acquisition up to 25 fps 1k × 1k
- 30 kW H.V. generator
- Dual cooling systems for immediate and effective heat removal
- Dual power system: Power reserve system
- E-Motion system: C-arm movements, fully motorized (optional)
- 215 mm horizontal run (17 mm in motorized version)
- Wide orbital movement 150°
- C-arm lateral rotation: ± 180°
- 10" touch screen control console

Technix · TCA7

Power	Detector	Pixel size
20 kW	21 × 21 cm / 30 × 30 cm	205 / 194 µm

Highlights

- Orthopedics, spine, abdomen, vascular
- Rotating anode, water cooled for long procedures
- Large C-Arm and wide orbital rotation permits easy patient positioning
- Intuitive Touchscreen user interface with image preview
- Removable grid and motorized filters for pediatric application
- Up to 250,000 image storage capacity
- CD / DVD and USB for image exporting
- Full DICOM connectivity

Surgical Flat Panel C-Arms

Ziehm · Vision RFD Hybrid Edition

Power	Detector	Pixel size
25 / 30 kW	CMOS / a-Si	100 µm / 194 µm

Highlights
The Ziehm Vision RFD Hybrid Edition* is a powerful 30** kW mobile C-arm that is available with CMOS imaging technology to successfully perform during highly demanding interventional cardiovascular procedures. Benefit from Enhanced Vessel Visualization and bring color to your vascular X-ray images. With its zero room preparation, the comprehensive mobile solution easily takes your OR to the next level.
• Detector size: 31 × 31 cm / 20.5 × 20.5 cm (CMOS) · 30 × 30 cm (a-Si)

** Ziehm Vision RFD Hybrid Edition represents a group of optional hardware and software that creates an option package on the device named Ziehm Vision RFD.*
*** In combination with dedicated cardio packages*

Ziehm · Vision RFD 3D

Power	Detector	Pixel size
25 / 30* kW	CMOS / a-Si	100 µm / 194 µm

Highlights
Bundling 2D and 3D functionality for greater intraoperative control, the Ziehm Vision RFD 3D reduces the need for postoperative CT scans and costly corrective surgeries. It is equipped with Ziehm Iterative Reconstruction (ZIR) to minimize fan and metal artifacts in 3D reconstruction, so far only known from CT imaging. This makes the Ziehm Vision RFD 3D ideal for high-end orthopedic, trauma and spinal interventions as well as for demanding multidisciplinary use.
• Detector size: 31 × 31 cm (CMOS) · 30 x 30 cm (a-Si)

** In combination with dedicated cardio packages*

Ziehm · Vision RFD

Power	Detector	Pixel size
25 kW	CMOS / a-Si	100 µm / 194 µm

Highlights
The Ziehm Vision RFD is equipped with a powerful generator that penetrates even large anatomy. In addition, advanced active cooling facilitates long and demanding procedures and the intuitive Ziehm usability concept* helps surgeons ensure consistently high clinical standards. This impressive feature lineup make the systems ideal for challenging interventions.
• Detector size: 31 × 31 cm / 20.5 × 20.5 cm (CMOS) · 30 × 30 cm (a-Si)

** The Usability Concept includes a variety of hard- and software features. Due to regulatory reasons the availability of each feature may vary. Please contact your local Ziehm Imaging sales representative for detailed information.*

Ziehm · Vision FD

Power	Detector	Pixel size
2.4 kW	CMOS / a-Si	100 µm / 150 µm

Highlights
Now in the upgraded CMOSline*, the Ziehm Vision FD features an enhanced imaging chain for excellent image quality and – thanks to the Advanced Active Cooling – is designed for continuous use. In addition, finely tuned workflows and new software features help to optimize patient outcomes and further increase productivity. The Ziehm Vision FD is now also available with a 31 × 31 cm / a-Si flat-panel. The bigger detector size allows to cover larger anatomical regions in orthopedic and vascular surgery.
• Detector size: 20.5 × 20.5 cm (CMOS) · 31 × 31 cm (a-Si)

** CMOSline represents a system configuration that is based on a Ziehm Imaging CMOS flat-panel detector.*

Ziehm · Solo FD

Power	Detector	Pixel size
2.4 kW	CMOS	100 µm

Highlights
With its all-in-one design, the Ziehm Solo FD is one of the most compact C-arms on the market for even the smallest treatment scenarios. The system is equipped with the latest CMOS flat-panel technology – to perform a wide range of applications like orthopedics, trauma and pain management with excellent image quality. Versatile viewing options offer maximum flexibility in the OR to support your clinical workflow.
• Detector size: 20.5 × 20.5 cm

Surgical II-C-Arms

DK Medical · Prostar

Power	II format	CCD-matrix
2.2 kW	9"	1 k × 1 k

Highlights

- Surgical C-arm for orthopedic
- Compact design for easy operation and powerful performance
- High performance with high resolution image and lower dose
- Dose reduction through various pulsed fluoroscopy modes
- Seamless compatibility with DICOM3.0
- Wider SID, wiser operation
- Two control panel on both side
- C-arm movement fully counter balanced
- 19" dual monitor (43" monitor is option)

GMM Group · Symbol – Mobile C-Arm System

Power	II format	CCD-matrix
4 kW – 10 kW	9" / 12" / 13"	1k × 1k

Highlights

- Innovatory mobile C-Arm system for outstanding performances and superior image quality in surgical imaging application.
- Provided with High Frequency generator and ample C-Arm allowing wide and extended movements.
- 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

Power	II format	CCD-matrix
3,5 / 5 kW	9"	1k x 1k

Highlights

- High resolution camera for fixed or rotating anode
- Touchscreen user interface
- High configuration cart with two 19" medical monitors
- Remote control
- Up to 110.000 image storage capacity (expandable on request)
- Laser for patient centering
- CD / DVD and USB for image exporting
- Full DICOM connectivity

Intermedical · Radius Single

Power	II format	CCD-matrix
3,5 / 5 kW	9"	1k x 1k

Highlights

Small and practical C-arm with one orientable 24" LCD touch-screen monitor, assembled directly on the unit (no trolley)

- Membrane keyboard with alpha-numeric touchscreen LCD display for all the parameters and error messages; it can be rotated ± 60°
- Software with 55.000 images (expandable on request)
- Measure software included in the standard configuration
- DICOM packages available on request

Shimadzu · Opescope Acteno

Power	II format	CCD-matrix
2 kW	23 / 15 cm	1 × 1 k

Highlights

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

Siemens Healthineers · Cios Select

Power	II format	CCD-matrrix
2.5 kW	23 cm	1 k[2]

Highlights

- 99.8 percent system availability[1] – reliability in a smart, lean design
- Smart system operation – with an intuitive user interface
- High image quality – combined with IDEAL (Intelligent Dose Efficiency Algorithm) dose management

[1] *Average system availability over the entire Siemens C-Arm installed base*

Surgical II-C-Arms

SternMed · Xenox C200

Power	II format	CCD-matrix
5 kW	9" / 12"	1 k × 1 k

Highlights
- DSA 25 frames/ses
- 2 × 19" active matrix LCD, anti-glare and hard coated (standard)
- 2 × 19" TFT with 2000:1 contrast ratio (optional)
- 1 TB hard disks up to 440,000 images storage capacity
- Full Dicom (optional)
- 200 mm horizontal C-arm run
- Orbital movement 125°
- 12° on each side C-arm swiveling measure & cine software
- 270° on each side arm rotation
- Dose meter (DAP meter)
- Touch screen keyboard with 5.7" LCD display with the possibility to rotate of ± 60°
- 1k CCD camera delivers sharp and detail-rich images

Villa Sistemi Medicali · Arcovis 3000 S Compact

Power	II format	CCD-matrix
3.5 kW	9"	0.5 × 0.5 k

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

Villa Sistemi Medicali · Arcovis 3000 S / R

Power	II format	CCD-matrix
3.5 – 15 kW	9" / 12"	0.5 × 0.5 k / 1 × 1 k

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 × 0.5 k or 1 × 1 k camera and several image storage options to satisfy all applications
- Premium version with 15 kW power, 9" or 12" I.I., 1 × 1k camera

Ziehm · Vision R

Power	II format	CCD-matrix
20 kW	23 cm / 31 cm	1 k × 1 k

Highlights

Equipped with a powerful monoblock generator with rotating anode technology, the Ziehm Vision R combines excellent image quality with minimized dose levels. The outstanding power reserves make this C-arm particularly suited for demanding procedures in cardiovascular surgery and interventional cardiology, including AAA, PTCA and coronary angioplasty.

Ziehm · Vision

Power	II format	CCD-matrix
2.02 kW	23 cm	1 k × 1 k

Highlights

As the basic technology platform for all mobile imaging systems in the Ziehm Vision family, this C-arm suits the broadest spectrum of surgical applications. Thanks to its liquid cooling system, the Ziehm Vision is designed for continuous use even during longer procedures. Packed with leading-edge functionality, the Ziehm Vision sets a standard in mobile imaging and ensures minimized dose levels.

Ziehm · Solo

Power	II format	CCD-matrix
2.02 kW	23 cm	1 k × 1 k

Highlights

Thanks to the integrated monitor, this C-arm is one of the most compact and versatile on the market. The Ziehm Solo is especially designed for crowded treatment scenarios in pain management, orthopedics and other applications. As an option, the Ziehm Solo can be easily supplemented with a Ziehm viewing station and ceiling or wall-mounted monitors. It is also available as a portable option for field operations.

Accessories / Complementary Systems

Canon Electron Tubes & Devices · X-ray Image Intensifier

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

Canon Electron Tubes & Devices · LM-Angio Tube

Power	Capacity
100 kW	2.1 MHU(Anode Heat Capacity)

Highlights
- For angiography systems (2.1 MHU)
- Uses a liquid metal bearing
- Our unique liquid metal bearing technology
- Compact Housing – provides a long tube life, quiet operation, high stability, and excellent reliability.

Canon Electron Tubes & Devices · Angio Tube Assembly

Power	Capacity
100 kW	3 MHU(Anode Heat Capacity)

Highlights
- For angiography systems (3 MHU)
- Uses a liquid metal bearing
- Our unique liquid metal bearing technology
- Compact Housing – provides a long tube life, quiet operation, high stability, and excellent reliability.

GCTechnology · CIRS Phantoms

Multimodality lumbar training phantom

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

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

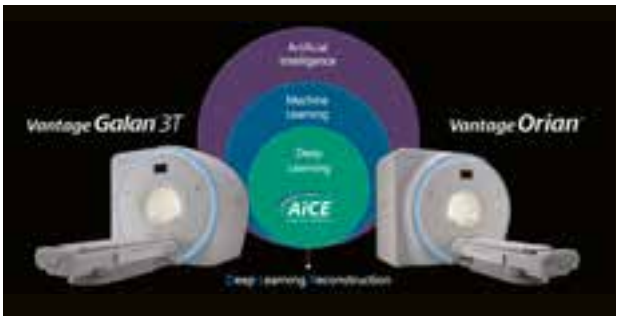
Siemens Healthineers · Corindus CorPath GRX

Highlights
- The first robotic platform designed for interventional physicians
- Enables precise measurement of anatomy and device positioning
- Added benefit of radiation protection for the physician and the potential to reduce radiation exposure for staff and patients
- technIQ Smart Procedural Automation provides predictable and consistent movements that aid in advanced navigation, lesion crossing, and device manipulation during complex coronary and peripheral interventional procedures

Artificial Intelligence

Artificial Intelligence

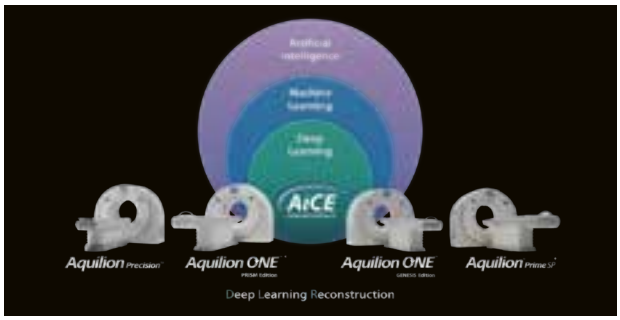
Canon · Advanced intelligent Clear-IQ Engine for MR



Highlights

The power of AI is brought to routine MR imaging by Canon Medical's Deep Learning Reconstruction technology: Advanced intelligent Clear-IQ Engine (AiCE). AiCE is the world's first fully integrated DLR technology for MRI and produces exceptionally detailed MR images. AiCE intelligently removes the noise from the images, which results in higher SNR enabling increased resolution or decreased scan time.

Canon · Advanced intelligent Clear-IQ Engine for CT



Highlights

The power of AI is brought to routine and spectral CT imaging by Canon Medical's Deep Learning Reconstruction technologies: Advanced intelligent Clear-IQ Engine (AiCE) and Spectral Reconstruction. AiCE is the world's first fully integrated DLR technology for reconstruction of noise free CT images. AI in Spectral Reconstruction results in a zero temporal off-set between low kV and high kV data sets.

Canon · HIT Automation Platform

Highlights

Automation Platform is an AI-based, zero-click solution that uses Deep Learning technology to streamline your workflow for fast, actionable results every time. AUTOStroke solution automatically analyzes images to fully characterize stroke conditions and integrates a comprehensive set of stroke applications:

- Non-contrast CT Intracranial Hemorrhage
- CT Perfusion maps
- CT Large Vessel Occlusion

Fujifilm · REiLI

REiLI

Highlights

Under the REiLI brand, Fujifilm is developing AI technologies that strongly support diagnostic imaging workflow, leveraging the combination of deep learning and Fujifilm's image processing heritage. Working with both Fujifilm developed algorithms and market leading specialist vendors, the REiLI platform can automate alerts and send critical information directly to the relevant clinician, increasing both the speed and accuracy of diagnosis and augmenting the decision making process.

Fujifilm · FDR EX-M1 AI box

Highlights

- Fujifilm expands AI CAD software integration across its modality portfolio to include the ground breaking ultralight compact portable X-ray system, FDR Xair and room solutions[1].
- Integrated AI CAD software Lunit insight CXR-MCA provides abnormality score by heatmap.
- Major chest abnormalities including nodule, consolidation, pneumothorax, atelectasis, fibrosis, pleural effusion, pneumoperitoneum and mediastinal widening supported
- Providing an advanced workflow and improved patient care pathway both inside and outside the hospital environment

[1] *Integration dependent on equipment configuration*

Artificial Intelligence

Gleamer · BoneView

Highlights
BoneView is an AI assistant that detects lesions in trauma X-rays, fully integrated in radiology and emergency workflows.

- Increasing diagnostic performances (30 percent reduction of missed fractures): "In a context in which exam workload is getting higher, AI allows us to reduce human errors" (user)
- Improving productivity "on top of obvious time saving, radiologist's comfort is improved by this instant and automated second reading" (user)
- "BoneView allows to reduce litigatious procedures linked to undescribed fractures" (user)

CE mark Class IIA, installed in +130 sites

Hitachi – Diagnostic Image Support Solutions

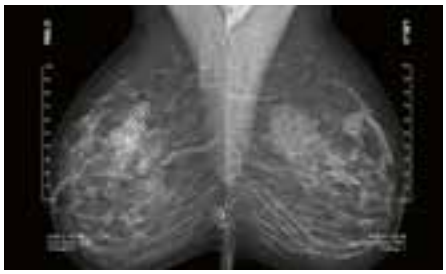
Highlights
Hitachi's diagnostic image support solutions are designed to improve the quality and efficiency of image diagnosis, using digital technology such as AI. Hitachi is now working on the next level of AI to not only improve disease detection such as early diagnosis but also enhance risk prediction and prevention of diseases.

Hologic · 3DQuorum

Highlights
3DQuorum technology utilises Genius AI-powered analytics to uniquely reconstruct high-resolution 3D Mammography data to produce 6 mm Smart-Slices. These speed up reading time by reducing the number of images to review, with no compromise in image quality, sensitivity or accuracy.[1]
Accelerate detection with our newest innovation reducing your read times by an hour a day.[1]

[1] *Data on File: Clinical Study Report CSR-00116*

iCAD · ProFound AI for 2D and 3D Mammography



Highlights
iCAD, with 20 years of experience, is the proven market leader in breast artificial intelligence. ProFound AI for 2D and 3D mammography detects and assesses malignant soft tissue densities and calcifications, and is extremely performant in subtle, hard to detect lesions such as those found in dense breasts.
Proven clinical results show ProFound AI for DBT decreased radiologist reading time in half, while improving their breast cancer detection rates by 8 % and specificity rates by 7 %. iCAD's breast health solutions suite also includes Density Assessment and ProFound AI Risk, the only two-year breast cancer risk tool based on a mammogram.

iCAD · ProFound AI Risk

Highlights
ProFound AI Risk is the first and only solution that uses a mammogram to provide women with a personalized two-year breast cancer risk estimation. This unique and accurate solution combines aspects within the mammographic images from a standard bilateral two-view full field digital mammogram, as well as age and breast density, to provide an absolute short-term breast cancer risk score. Scores are classified into four risk categories: low, general, moderate, and high.

mediaire · mdbrain

Highlights
mdbrain is an easy-to-use, platform independent & economic software solution for brain volumetry and the characterization of white matter lesions. mdbrain uses a combination of several deep learning methods to derive meaningful, well-visualized quantitative reports from MR images. The seamless integration into customers' local PACS allows for fast processing and the best possible data protection.

Artificial Intelligence

Mindray · ME

Highlights
ME is the first laptop ultrasound system powered by ZST+ platform.
Its AI empowered analysis tools, smart cardiopulmonary assessment solution, help to quickly assess patient status under critical care environment.

ScreenPoint Medical · Transpara

Highlights
ScreenPoint Medical is the leading developer of AI driven image analysis technology for automated reading of 2D and 3D mammograms. With proven accuracy matching experienced radiologists, Transpara is the most advanced commercially available multivendor AI solution (CE marked and FDA cleared for 2D and 3D). Contact us for more information.

Siemens Healthineers · AI-Rad Companion

Highlights
The AI-Rad Companion, a family of AI-powered, cloud-based augmented workflow solutions, helps you to reduce the burden of basic repetitive tasks and may increase your diagnostic precision when interpreting medical images. Its solutions provide automatic post-processing of imaging datasets through our AI-powered algorithms. The automation of routine workflows with repetitive tasks and high case volumes helps you to ease your daily workflow – so that you can focus on more critical issues.

Therapixel · MammoScreen

Highlights
MammoScreen: an AI-based concurrent reading aid for interpreting screening mammograms. It detects and characterizes suspicious regions of the breasts and generates a summary report containing the recommended action for the mammogram level and characterization of lesions and breasts suspiciousness.
- Trustable characterization score, clear recommended actions
- More confident decision making
- Workflow untouched
- Optimal human / machine complementarity

CE mark pending

www.radmag.de

IT Systems

RIS

Business Intelligence

PACS

VNA

Reading

Mammo Workstations

Remote Scanning

Pathology

Portal Solutions

Utilities / Add-ons

Mobile RIS / PACS Viewers

Dose Management Systems

Accessories / Complementary Systems

AGFA HealthCare

BMS INFORMATIONSTECHNOLOGIE® GMBH

BRACCO INJENEERING

Canon

EXAMION X-Ray Systems · Digital Imaging · Service

FUJIFILM

Guerbet

HOLOGIC

IMAGE Information Systems

i-SOLUTIONS HEALTH

medavis

KONICA MINOLTA

bender gruppe medigration

nexus/chili imaging & radiology solutions

OR Technology

SIEMENS Healthineers

SWISSRAY TECHNOLOGIES

RIS

Image Information Systems · iQ-Web RIS

Highlights

iQ-Web RIS is a flexible and modular web-based radiology information system, which can easily be customized to meet the needs of any hospital or imaging center.

- HTML5
- Advanced web-scheduling
- Flexible cross-site reporting
- Extensive statistics
- Secured access

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

medavis · medavis RIS – Radiology Information System

Highlights

medavis RIS manages the radiology workflow from appointment booking, examination, reporting to billing. The basis are optimal digital workflows and perfectly integrated interfaces to PACS, HIS and other systems. Additional modules support digital communication with patients, referring physicians or clinical staff.

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 dose management software solution..

Nexus / Chili · Nexus / RIS

Highlights

- Modern and intuitive user interface
- Scheduling and resource management
- Seamless integration with all our radiology products, e. g. PACS and portals
- Context-sensitive integration of 3rd party solutions, e.g. speech recognition, structured reporting and dose management
- Integration server for the management and monitoring of DICOM or HL7 interfaces
- Business intelligence tools

Business Intelligence

Agfa HealthCare · 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 HealthCare Business Intelligence reports are a cornerstone in better understanding operational realities, identifying areas for focused improvement and help build efficiency gains.

Business Intelligence

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

medavis · cockpit4med Radiology Dashboard

Highlights

cockpit4med provides dashboards with key management data of a radiological facility in real time, independent of location and at any time. This accelerates the derivation of targeted measures and shortens response times. The solution uses the latest technologies and is intuitive to use.

Siemens Healthineers · eHealth Solutions

Highlights

eHealth Solutions fosters collaboration among healthcare providers, while enabling you to improve patient outcomes and increasing patient safety. Improved data transparency helps you to avoid unnecessary costs caused by duplicate examinations and additional administrative efforts and supports you in optimizing resources that may otherwise be tied to fragmented IT and infrastructure maintenance.

Siemens Healthineers · teamplay myCare Companion

Highlights

teamplay myCare Companion is a telehealth solution for management of a variety of chronic conditions. It enables integrated, centralized monitoring from a wide variety of third-partymonitoring devices. An intuitive mobile app helps increase patient engagement – key to improving outcomes in chronic disease management – and helps patients connect to monitoring devices.

Siemens Healthineers · teamplay

Highlights

teamplay applications for performance management in healthcare help you make quick and well-informed decisions by offering a clear overview of your clinical and operational performance data.* The set of teamplay performance management applications gives you instant, centralized access to operational, technical and clinical data to help you optimize your operations and to deliver higher quality of care. Smart connections between the applications amplify the data insights and provide a seamless user experience.

** teamplay Protocols and teamplay Fleet supports (selected) Siemens scanners Please contact your Siemens representative for more details*

Siemens Healthineers · teamplay Usage

Highlights

teamplay Usage* is an utilization management solution that helps to optimize imaging operations and increase efficiency. teamplay Usage brings workflow transparancy in your radiology department, helping you to understand how to increase the productivity of your imaging fleet and balance resources more efficiently.

- Monitor your KPI's to better understand your workflow
- Drill down from a whole modality to a single procedure to discover patterns like long idle times and exam durations
- Identify best practice workflows by benchmarking between locations and scanners

** Please check if teamplay is available in your country*

Intelligent IT

Online appointment scheduling for optimum equipment utilization in real-time

Over the past few years, modern appointment management has found its way into German medical practices. Nevertheless, there is significant room for improvement as some doctors can still be contacted only by phone and only during office hours. Now, medigration GmbH offers a solution: a web-based appointment scheduling system that is an add-on to the radiology information system (RIS). "Many commercially available appointment management systems are geared towards a wide range of medical specialties. We decided to create an add-on specifically for radiology practices and integrated it in our multi-portal platform," explains managing director Markus Steinlein.

Patient appointment scheduling in radiology can get very complex, particularly when different sites are involved, since the scheduling team have to ensure balanced imaging equipment utilization. Moreover, the many calls the scheduling team have to field and poor plannability – because patients are late or no-shows – strongly impacts overall practice management and indeed the economic sustainability of the radiology service provider. "We integrated appointment scheduling in our RIS to enable optimal equipment utilization in real-time," says Steinlein. In other words: all scheduling rules defined in the scheduling tool can be applied for online appointment booking. The add-on offers radiology practices a further communication channel with patients and referring physicians. Thus, the radiologists can control the types of services they want to offer.

The workflow of the appointment scheduler can be either automated or moderated. "A moderated process has the advantage that the patients can enter their preferred times and the staff can process these requests quickly," says Steinlein. "Particularly with complex examinations this workflow leads to additional appointment bookings." Automated scheduling means that the scheduling team immediately see when an online request is being processed. "The moment a patient chooses a time slot, this slot is flagged in the scheduler. When the booking is completed, the appointment is fixed. If the patient abandons the booking process, the flagged time slot is available again."

Mobile use

The add-on is available for desktop and for mobile devices. If patients book via a smartphone or tablet they can enter the time and day in their calendar and can even download additional information such as directions. "Moreover, the patients can take a photo of their referral document and upload it to the system," Steinlein reports. "Thus the required patient data doesn't have to be entered manually – which removes a potential source of error. At the same time, the moderated workflow includes the referral document which contains the type of exam the referring physician has requested."

Privacy

Unlike other appointment scheduling systems, the medigration add-on is not strictly cloud-based. "A webserver is part of our multi-portal platform. Its main purpose is the transmission of images and reports, but with regard to the scheduler it is a secure link to the appointment planner in the radiology practice," says Steinlein. The data the patient provides in the course of the booking process is not permanently stored on the webserver but is simply passed through. "The actual data processing and storage happens in the radiology practice and the radiologist controls the data," Steinlein underlines.

www.medigration.com

In 2000, Markus Steinlein completed his informatics studies at Georg Simon Ohm University of Applied Sciences in Nürnberg, Germany. From 1999 to 2003 he was managing director of WSO Informatik GmbH. In 2003 he joined medigration GmbH as a software developer and was appointed head of software development in 2010. Since 2014 Steinlein has been the company's managing director in charge of software development and quality management.

Markus Steinlein is managing director of medigration GmbH

Business Intelligence

Siemens Healthineers · teamplay Protocols

Highlights

teamplay Protocols* is a protocol management system that facilitates remote access to your scanners, thus enabling central protocol management to ensure high quality of care and standardization throughout your whole organization.

- Perform systematic quality reviews easily
- Identify best practice scan protocols
- Save time and resources by remote editing, distributing and sharing protocols

** teamplay Protocols is an application to manage scan protocols and edit protocols remotely by connecting to Expert-i. It does not directly influence the scanner in its operation. teamplay Protocols for eligible Siemens CT, MR and PET/CT scanners only*

Canon · Vitrea Advanced Visualization

Highlights

- Suite of advanced applications provide full-powered solutions for 2D, 3D and 4D advanced visualization used to process and analyze clinical data from multiple modalities – MRI, CT, CR, DX, RG, RF, US, XA, NM, PET, PET/CT and SPECT
- Modular viewing platform that provides a broad range of clinical applications for cardiology, neurology, oncology, women's health and MSK
- With multi-vendor support, Vitrea's broad range of clinical applications can be used to read data for all the major vendors' equipment

Fujifilm · Synapse PACS

Highlights

Synapse PACS is a 100 percent web based, intuitive and scalable solution to meet your exact needs anywhere and at any time, with on demand access and fast image display. Synapse improves efficiency and workflow whilst enhancing access to patient data. Its scalable architecture enables the same product to be installed in any setting. Synapse offers integrated clinical tools, advanced visualisation modules and mammography functionality.

PACS

Agfa HealthCare · Enterprise Imaging for Radiology

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.

Examion · X-AQS

Highlights

Universal software platform for radiological image acquisition and management of all medical image data.

- High quality images in a few clicks
- Intuitive GUI with clear menu structure and icons
- Modular architecture, adaptable to all needs
- Certified diagnostic viewer with comprehensive measurement functions

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 10,000 facilities ranging from small, individual, imaging centers to large multi-modality, multi-site hospital installations across 118 countries. It is full-featured, state-of-the-art, robust and reliable, and available in most major world languages.

PACS

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

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 dose management software solution..

Nexus / 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
- Supports multiple IHE workflows
- Referring physician access
- Teleconferencing
- Consultation
- Portal functionality

Nexus / Chili · Import PACS

Highlights

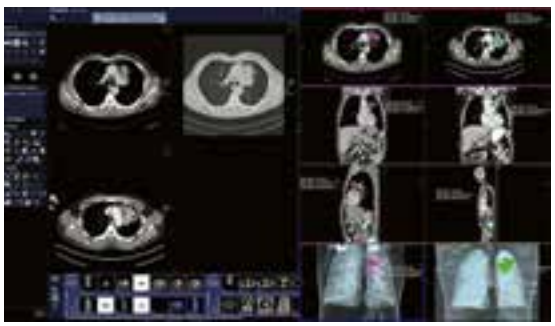
- PACS for external data from CD / teleradiology
- Temporary archive in addition to regular PACS
- Manual web-based import
- Automatic import with import robot
- Data reconciliation with own IDs (IHE compliant)
- Delivery to regular PACS
- Adjustable automatic data removal
- DICOM Q / R capable
- Works with any other PACS

OR Technology · dicomPACS

Highlights

dicomPACS is a sophisticated, high-tech image management solution based on VNA technology. With dicomPACS, all images generated by digital X-ray, CT, MRI and ultrasound devices, as well as diverse documents (e.g., doctors' letters …) are stored in a digital patient folder and readily accessible. Our carefully designed archive and backup solutions guarantee quick access to all data and high security standards.

Siemens Healthineers · *syngo*.plaza



Highlights

syngo.plaza is the smart PACS for reading and reporting a large variety of cases – from routine to complex.

- Centerpiece – robust performance, intuitive operation and intelligent reading tools
- Smart PACS – 3D technology, powerful storage capacities and vendor-neutral archiving even enterprise-wide
- Lasting investment – highly scalable long-term solution growing with your plans

VNA

Agfa HealthCare · 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.

Fujifilm · Synapse VNA

Highlights

Synapse VNA is our award winning (Best in KLAS 2019, 2020) Vendor Neutral Archive. It is the core building block of an enterprise imaging architecture, with a vendor neutral best of breed approach; it is a secure, scalable, standard-based application allowing clinicians and healthcare providers to access any relevant clinical object. Focused on all medical data, DICOM and native non-DICOM objects. Synapse VNA can also enable easy upload of content from the desktop or mobile device, helping Healthcare providers to reduce silos and ensure all data is available when a clinician needs it.

Nexus / Chili · Web

Highlights

- Multi-media (DICOM, JPEG, MPEG, PDF, …)
- Very well suited for teleradiology
- Referring physician access
- 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

Siemens Healthineers · next generation VNA

Highlights

Enterprise-wide clinical image data management (IDM) made easy: Your data strategy to lead the future. IDM is the universal solution that meets the requirements of a powerful enterprise data management solution for managing, sharing and archiving clinical data independent of format and origin (DICOM and Non-DICOM). Scalable storage capacities allow data management across departments.

- Patient-centric storage
- Single point of integration
- Cost-saving data management
- Virtual patient CD app
- Universal zero-footprint enterprise viewer

Reading

Fujifilm · Synapse 3D

Highlights

Synapse 3D is Fujifilm's vendor-neutral advanced visualization platform with more than 50 clinical modules. The advanced pre-surgical planning tools allow surgeons & clinicians to plan the most efficient, least invasive surgical activities supporting clinical teams to provide the best possible patient outcomes.

Image Information Systems · iQ-View

Highlights

iQ-View is the vendor neutral easy-to-use multimodality reading station that has been designed by radiologists for imaging specialists. A unique previous study management using artificial intelligence accelerates the diagnostic process by automatically presenting relevant previous studies of any modalities. iQ-View Pro automatically merges different patient identities from any PACS.

Reading

Konica Minolta · Exa Enterprise Imaging

Highlights
- Cloud-delivered enterprise imaging platform featuring a single integrated database providing a unified view of your patient and patient care
- Zero footprint viewer plus server-side rendering enable viewing any modality from any location
- Specialized viewing tools, including 3D mammography, echo / stress echo and ortho
- Custom workflow engine enables Exa to meet unique workflow requirements and goals
- Advanced analytics and dashboards to optimize your imaging business

Nexus / Chili · Diagnost

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

Siemens Healthineers · *syngo* Dynamics

Highlights

syngo Dynamics is a single, enterprise wide, multi-modality intelligent reading and structured reporting platform to streamline data transfer and workflow. It helps enable high quality outcomes, efficient workflows, and improved operational efficiency
- Efficient workflows: Enables healthcare teams to quickly and easily access study data
- Consistent data: Quickly connect to the right data and avoid missing or conflicting data, to enable high-quality outcomes and faster reimbursement
- Simplify operations: A single platform that helps coordinate care across the continuum

Siemens Healthineers · *syngo*.via

Highlights

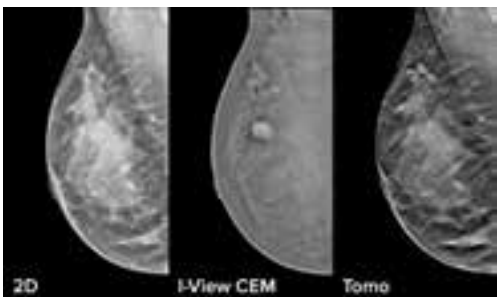
syngo.via is the intelligent, integrated imaging software, which offers multi-modality and fast 3D reading, innovative and AI-powered applications. It speeds up your routine and provides actionable imaging based results to enhance care delivery and outcomes.
- Simplifying routine – streamlined reading and reporting with powerful tools and integrated reporting solutions
- Empowering innovation – latest technologies and syngo.via open apps provide a gateway to innovations and boost your clinical capabilities
- Adapting to you – integrating seamlessly into your IT environment and growing with all your medical and operational needs from workstation to multi-site

Mammo Workstations

Fujifilm · Amulet Bellus II

Highlights
- Multi modality diagnostic workstation
- Tomosynthesis reconstruction for time saving image transfer
- Customizable GUI and workflow
- Report functionality and 3rd party report integration
- Can be integrated into existing environments
- Up to five clients

Hologic · I-View 2.0 Contrast Enhanced Imaging



Highlights

I-View 2.0 Contrast Enhanced Mammography software captures both anatomical and functional information in one exam by leveraging the ability to provide 2D, contrast and tomosynthesis images all under one compression.
The smooth, lower dose contrast image preserves the high-definition image quality helping increase diagnostic confidence guiding the clinical pathway from diagnosis to surgical management as an effective alternative to MRI.

Mammo Workstations

Hologic · Quantra 2.2 Breast Density Assessment

Highlights

Powered by machine learning analysing each patient's individual breast tissue pattern and texture, Quantra 2.2 allows the radiologist to confidently assess a breast density category based on a four-point scale similar to Bi-RADS 5th Edition. Quantra 2.2 available on the acquisition workstation and can help facilitating the implementation of high-risk/density-based patient management protocol at the point of care.

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)

Remote Scanning

Siemens Healthineers · *syngo*.Breast Care

Highlights

syngo.Breast Care is the advanced reading and reporting solution with powerful tools for efficient screening and comprehensive multimodality diagnostics.

- 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, contrast enhanced mammography, breast density and CAD information
- Integrated CAD solutions with interactive decision support based on highly trained AI-based algorithms

Siemens Healthineers · *syngo* Virtual Cockpit

Highlights

syngo Virtual Cockpit, a software for remote scanning assistance, lets you make the most of your imaging devices. Medical staff can use this software solution to connect remotely to scanner workplaces to assist personnel at a different location, especially where more sophisticated examinations are required.

- Boost confidence by sharing in-house expertise
- Enhance patient satisfaction by improving availability
- Relieve cost pressure by enhancing flexibility

Pathology

Fujifilm · Dynamyx

Highlights

Dynamyx is a vendor-agnostic, end to end digital pathology solution which can be integrated with any lab information system (LIS / LIMS) or digital slide scanner. Supporting LEAN workflow and collaboration (including online sharing). It allows pathology departments to move to digital at their own pace and allows the integration of any scanner or AI vendor via an open API throughout the life of the solution. The mature platform was designed by pathologists for pathologists and brings all of the tools to enable a pathology department to digitise and introduce LEAN working with minimal disruption and without any vendor lock in.

Portal Solutions

Image Information Systems · iQ-Web Portal

Highlights

- Share medical results, imaging studies and reports with your patients, referring or external reading physicians
- Access studies in full diagnostic quality via QR code, direct login or crypto web links
- Share portal access e.g. via WhatsApp, paper-based QR codes or direct HIS/RIS/EMR integration
- No client installation or registration required
- HIPAA and GDPR compliant patient data sharing

Portal Solutions

i-Solutions Health · RadCentre Patientenportal

Highlights

The RadCentre Patientenportal supports image and report communication between doctors and patients and improves utilization in medical facilities and clinics.

- Efficient appointment management for optimized processes
- Direct data exchange with referring physicians and patients
- Provision of information sheets and consent forms before examination

medavis · booking4med Online Appointment Booking

Highlights

booking4med is an online appointment solution for patients and referring physicians hosted in Germany. Thanks to the deep integration, appointments are automatically mapped in the medavis RIS scheduler. Patient data is handled with the highest security standards. No data is stored on the internet or in 3rd party systems.

medavis · portal4med Referrer and Patient Portal

Highlights

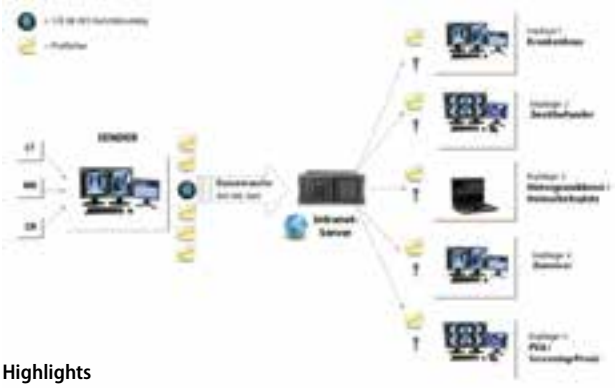
With portal4med, referring physicians have direct online access to their patients' radiological reports and images. Patients can access their own records online and make them available to other physicians. The data transmission is GDPR compliant and in accordance with the highest security standards.

medigration · MultiPortal

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

Nexus / 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 StrlSchV and DIN 6868-159
- Works with any PACS

Portal Solutions

Nexus / Chili · Telemedicine Record

Highlights

Web-based platform for the exchange of multimedia documents, e. g. diagnoses, lab results, DICOM images
- Capture, display and administration of patient data
- Forwarding to referring doctors
- Upload and download of DICOM and other images
- Inter-sector exchange of multimedia patient data
- Multicentre studies with DICOM images

Nexus / Chili · Teleradiology Portal

Highlights

Web-based portal that covers the entire teleradiological workflow
- Electronic request and reporting process
- Guided steps throughout the entire workflow
- Complete documentation of all steps
- Integrated quality assurance according to DIN 6868-159
- Transfer of images via DICOM
- Access to all data anywhere anytime
- Availability of data relevant to accounting

Nexus / Chili · Patient Portal

Highlights

Progressive solution for the exchange of medical data between institutions and patients
- Digital alternative for physical patient CD
- Protection of data privacy
- Easy integration into RIS
- Login via token, capture, and optional request of further information
- Works with all smartphones or desktop computers; no installation required for patients
- Automatic transfer of images from every PACS

OR Technology · ORCA – OR Cloud Archive

Highlights

The medical cloud ORCA offers two exciting applications: ORCA Archive and ORCA Share.
ORCA Archive transfers and stores image files from direct sources (e.g. digital X-ray, CT, MRI and ultrasound systems) as well as from Picture Archiving and Communication Systems (PACS). At the same time, ORCA is a platform for sharing data with external partners.
The application ORCA Share facilitates exchanging images and medical findings with staff, colleagues and specialists.

Utilities / Add-ons

Swissray · Cortex Protection Software

Highlights

Best-in-class malware prevention for X-ray systems:
- Uncover threats with cloud AI and behavioral analytics
- Prevent, detect, investigate and respond to all threats
- Block known and unknown attacks with powerful endpoint protection
- Validated by Swissray
- Unique to the DACH region

Mobile RIS/PACS Viewers

Agfa HealthCare · Enterprise Imaging

Highlights

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

Mobile RIS/PACS Viewers

Agfa HealthCare · 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.

Agfa HealthCare · Image 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 Image Exchange solutions provide the enhanced image sharing you need to improve the delivery of care while decreasing costs.

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.

medigration · MultiPortal

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 tablets & smartphones: Installation and updates easily via AppStore

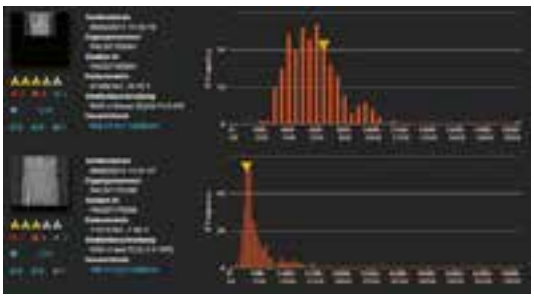
Dose Management Systems

Nexus / Chili · WebViewer^{NG}

Highlights

- Mobile image viewer
- Teleradiology
- PACS administration
- Easy integration into any other system, such as HIS / RIS / PACS / EPR
- Works without an app store
- Independent of operating system (iOS, Android, …)
- Device independent (Apple, Google, …)
- No app – but HTML5!
- Works with any PACS

Agfa HealthCare · Dose



Highlights

The web-based Dose monitoring platform, integrates directly into existing picture archiving and communication system's (PACS) environment. Collecting the dose and metadata information already there, it can create patient radiation dose analyses at the study, patient, device, modality or institution level. It also provides all the tools you need for root cause analysis, to help you understand and solve potential problems. The Dose monitoring solution gives the tools needed to manage, analyze and balance the organization's radiation dose management.

Dose Management Systems

BMS Informationstechnologie · EasyDose[QM]

Highlights

EasyDose[QM] liberates care professionals from most time consuming manual tasks: acquisition, documentation, analysis and archiving. It utilizes DICOM, HL7 and integrates seamlessly within existing HIS / RIS and PACS systems. Dose information about individual patients, modalities and departments can be obtained without complicating search mechanisms with a few mouse clicks. EasyDose[QM] has been developed with the end-user in mind.

BMS Informationstechnologie · EasyDose[QM] – Options

Highlights

EasyDose[QM] complementary options:

- Integration of measuring stations and column scales
- RFID tracking of mobile devices, e.g. C-arms
- GPU based Monte Carlo Simulation
- HIS / RIS / PACS integration

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
- Global dose registry for study dose comparison

*ALARA (as low as reasonably achievable)

Fujifilm · Synapse Dose

Highlights

Synapse Dose is a comprehensive system for monitoring and managing patient radiation exposure across different imaging modalities. It is a support for the optimization of radiological procedures and acquisition protocols, a tool for supporting clinical audit and it provides a comprehensive patient dosimetric history. General and specific dashboards track key performance indicators (KPI) to measure productivity, to achieve quality assurance and to support quality of care. Synapse Dose is the radiation dose index monitoring system developed by Fujifilm, compliant with the directive 2013 / 59 / EURATOM of the European Union.

Guerbet · Contrast&Care

Highlights

Contrast&Care is a solution dedicated to contrast dose management. It connects to all Guerbet injectors and Hospital Information Systems (RIS, PACS, EMR…) and collects all relevant data about contrast media usage, patient history, and injector activity. Contrast&Care facilitates the traceability of contrast media and provides several tools that help imaging centers optimize contrast media consumption.

Guerbet · Dose&Care

Highlights

Dose&Care is a state of the art radiation dose monitoring solution, which allows documenting patient exams, understanding the reasons for excessive exposure and monitoring activities related to patient exposure. It provides the means to remain compliant with an ever-evolving regulation while improving the workflow and ensuring patient safety.

Dose Management Systems

i-Solutions Health · RadCentre Dose View

Highlights
RadCentre Dose View is a stand-alone and RIS-independent dose management system to assess patient exposures due to ionizing radiation. The system is able to meet legal requirements (i.e. EU-Directive EURATOM 2013/59 and related national regulations for radiation protection) by offering consistent standards to increase the quality of radiological examinations.

medigration · Domako

Highlights
Domako. Simple software solution for dose management (DM). Collects, classifies and evaluates dose data; graphs them. Efficiently control DM process. Optimize protocols of modalities purposefully. Observes dose guidelines of BfS. Holistic/detailed, be it in terms of individ. protocols, pat. groups or individuals. Fulfils function of an autom. X-ray book. Enables to react proactively to deviations. Web-based on-premises system. Can be integrated into other software systems.

Siemens Healthineers · teamplay Dose

Highlights
teamplay Dose* simplifies radiation dose management for your entire imaging fleet by providing you with easy access to radiation dose data in order to reduce dose and facilitate compliance to dose management requirements.
- Simple monitoring and managing of dose values on various levels, ranging from all modalities to a single patient
- Find the outliers and understand the root causes to take corrective actions
- Learn from your peers by benchmarking dose values on global and national levels

** Please check if teamplay is available in your country*

Accessories / Complementary Systems

Canon · Advanced Edge Enhancement

Highlights
Enhanced visibility of catheters, fine structures and bones
- Better visualization of foreign structures in the image
- Enhanced display of fine structures
- Better definition of the structures in soft tissue and low dose area's
- Obtain enhanced images suitable for measurement or other applications
- Catheter, small structure and bone settings depending on the specific application
- Improved visibility of bone contours for easier measurement of length and angles

Canon · Scatter Correction

Highlights
Excellent image contrast without a grid. Canon's new image processing software Scatter Correction could reduce radiation dose by up to 60 percent on your radiographic examinations. Where a grid physically reduces scatter and thereby increases the image contrast, the software mimics this process virtually. The software works by creating a scatter model, which is subsequently subtracted from the image. The result is an image with reduced scatter and increased contrast. The software is available for Canon FPD imaging systems.

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

Mammography

Mammo CT

Tomosynthesis

Digital Mammography

Biopsy Units

Film-Screen Mammography

Accessories /
Complementary Systems

AB-CT

Canon

FUJIFILM

HOLOGIC

IMS Giotto

iae

Planmed

PTW THE DOSIMETRY COMPANY

SIEMENS Healthineers

STERNMED we make it possible

VAREX IMAGING

VILLA

Mammo CT

AB-CT – Advanced Breast-CT · nu:view

Pixel size	Scan time	Detector type
100 µm	7 – 12 s	Direct converting

Highlights

Leading edge breast CT system* for a revolutionary breast imaging experience

- Real 3D images with high isotropic resolution (voxel size: 150 µm)
- Superimposition-free, superb soft tissue differentiation
- Low dose in the range of mammograms
- Excellent patient comfort without compression
- Perfect for small / dense breasts, mastodynia, implants
- Unique single photon counting detector for highest sensitivity, accuracy and speed (direct conversion)

** Breast CT is an alternative breast imaging modality. Classified as "mammography" here for editorial purposes only*

Tomosynthesis

Canon · Artemis

Pixel size	Scan angle	Scan time
83 µm	30°	15 s

Highlights

The Artemis mammography system provides both 2D (Full Field Digital) and 3D (Digital Breast Tomosynthesis) imaging. The system system supports both screening and additional work-up examinations and biopsy procedures.

Fujifilm · Amulet Innovality

Pixel output	Scan angle	Scan time
50 µm / 100 µm / 150 µm	15° / 40°	4 s / 9 s

Highlights

- Unique Fujifilm developed a-Se detector using hexagonal pixels for dynamic readout of different resolutions
- New iterative reconstruction with new level of synthetic 2D image (S-View+) (Harmony) – corrected for low noise and better visibility of details, resulting in easy reading
- Ergonomic design for user and patients
- Dynamic image processing with advanced options like fine structure correction FSC and dynamic visualization II.
- Tomosynthesis biopsy, vertical and lateral approach
- CEDM; energy subtraction for mammography
- Dual angle tomosynthesis for dose efficient with maximum diagnostic performance

Hologic · 3Dimensions

Pixel size	Scan angle	Scan time
70 µm	15°	3.7 s

Highlights

Get a head start on identifying invasive breast cancer: Reveal the finest details with the fastest, highest resolution 3D Mammography images available. Designed to help you detect more invasive cancers with confidence, our advanced detector and innovative 3D Mammography imaging technolgies including Intelligent 2D our AI-powered synthesised 2D imaging deliver exceptional images.

IMS Giotto – GMM Group · Giotto Class

Pixel size	Scan angle	Scan time
85 µm	38.6°	13 s

Highlights

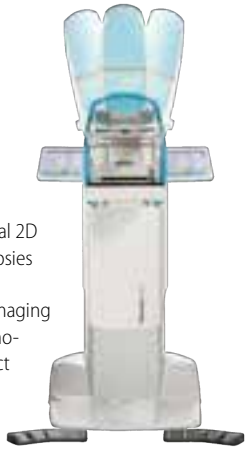
Giotto Class is an advanced and innovative three dimensional breast imaging technology able to perform

- Digital mammography examinations (2D)
- Breast Tomosynthesis (3D)
- Synthesized 2D image generated from 3D dataset
- Combo: Tomosynthesis & digital mammography
- Stereotactic biopsy in prone or upright position
- Contrast-Enhanced Spectral Mammography (CESM)

IMS Giotto is a company of GMM Group

Planmed Oy · Clarity 3D

Pixel size	Scan angle	Scan time
83 µm	15°	13 s



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 Tomo-Marker technology to enable sharp and artifact free images
- Intuitive Planmed Clarity Flow touch screen based user interface

Advancing the Breast Continuum of Care

The pandemic has presented healthcare systems with new challenges, resulting in backlogs of routine screenings and delayed procedures which threaten the health and wellbeing of patients, as well as the ability of facilities to serve their communities. In order to address these widespread issues, we need to ensure that healthcare professionals are able to operate with precision, confidence and efficiency. Especially now amidst the ongoing pandemic, it's important to assess ground-breaking technologies and understand how interconnected innovations can help enable today's providers to take on tomorrow's challenges.

As a global champion for women's health, Hologic is committed to helping healthcare professionals around the world diagnose and treat their patients with certainty and effectiveness, providing insight-driven solutions that encompass the full clinical continuum of breast health. By addressing the entire patient pathway, our innovations enhance workflow efficiency, reduce facility costs and improve patient outcomes. These innovations include:

Streamlining Workflow with Artificial Intelligence

Artificial intelligence is a crucial component for the future of women's healthcare and an effective solution to help address the current backlog issues facing radiologists. The European Commission Initiative on Breast Cancer (EBIC) guidelines on breast cancer screen-

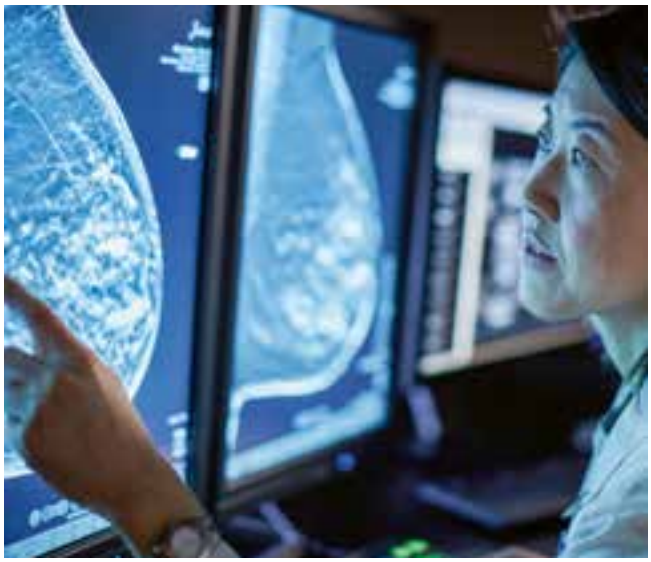
ing and diagnosis recently recommended for the first time the use of either digital breast tomosynthesis (DBT) or digital mammography in screening. While the additional breast imaging slices generated by DBT, also known as 3D mammography, can enable better cancer detection, the influx of images can also lengthen the reading process. Hologic's 3DQuorum Imaging Technology, Powered by Genius AI, is designed to help improve mammography efficiency and workflow without compromising image quality, sensitivity, or accuracy. By reconstructing high-resolution 3D data to produce 6 mm "SmartSlices," 3DQuroum reduces the number of 3D images to review by two-thirds and saves radiologists an average of one hour per eight hours of daily image interpretation time.[1]

Bringing 3D Imaging to Breast Ultrasound

Ultrasound has become an increasingly important tool for breast cancer diagnosis, enabling clinicians to assess breast lesions and anatomical structures without any radiation exposure. To further enhance the diagnostic accuracy offered by the SuperSonic Mach 30 and 20 ultrasound systems as well as improve patient outcomes, Hologic introduced 3D ultrasound imaging, allowing breast tissue to be visualized in any scanning plane. The additional details provided may assist clinicians in the workup of difficult lesions, including in patients with dense breast tissue.[2] Paired with the system's ShearWave PLUS elastography, 3D imaging may also contribute to more accurate tumour size estimation,[3,4] and clear margin definition in pre-operative settings. Furthermore, the innovation may play a role in monitoring and evaluating breast cancer patients during and after neoadjuvant chemotherapy.[5,6,7]

Improving Digital Specimen Radiography

Digital specimen radiography is an essential part of breast health care and treatment, helping to diagnose patients as well as ensure proper removal of suspicious lesions. Optimised for today's healthcare environment, Hologic's Faxitron Path+ Specimen Radiography System features a superior, high-resolution imaging detector enabling pathologists to image a wide range of specimens of varying sizes. By combining a larger field of view with intuitive, easy-to-use software, the system provides pathologists with accurate results in an efficient manner. This immediate access to high-resolution imaging and reporting helps reduce turnaround time and enables quicker patient diagnoses, as well as treatment.



Our mission to advance the Breast Continuum of Care is built upon an unwavering commitment to providers and their patients. Throughout the challenges and uncertainty of the past year, the healthcare field has been incredibly resilient, inventive and supportive. By continuing to collaborate as we navigate the ongoing pandemic, we can help ensure that healthcare professionals are equipped with the necessary tools and knowledge to provide expert care across the entire patient experience. By working together, we can deliver the ultimate solution.

www.hologic.com

[1] Report: CSR-00116

[2] Berg WA, Blume JD, Cormack JB, et al. Combined screening with ultrasound and mammography vs. mammography alone in women at elevated risk of breast. JAMA, 2008;299(18):2151-2163 cancer [published correction appears in JAMA, 2010;303(15):1482]

3 Farrokh A, Maass N, Treu L, et al. Accuracy of tumor size measurement: Comparison of B-mode ultrasound, strain elastography, and 2D and 3D shear wave elastography with histopathological lesion size. Acta Radiol., 2018;60(4):451-458

4 Mullen R, J M Thompson, O Moussa, et al. Shear-wave elastography contributes to accurate tumour size estimation when assessing small breast cancers. Clin Radiol., 2014;69(12):1259-63

5 Athanasiou A, Latorre-Ossa H, Criton A, et al. Feasibility of Imaging and Treatment Monitoring of Breast Lesions with Three-Dimensional Shear Wave Elastography. Ultraschall Med. 2015 Mar 5.

6 Ma Y, Zhang S, Li J et al. Comparison of strain and shear-wave ultrasonic elastography in predicting the pathological response to neoadjuvant chemotherapy in breast cancers. Eur Radiol. 2017;27(6):2282-2291

7 Lee SH, Chang JM, Han W, et al. Shear-Wave Elastography for the Detection of Residual Breast Cancer After Neoadjuvant Chemotherapy. Ann Surg Oncol., 2015;22 Suppl 3:S376-84

Tomosynthesis

Siemens Healthineers · 50° Wide-Angle Tomosynthesis

Pixel size	Scan angle	Scan time
85 µm	50°	25 s

Highlights

Advance screening and diagnostic results with high accuracy. 50° Wide-Angle Tomosynthesis has proven an increase in cancer detection rate of 41.5 % for invasive cancer – with a one-view tomo scan only.

- Highest depth resolution with 50° Wide-Angle Tomosynthesis
- Gain a fast overview – with our synthetic visualization Insight 2D
- 40 % dose reduction as opposed to FFDM as an adjunct to tomosynthesis
- Decrease tomo reading time - with our unique, synthetic visualization Insight 3D a unique, rotating 3D display in breast tomosynthesis

Siemens Healthineers · Mammomat Revelation

Pixel size	Scan angle	Scan time
85 µm	50°	25 s

Highlights

State-of-the-art digital mammography system for screening and diagnostics

- Make anatomical details clearly visible with our unique 50° Wide-Angle – in Tomosynthesis and Biopsy
- Automated breast density measurement right at the acquisition workstation allows for instant risk stratification
- InSpect – our integrated specimen scanner facilitates the immediate control of the biopsy directly at the system
- Get additional diagnostic information fast with Titanium Contrast Enhanced Mammography
- Unlock the potential of your X-ray department with Fleet Level Benefits

Digital Mammography

Villa Sistemi Medicali · Melody IIID TS 3.0

Pixel size	Scan angle	Scan time
85 µm	15° / 24° / 50°	2.5 s / 4 s / 7.7 s

Highlights

- Tomosynthesis function with selection of three scan angles: 15°, 24° and 50°
- Available with Amorphous Selenium FPD (standard or fast speed for tomo scan)
- Special anti-scatter grid for tomo
- Dynamic collimator with automatic recognition of compressor paddle
- Dual AEC: PRE in function of effective Breast Density and FAST in function of compressed breast thickness
- Full DICOM Acquisition workstation on-board or in a separated unit
- Ready for tomo-guided biopsy
- Ready to be implemented with Dual Energy work modality
- Optional diagnostic workstation available with CAD software

IMS Giotto – GMM Group · Giotto Class 40000

Pixel size	Detector size	Detector type
85 µm	24 × 30 cm	a-Se

Highlights

The system is designed to drastically improve the screening and diagnostic throughput thanks to an high rotation speed and an improved vertical run speed
The gantry is ergonomically designed to give patients a natural and more relaxed positioning
The operating and interventional modalities include:

- Digital mammography examinations (2D)
- Breast Tomosynthesis (3D)
- Synthesized 2D image generated from 3D dataset
- Combo: Tomosynthesis & digital mammography
- High precision tomo guided or stereotactic biopsy
- Contrast-Enhanced Spectral Mammography (CESM)

IMS Giotto is a company of GMM Group

IMS Giotto – GMM Group · Giotto Class Smartfinder

Pixel size	Detector size	Detector type
85 µm	24 × 30 cm	a-Se

Highlights

Giotto Class is a patented breast tomosynthesis system offering a multitude of diagnostic and interventional solutions, including Stereotactic biopsy in prone or upright position using the specific prone table accessory.

- High precision tomo guided biospy
- Combination of traditional stereo technique and tomo biopsy
- Integration with accessory for real-time acquisition of biopsy cores imaging
- The compact design allow the operator to use the system in the same room for both diagnostic and interventional procedures

IMS Giotto is a company of GMM Group

Planmed Oy · Clarity 2D

Pixel size	Detector size	Detector type
83 µm	24 × 30 cm	a-Si

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 S

Pixel size	Detector size	Detector type
83 µm	24 × 30 cm	a-Si

Highlights
- Sturdy companion for your everyday breast imaging and follow up studies
- Tailored image post-processing delivers optimal images for all needs
- Design enables perfect usability and excellent patient and user ergonomics
- Compact size, durable a-Si detector and single phase power feed make the unit optimal for demanding conditions such as mobile installations

Siemens Healthineers · Mammomat Fusion

Pixel size	Detector size	Detector type
83 µm	23 × 30 cm	CsI

Highlights
Premium mammography system to enhance everyday screening and diagnostics
- Help your patients to relax with the Mood-Light 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
- Unlock the potential of your X-ray department with Fleet Level Benefits

SternMed · Xenox S200

Pixel size	Detector size	Detector type
85 µm	23.9 × 30.5 cm	a-Si / CsI or a-Se

Highlights
- Indirect conversion technology: a-Si detector or optional direct conversion detector
- Automatic collimation and filtration according to the installed compression paddle
- Iso-centric C-arm
- Fully motorized movement
- Automatic exposure control (AEC)
- Acquisition console with 3 MP B/W monitor and transparent anti-X protective barrier
- Full field digital stereotactic biopsy
- Upgradable to 3D
- Stereotactic biopsy device

Villa Sistemi Medicali · Melody IIID C 3.0

Pixel size	Detector size	Detector type
85 µm	24 × 30 cm	a-Se or a-Si

Highlights
- High performance integrated X-ray generator with wide kV range (20 – 35 kV) and fine adjustment (0.5 kV step)
- Isocentric ±180° rotating C-arm with vertical and rotation (optional) motorized movements
- Available with Amorphous Selenium FPD
- Dual AEC: PRE in function of effective Breast Density and FAST in function of compressed breast thickness
- Double touchscreen LCD display to control main parameters
- Compact unit with full DICOM acquisition workstation on-board
- Optional diagnostic workstation

Villa Sistemi Medicali · Melody IIID 3.0

Pixel size	Detector size	Detector type
85 µm	24 × 30 cm	a-Se or a-Si

Highlights
- High performance X-ray generator with wide kV range (20 – 49 kV)
- Isocentric ±180° rotating C-arm with vertical and rotation motorized movements
- Dual AEC: PRE in function of effective Breast Density and FAST in function of compressed breast thickness
- Ready for optional stereotactic biopsy
- Full DICOM Acquisition workstation on-board or in a separated unit
- Upgradable to TS version with tomo
- Ready to be implemented with Dual Energy work modality
- Optional diagnostic workstation available with CAD software

Biopsy Units

Hologic · Faxitron Trident HD Specimen Radiography System

Pixel size	Detector size	Detector type
70 µm	16 × 18 cm	a-Se

Highlights
The Faxitron Trident HD system elevates specimen imaging. It's the latest device to use our amorphous selenium, direct-capture technology to eliminate the image degrading effects of light diffusion and improve image conspicuity. The system's Automatic Exposure Control (AEC) is optimized for breast excisions and core biopsies, and its advanced algorithm was created specifically for breast specimen radiography processing. Faxitron Trident HD turns images into answers – on the spot.

Biopsy Units

Hologic · Faxitron Core Specimen Radiography System

Pixel size	Detector size	Detector type
48 µm	5 × 10 cm	a-Se

Highlights

The Faxitron Core Specimen Radiography System helps to minimise delays by providing high resolution images without interrupting the mammography workflow. Within seconds this self-contained, tabletop unit provides high-resolution imaging for immediate core sample verification in the biopsy room. With one touch of a button, a successful biopsy procedure is confirmed. The Faxitron Core system is designed for efficiency.

Hologic · Affirm Prone Breast Biopsy System

Pixel size	Detector size	Detector type
70 µm	14.3 × 11.7 cm	a-Se

Highlights

The first dedicated prone stereotactic biopsy system with 2D / 3D imaging capabilities. The Affirm system provides exceptional 2D imaging capability and is upgradeable to 3D imaging. This next-generation solution elevates prone biopsy performance to a level never before possible by delivering superior imaging, a proven faster and more streamlined workflow, and total 360 access to the breast.

Hologic · Brevera Breast Biopsy System

Pixel size	Detector size	Detector type
20 µm	3.3 × 2.5 cm	a-Se

Highlights

The Brevera breast biopsy system with CorLumina imaging technology is the world's first and only solution to combine tissue acquisition, real-time imaging, verification and advanced post-biopsy handling – all in one, integrated system.
It is designed to remove unnecessary steps to streamline and shorten procedure times by up to 10 minutes. Fast, accurate procedures mean less time under compression and can result in an more positive experience for you and your patients.

IMS Giotto – GMM Group · Giotto Flexitable

Pixel size	Detector size	Detector type
85 µm	24 × 30 cm	a-Se

Highlights

Flexitable is an accessory which, in combination with the Giotto CLASS system and the Smartfinder biopsy kit, enables interventional prone biopsy procedures

- High manoeuvrability, thanks to its reduced weight, the handle and the special wheels
- Excellent ergonomics for the patient thanks to the possibility of adapting the position of the breast and inclining or raising the front end of the table to compensate for bending and come into closer contact with the chest
- Excellent ergonomics for the operator: thanks to the large vertical travel, which makes it possible to work either standing or sitting, and the absence of connecting cables when the table is powered by the battery

IMS Giotto is a company of GMM Group

Film-Screen Mammography

Siemens Healthineers · Mammomat Select

Power	Anode	Filter
23 – 35 kV	Mo	Mo / Mo or Mo / Rh

Highlights

An analogue 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
- Unlock the potential of your X-ray department with Fleet Level Benefits

Villa Sistemi Medicali · Melody III 3.0

Power	Anode	Filter
20 – 35 kV	Mo	Mo / Rh

Highlights

- High performance integrated X-ray generator with wide kV range and fine adjustment (0.5 kV step)
- AEC with selection of exposure parameters in function of effective breast density
- Available with 18 × 24 / 24 × 30 cm bucky or potter accepting both cassette sizes
- Isocentric ± 180° rotating C-arm with vertical and rotation (optional) motorized movements
- Ready for optional stereotactic biopsy
- Double touchscreen LCD display to control main parameters
- Upgradable to digital version

Accessories / Complementary Systems

Hologic · LOCalizer wire-free guidance system

Highlights

The LOCalizer wire-free guidance system is designed to guide breast surgeries easily and precisely. Instead of using wires or radioactivity, the LOCalizer™ system marks the lesion with a miniature radio frequency Tag that is tracked with a mobile handheld Reader. The RFID Tag is designed to be implanted into the breast any time prior to surgery. The handheld displays the distance from the Tag in millimeters and the unique ID number, ensuring that this is the intended, marked spot.

Hologic · Viera Breast Performance package with Clarius HD

Highlights

- Handheld Portable Ultrasound with Hologic Viera Breast Performance Package
- Full set mode (B mode, PW, Color, Strain, Needle...) and features (Markers, reports, measurements and calculations...)
- High definition imaging (5 – 15 MHz, 192 elements, 8 beam formers, Noise reduction...)
- Light and long life battery
- Easy to use and streamlined workflow with Clarius cloud-based technology

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

I.A.E. · XK1016T-400W

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

PTW · Normi MAM – Digital X-Ray Test Object

Highlights

- Checks all relevant parameters of digital mammographic X-ray installations
- Fully complies with DIN 6868-162 and DIN 6868-14
- Modularly composed test object
- Incl. different absorbers and test elements

Varex Imaging · B-121 – Mammography Housing

Highlights

The B-121 is an air cooled mammography housing that fits a standard three-inch X-ray tube insert meant for digital and tomography applications.
The housing has two shroud configurations; with and without quiet D/C fans.
The B-121 offers 300 watts of continuous heat dissipation with fans, which is approximately 200 % greater than standard mammography housings.

R / F Film-Screen

Bucky

Examion · X-R Ceiling

Power	Table	Table height
55 / 65 / 80 kW	Floating	54 – 93 cm

Highlights

The Examion ceiling-suspended X-ray systems meet all hospital's requirements.

- Well proven system
- Manual or motorized tube support
- Low maintenance effort
- Affordable price

Examion · X-R Static Z / U-Arm

Power	Table	Table height
55 / 65 / 80 kW	Mobile table on request	59.5 – 86.5 cm

Highlights

The U-Arm and Z-Arm systems are compact and space-saving X-ray machines.

- Ideal for small rooms and low ceilings
- Easy positioning due to direct coupling of detector and tube
- Low maintenance effort
- Affordable price

GMM Group · Opera RT20 – RAD and TOMO Unit

Power	Table	Table height
32 kW – 80 kW	Floor mounted	Adjustable

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.

Roesys · X Fit – Basic X-ray system for all kind of detectors

Power	Table	Table height
50 – 80 kW	Floating	550 – 850 mm

Highlights

Stable and durable metal construction developed and made in Germany. Floating table top, height adjustment, electrical brakes and rotating/swiveling tube arm. Basic X-ray system suitable with all kind detectors (CR, DR).

Shimadzu · RADspeed Pro Automatic

Power	Table	Table height
50 / 65 / 80 kW	Floating	53,5 – 85 cm

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
- Upgradeability to a fully-fledged digital system

Shimadzu · RADspeed Pro MC

Power	Table	Table height
50 / 65 / 80 kW	Floating	53,5 – 85 cm

Highlights

- Generator with high-frequency inverter technology
- Long vertical travel of ceiling-mounted tube support
- High-load capacity table
- Space saving installation concept
- Upgradeability to a fully-fledged digital system

Bucky

Shimadzu · RADspeed Pro MF

Power	Table	Table height
50 / 65 / 80 kW	Floating	53,5 – 85 cm

Highlights
- Generator with high-frequency inverter technology
- Floor-mounted tube support
- High-load capacity table
- Space saving installation concept
- Upgradeability to a fully-fledged digital system

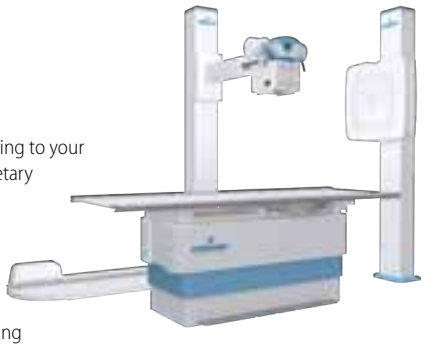
Shimadzu · RADspeed Fit Plus

Power	Table	Table height
32 / 56 kW	Floating	70 cm

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

Stephanix · RAD Series

Power	Table	Table height
Up to 80 kW	Floating	Fixed / variable



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
- Floor or ceiling tubestand
- Tomography
- Compact and reliable solution
- Upgradable to DR

Villa Sistemi Medicali · Moviplan 800

Power	Table	Table height
32 / 40 / 50 / 65 / 80 kW	Floating	Fixed / adjustable

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
- Cassette size: 13 × 18 – 35 × 43 cm

Fluoroscopy

Shimadzu · Flexavision eXceed Edition Series

Power	II format	CCD-matrix
50 / 80 kW	12" / 9"	1024 × 1024 × 12 Bit CCD

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

Villa Sistemi Medicali · Apollo 4.0

Power	II format	CCD-matrix
50 / 65 / 80 kW	9" / 12" / 16"	1 k x 1 k

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

Fluoroscopy

Villa Sistemi Medicali · Apollo EZ 4.0

Power	II format	CCD-matrix
50 / 65 / 80 kW	9" / 12"	1 k × 1 k

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

Mobile X-ray

DRgem · Jade

Power	Operation	Motorized
4 kW	Mains	No

Highlights

- System concept: Portable radiography system
- Compact and powerful design
- Convenient and intuitive operation
- 110 ~ 240 VAC (Free voltage) input
- 40 ~120 kV, 10~ 100 mA
- Includes manual collimator
- Four-way control – Main body, control console, remote control and control application (USB interface & Bluetooth)
- Preprogrammed APR data and user-programmable APR
- Simple, collapsible mobile stand with external console
- USB external interface, with bluetooth or DR interface options

Examion · X-R Mobile 320

Power	Operation	Motorized
32 kW	no	no

Highlights

The X-R Mobile 320 is a robust X-ray system that meets all requirements of hospitals.

- Easy maneuvering and positioning
- Rotating colum (optional)
- Width: 61.8 cm
- Weight: 170 kg
- Compact
- Affordable price

Fujifilm · FDR Xair

Power	Operation	Motorized
4.5 kW	Battery	No

Highlights

- FDR Xair's ultralight compact portable design provides a strong advantage when accessibility to normal medical treatment settings is difficult.
- FDR Xair can provide a portable solution and a high-mobility workflow even in unconventional medical scenes.
- Excellent portability allowing greater freedom for imaging in patients home and other remote places
- Quick set up for use provides an efficient workflow
- Highly durable LED light source

Intermedical · Compact

Power	Operation	Motorized
32 kW	Mains	No

Highlights

Mobile system used for diagnosis and X-ray examinations. It allows to perform X-ray on CR or film by setting the most suitable radiological data according to the interested anatomic area

- High handiness allows an easy positioning of the unit close to any patient bed with precise movements thanks to the rotation of the column: ± 90°
- Storage of 36 exams (APR)
- Radiographic technique at two points
- Cassette holder (format 35 × 43 cm) for five cassettes
- Remote control device (optional)
- Possibility to upgrade from analogue to digital version

Shimadzu · MobileArt eco

Power	Opertion	Motorized
12.5 kW	Mains	No

Highlights

- Telescopic arm
- Easy positioning
- Wide coverage
- Compact design
- kV Range: 40 – 125 kV
- mAs Range: 0.32 – 320

Mobile X-ray

Shimadzu · MobileArt Evolution MX7

Power	Operation	Motorized
12.5 / 32 kW	Battery	Yes

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
- kV Range: 40 – 133 kV
- mAs Range: 0.32 – 320

Siemens Healthineers · Polymobil Plus

Power	Operation	Motorized
16 kW / 20 kW	Mains	No

Highlights
- Powerful entry level analog mobile X-ray system
- 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

Siemens Healthineers · Mobilett XP Hybrid

Power	Operation	Motorized
30 kW	Mains / Battery	Yes

Highlights
- Advanced analog mobile X-ray system
- Excellent image quality due to extremely short exposure times down to 1 ms
- 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
- Operation from both battery and mains power and motor assisted traveling

Stephanix · Movix Series

Power	Operation	Motorized
20/ 32 / 40 / 50 kW	Battery / Mains	Yes

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
- mAs Range: Up to 500 mAs
- kV Range: Up to 150 kV

SternMed · Xenox M80

Power	Operation	Motorized
15 / 30 kW	Mains	No

Highlights
- Rotating anode with 3,000 rpm (optional 10,000 rpm)
- 17 × 17" Rad field
- Storage for max. six cassettes
- Touch screen 10.4" TFT display
- Collimator with white light LED fieldpositioning and pediatric filter
- Big rear wheels ø 25 cm
- Manual driven
- Dead-Man brake system
- kV Range: 125 kV
- mAs Range: 0.1 to 125 mAs

Villa Sistemi Medicali · Visitor T30M

Power	Operation	Motorized
32 kW	Battery	Yes

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
- kV Range: 40 – 125
- mAs Range: 0.1 – 320

Mobile X-ray

Villa Sistemi Medicali · Visitor T30R

Power	Operation	Motorized
32 kW	Mains	No

Highlights
- Mobile unit designed for intensive care units as well as orthopedics, pediatric or surgery departments
- Compact design for a high maneuverability of the unit
- ± 90° arm rotation for increased flexibility of X-ray tube positioning
- APR anatomic mode
- User friendly control panel
- High performance generator and double focal spot (0.8 / 1.3 mm) tubehead
- kV Range: 40 – 125
- mAs Range: 0.1 – 220

Villa Sistemi Medicali · Visitor T30C

Power	Operation	Motorized
32 kW	Mains	No

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
- kV Range: 40 – 125
- mAs Range: 0.1 – 220

Villa Sistemi Medicali · Visitor T4

Power	Operation	Motorized
4 kW	Mains	No

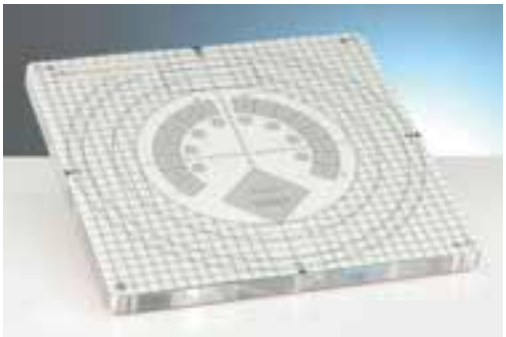
Highlights
- Cost-effective mobile unit granting compactness and ease of use
- Suitable for most examinations performed in plaster rooms and health screenings contexts
- Compact and lightweight design for easy handling
- kV Range: 40 – 110
- mAs Range: 0.2 – 250

Accessories / Complementary Systems

I.A.E. · C20

Highlights
- A new compact lightweight housing, specifically designed for mobile equipment.
- A low weight, less than 8.5 kg, combined with compact dimensions, 116 mm diameter and 342 mm length, allows significant reductions in the equipment supporting structures.
- A range of tube inserts up to 54 kW peak radiographic power at high rotation speed is available for this unit.

PTW · Normi RAD / FLU – X-Ray Test Object



Highlights
- Checks all relevant parameters of analogue and digital fluoroscopic and radiographic X-ray units
- Suitable for routine quality checks on over/under couch tubes and C arms
- Includes an attenuation plate for patient simulation
- Complies with DIN 6868-4 and 6868-150
- Available with the outer format of 300 × 300 mm or 200 × 200 mm

Roesys · X Mobil Q – Mobile table for U- or C-arm X-ray

Highlights
Mobile X-ray table with single sided floating carbon table top. Different models available with tilting and height adjustment by battery operation without disturbing cables. Can be completed with the necessary accessories.

R / F Digital

CR

DR

Portable DR

DR Detectors

Mobile DR

Flatpanel Fluoro

DXA

Accessories /
Complementary Systems


bender gruppe
medigration
mindray
NRT
OR Technology
PTW
THE DOSIMETRY COMPANY
roesys
Imaging future.
SHIMADZU
Excellence in Science
SIEMENS
Healthineers
Solutions for tomorrow
STEPHANIX
MEDICAL IMAGING SOLUTIONS
SWISSRAY
TECHNOLOGIES
STERNMED
we make it possible
TECHNIX
VILLA

CR

Agfa · CR 30-Xm*

Slots	Capacity	Resolution
1	82 Plates / h	10 – 20 Pixel / mm

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
- Cassette size: From 15 × 30 cm to 35 × 43 cm, incl. mammography

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

Agfa · CR 15-X

Slots	Capacity	Resolution
1	102 Plates / h	5 – 10 Pixel / mm

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 for decentralised hospital environments, clinics and private practices.
- Size: 580 × 700 × 471 mm (w × d × h)

Agfa · CR 12-X

Slots	Capacity	Resolution
1	Up to 78 Plates / h	5 -10 Pixel / mm

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
- Cassette size: From 15 × 30 cm to 35 × 43 cm, incl. mammography

Agfa · CR 10-X

Slots	Capacity	Resolution
1	34 Plates / h	10 Pixel / mm

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
- Cassette size: 35 × 43 cm

Agfa · DX-M*

Slots	Capacity	Pixel size
1 – 5	83 Plates / h	6,7 – 20 Pixel / mm

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
- Musica Image Processing
- Cassette size: From 15 × 30 cm to 35 × 43 cm, incl. mammography

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

Examion · X-CR Tabletop Sigma

Slots	Capacity	Pixel size
1	60 Plates / h	87.5 µm / 175 µm

Highlights

The X-CR Tabletop Sigma is the most universal solution available for digital X-ray images with superior image quality. It is compact, lightweight and extremely robust.
- Cassette size: 18 × 24 cm – 35 × 43 cm
- High resolution mode with 87.5 µm pixel size
- Reading time up to 60 cassettes (35 × 43 cm) per hour
- Reliable performance and affordable price

CR

Konica Minolta · Regius 210

Slots	Capacity	Pixel size
1	100 Plates / h	175 µm / 87.5 µm / 43.75 µm

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)
- Cassette size: From 18 × 24 cm to 35 × 43 cm

Konica Minolta · Regius 110 HQ

Slots	Capacity	Pixel size
1	80 Plates / h	175 µm / 87.5 µm / 43.75 µm

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
- Cassette size: From 18 × 24 cm to 35 × 43 cm

Konica Minolta · Regius Sigma II

Slots	Capacity	Pixel size
1	60 Plates / h	87,5 / 175 µm

Highlights
- Only 28 kg
- Foot print only 0.31 m^2
- Ultra compact: Konica Minolta's smallest and lightest CR reader
- Environmentally friendly with an energy consumption of max. 100 VA
- Cassette size: From 18 × 24 cm to 35 × 43 cm

OR Technology · Divario CR-T2 / CR-Tm

Slots	Capacity	Resolution
1	73 Plates / h	10 Pixel / mm

Highlights
- Small – compact desktop unit (0.30 m^2 footprint)
- High quality – constant, high-resolution image quality
- Flexible – portable, suited for mobile use; Stitching (optional) – for full spine and long leg X-ray images – the separate images are stitched together automatically (auto-stitching)
- Fast – maximum processing capacity: 73 cassettes per hour for 18 × 24 cm format
- Divario CR-Tm – with extra high resolution up to 50 µm (mammography compatibility)

DR

Agfa · DR 600 (Ceiling Suspended)

Power	Detector type	Pixel size
40 / 50 / 65 / 80 kW	CsI / GOS	<150 µm

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
- "Musica aquistion station" offers comprehensive functionality for integrated workflow
- Automatic versions support DR detectors in the wall stand and table with optional additional integrated CR
- Digital Tomosynthesis

Agfa · DR 400 (Floormounted)

Power	Detector type	Pixel size
40 / 50 / 65 / 80 kW	CsI / GOS	<150 µm

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 × 2 m)
- "Musica processing" provides superior contrast detail and consistent, exam-independent image quality
- "Musica aquistion station" offers comprehensive functionality for integrated workflow

DR

Agfa · DX-D 300

Power	Detector type	Pixel size
50 / 65 / 80 kW	CsI / GOS	<150 µm

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

Arcoma · Precision i5 – Powered by Canon DR

Power	Detector type	Pixel size
50 / 65 / 80 kW	CsI	125 µm

Highlights
Premium digital X-ray system for all radiographic applications
- Superior workflow for high volume patient throughput
- Auto positioning
- Motorized wall stand with motorized tilt of the detector
- OTC display with modern user interface and integrated light indication
- High capacity examination table
- Easy manual fine-tuning of the overhead tube
- Fully automatic image stitching

Arcoma · Intuition – Powered by Canon DR

Power	Detector type	Pixel size
50 / 65 / 80 kW	CsI	125 µm

Highlights
Versatile solution for all radiographic applications
- Optimized workflow for high volume patient throughput
- Easy manual fine-tuning of the overhead tube
- Motorized Z-movement for easy positioning
- Easy to fit in low ceiling X-ray rooms
- High capacity examination table
- User interface with easy access to information

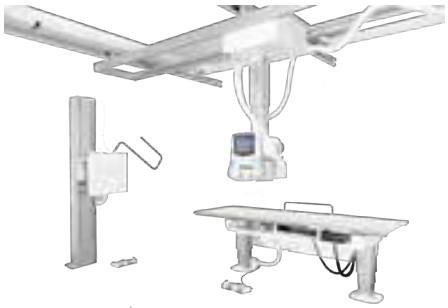
Canon · Adora DRi

Power	Detector type	Pixel size
65 kW	CsI	125 µm

Highlights
Next generation high-end DR solution for all radiographic applications
- Intelligent workflows for high volume patient throughput
- APR auto-positioning with up to 999 positions
- Lateral examinations without repositioning of the patient
- Motorized manual handling using SmartHandle joystick
- Intuitive, icon-based user controls at the tube head
- State-of-the-art ergonomics
- Table: Motorized, carbon fiber, floating top with 340° rotation

Canon · Aceso+

Power	Detector type	Pixel size
50 / 65 / 80 kW	CsI	125 µm



Highlights
Aceso+ represents the optimum combination of 4th generation auto-positioning technology with ergonomic design. The result is an advanced digital radiographic system that creates an efficient workflow and maximizes patient throughput. Featuring advanced applications like auto-stitching, Aceso+ is the optimal solution to all your imaging needs.

Canon · Aceso

Power	Detector type	Pixel size
50 / 65 / 80 kW	CsI	125 µm

Highlights
The Aceso is a unique combination of proven technology that creates an elite, yet cost-effective, DR imaging solution to a wide variety of clinical needs.
The Aceso can be installed in both the tallest and shortest of rooms.
Our unique ceiling wagon provides unsurpassed usable stroke for high ceiling heights while the CUBE solution allows the system to be installed in rooms with ceilings as low as 2,5 m without requiring ceiling support infrastructure.

DR

Canon · Easy DR

Power	Detector type	Pixel size
50 / 65 / 80 kW	CsI	125 µm

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
- Asymmetrical diaphragm, specially designed for Thorax examinations
- Optional low-power consumption X-Ray Generator

Canon · Trauma DR Plus

Power	Detector type	Pixel size
50 / 65 / 80 kW	CsI	125 µm

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 · Radrex

Power	Detector type	Pixel size
50 / 80 kW	CsI	125 µm

Highlights

Canon Medical's cost-effective Radrex digital radiography systems provide clinical efficiency to meet your radiographic imaging demands today and into the future. Fitted with Canon's high-quality flat panel detectors and its imaging and patient management software, Radrex provides outstanding versatility, high patient comfort and superior workflow for your facility

Dinamik Röntgen · Fixed DR System

Power	Detector type	Pixel size
50 / 65 / 80 kW	CsI	140 µm

Highlights

The Dinamik Röntgen X-ray systems meets all hospital's requirements

- Easy to use and friendly interface
- Manual control and movements
- Cheap maintenance and spare parts
- Light weight
- Esthetic and smooth design
- Auto stitching function
- Smart design
- 50 kW - 630 mA - 500 mA 100 kHz - 450 kHz - HF
- 0.6 × 1.2 mm - 300 kHU tube
- 3,000 × 3,000 pixels FPD
- 22" workstation Image processing software Stitching function

Dinamik Röntgen · U-arm DR System

Power	Detector type	Pixel size
50 / 65 / 80 kW	CsI	140 µm

Highlights

The Dinamik Röntgen X-ray systems meets all hospital's requirements

- Easy to use and friendly interface
- Fully motorized movements
- Cheap maintenance and spare parts
- Light weight
- Esthetic and smooth design
- Auto stitching function
- Smart design
- 50 kW - 630 mA – 500 mA 100 kHz - 450 kHz – HF
- 0.6 × 1.2 mm – 300 kHU tube
- 3,000 × 3,000 pixels FPD
- 22" workstation Image processing software Stitching function

DR

DK Medical · Innovision-DXII (Ceiling Type, ELIN-T3 Plus)

Power	Detector type	Pixel size
50 kW	CsI / GoS	140 µm

Highlights
- Manual ceiling systems
- Ceiling-mounted tube support
- Motorized up and down movement (Option)
- Open type 2 column table (Easy to position for wheelchair patient)

DK Medical · Innovision-DXII (Ceiling Type, ELIN-T4)

Power	Detector type	Pixel size
50 kW	CsI / GoS	140 µm

Highlights
- Synchronized with tube support and bucky stand
- Ergonomic design for smooth movements and optimized workflow
- Intuitive direction movement indicator and user-friendly interface
- Convenient stitching for whole-spine and Long-bone.
- Open type 2 column table (Easy to position for wheelchair patient)

DK Medical · Innovision-DXII (Floor Type)

Power	Detector type	Pixel size
50 kW	CsI / GoS	140 µm

Highlights
- High-frequency inverter type generator
- Easy operation with floor-mounted tube support (Stand-alone type is optional)
- Open type 2 column table (easy to position for wheelchair patient)
- User convenience with APR

DK Medical · Innovision-EXII (Ceiling Type, ELIN-T5)

Power	Detector type	Pixel size
50 / 80 kW	CsI / GoS	140 µm

Highlights
- Premium ceiling system for high-end market
- Excellent image quality and superb dose efficiency
- Fully automatic image stitching (convenient stitching for whole-spine and long-bone)
- Fast and efficient workflow
- LCD UI

DK Medical · Innovision-DXII (3-in-1 Type)

Power	Detector type	Pixel size
50 kW	CsI / GoS	140 µm

Highlights
- Efficient space utilization
  Conbined system consisting of tube support , table and generator (space saving)
- Bucky tray following in same direction with tube stand movement
- Collimator turining on automatically
- User convenience with APR
- Standing knee position (Enable users to take images more convenintly without any hopital tool.

DRgem · Essential Ceiling System (GXR-SD Series)

Power	Detector type	Pixel size
32 / 40 / 52 / 68 / 82 kW	GOS / CsI	–

Highlights
- System concept: Highly customizable DR ceiling system
- Fundamental solution at affordable price
- Ergonomic design for smooth movements and optimized workflow
- Intuitive direction movement indicator and user-friendly interface
- Elevating or floating table with high patient load up to 300 kg
- Integrated lock function
- Options include AEC, carbon tabletop, dual speed rotor, built-in charging option for detector & premium upgrade
- Optional AI Software available
- Detector format: 17×17" / 17×14" wired / wireless

DR

DRgem · Floor Mounted System (GXR-SD Series)

Power	Detector type	Pixel size
32 / 40 / 52 / 68 / 82 kW	GOS / CsI	–

Highlights

- System concept: Premium floor mounted system
- Highly customizable digital diagnostic radiography system
- Auto-synchronization and auto-bucky tracking function
- Tube stand touch screen console for system, collimator, X-Ray control and X-Ray preview
- Elevating or floating table
- Options include AEC, carbon tabletop, dual speed rotor, built-in charging option for detector & premium upgrade
- Optional AI Software available
- Detector format: 17×17" / 17×14", wired / wireless

DRgem · Auto Positioning Ceiling System (GXR-SD Series)

Power	Detector type	Pixel size
52 / 68 / 82 kW	GOS / CsI	–

Highlights

- System concept: Premium ceiling system for high-end market
- Higher accuracy through fully integrated system
- High efficiency with optimized workflow
- Patient safety with various sensors
- Multiple image stitching for stand and table
- Advanced elevating table with high patient load up to 300 kg
- Tube stand touch screen console for system, collimator, X-Ray control and X-Ray preview
- Options include AEC, carbon tabletop, built-in charging option for detector
- Optional AI Software available
- Detector format: 17×17" / 17×14", wired / wireless

DRgem · Compact System (GXR-ES Series)

Power	Detector type	Pixel size
20 / 25 / 32 / 40 kW	GOS / CsI	–

Highlights

- System concept: Fit for your space, workflow and budget
- Compact size (minimum floor space: 2.7×1.8 m)
- Designed for optimized workflow and smooth movements (Bucky auto tracking, wall stand counter balance)
- Intuitive movement direction indicator
- Highly customizable (wall stand and tube stand options are available)
- Tabletop with patient load up to 300 kg (optional acrylic tabletop)
- Integrated lock function
- Optional AI Software available
- Detector format: 17×17", wireless / portable

DRgem · Diamond (U-Arm Type)

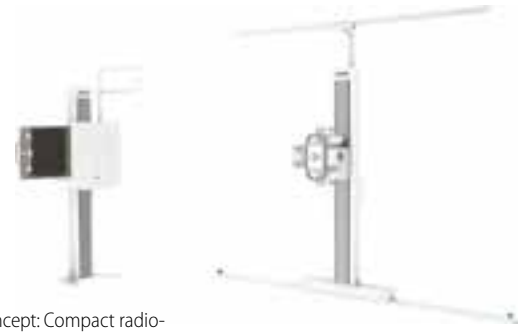
Power	Detector type	Pixel size
52 / 68 / 82 kW	GOS / CsI	–

Highlights

- System concept: All-in-one digital radiography system
- Fully automatic digital radiography system
- High-resolution removable detectors and grids
- Touch screen controller at system
- Mobile patient table, remote control
- Automatic X-Ray collimation and system positioning
- Safety sensors / AEC
- Optional AI Software available
- Detector format: 17×17", wired / wireless

DRgem · DR System for Chest and Chiropractic

Power	Detector type	Pixel size
32 / 40 / 52 kW	GOS / CsI	–



Highlights

- System concept: Compact radiography system for clinic
- Motorized vertical synchronization with wall stand
- Image stitching for whole body
- Vertical synchronization tube with bucky
- UPS or capacitor generator is recommended
- Optional AI Software available
- Detector format: 17×17" / 17×14", wired / wireless

DRgem · VXR

Power	Detector type	Pixel size
32 / 40 kW	GOS / CsI	–

Highlights

- System concept: Analogue / digital veterinary radiography system
- Capacitor-driven generator available
- 1,200 / 1,400 / 1,800×700 mm tabletop (2 or 4way movement)
- High-quality wireless FPD for DR System
- Buckle fastener for animals
- Touch-screen control console for DR System
- Simple, intuitive user interface
- Easy cleaning with moving rack for generator
- Detector format: 17×17" / 17×14", wired / wireless

DR

Examion · X-DRS Ceiling

Power	Detector type	Pixel size
55 / 65 / 80 kW	a-Si / CsI	100 – 150 µm

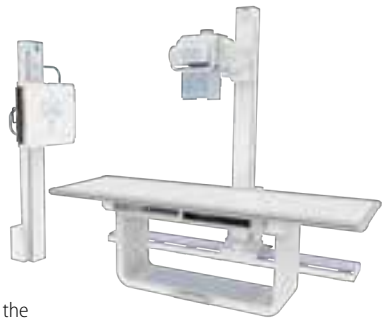
Highlights

The Examion ceiling-suspended X-ray systems meet all hospital's requirements.

- Detector size: 10 × 12" – 17 × 17"
- High quality images
- Well proven system
- Manual or motorized tube support
- Low maintenance effort
- Affordable price
- For one, two or three detectors
- Option: Stitching Autopositioning

Examion · X-DRS Floor

Power	Detector type	Pixel size
55 / 65 / 80 kW	a-Si / CsI	100 – 150 µm



Highlights

The floor mounted systems can be optimally adapted to the needs of the customer:

- Detector size: 10 × 12" – 17 × 17"
- High image quality
- Variant with purely mechanical movements
- Variant with motorized movements and tracking
- Low maintenance effort
- Affordable price

Examion · X-DR Static Z-Arm or U-Arm

Power	Detector type	Pixel size
55 / 65 / 80 kW	a-Si / CsI	100 – 139 µm

Highlights

The U-Arm and Z-Arm systems are compact and space-saving X-ray machines.

- Detector size: 17 × 17"
- Ideal for small rooms and low ceilings
- Easy positioning due to direct coupling of detector and tube
- Low maintenance effort
- Affordable price

Fujifilm · FDR Smart X

Power	Detector type	Pixel size
32 / 40 / 52 / 68 / 82 kW	CsI / GOS	150 µm

Highlights

- Fujifilm's outstanding Console Advance acquisition workstation and generator control console integrated into a single PC, allowing full streamlined operation in a single GUI.
- Synchronization between the movement of the X-ray tube and radiography stand/table makes positioning easier, enhancing radiography workflow and reducing the time the patient is kept in the X-ray room.
- mAs Range: 0.1 – 500 mAs
- Timer Range: 0.001 to 10 sec

GMM Group · Calypso F – Multifunctional DR system

Power	Detector type	Pixel size
50 kW – 80 kW	a-Si	139 µm – 148 µm

Highlights

- Floor fixed system with double detector
- 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
- Detector size: 35 × 43 cm / 43 × 43 cm

GMM Group · Calypso – Multifunctional DR system

Power	Detector type	Pixel size
50 kW – 80 kW	a-Si	139 µm – 148 µm

Highlights

- Ceiling suspended-double detector system
- Enhanced Direct digital radiology in Trauma, ER, routine and specialized examinations
- Fully automatic, preset for two fixed or WiFi detectors
- 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
- Table: Adjustable height

DR

GMM Group · Kalos – DR system

Power	Detector type	Pixel size
65 – 80 kW	a-Si	125 – 148 µm

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
- Detector size: 43 × 43 cm / 35 × 43 cm / 24 × 30 cm

GMM · Kalos – Powered by Canon DR

Power	Detector type	Pixel size
65 / 80 kW	CsI	125 µm

Highlights

Next generation high end DR solution for all radiographic applications

- Optimized for high volume patient throughput
- Widely larger tabletop and 4-ways movable bucky to avoid patient re-positioning
- More than 350 different preset automatic positions
- Smart auto tracking, available also for lateral projections with the table
- Automatic full spine and lower extremities reconstruction
- Patented autofocusing anti-scatter grid
- Remote control for motorized movements
- Integrated with Canon detectors
- Canon NE acquisition software with generator integration

Intermedical · Submarine – DR System

Power	Detector type	Size
65 / 80 kW	fixed / portable, single / double	36 × 43 cm wifi, 43 × 43 cm fixed

Highlights

A highly integrated system ensuring high quality diagnostic results in traumatology, emergency, routine and specialized examinations.

- Easy APP auto-positioning
- Detector tracking in all directions
- Fully automatic image stitching
- Generator power up to 80 kW
- DELUXE processing provides outstanding image quality
- Fast and efficient workflow
- Full DICOM

Konica Minolta · AeroDR X90

Power	Detector type	Pixel size
65 – 80 kW	CsI	100 µm

Highlights

- Premium digital X-ray system
- Auto-positioning, auto-tracking and auto-stitching on table and wall stand for smart and easy daily workflow
- Interactive tube head display
- Excellent workflow in combination with AeroDR detector
- Soft handling of OTC with a light touch
- Best image quality, low dose
- Detector size: 14 × 17" / 17 × 17" / 10 × 12"
- Intuitive and user friendly AeroNAV console

Konica Minolta · AeroDR X60

Power	Detector type	Pixel size
65 – 80 kW	CsI	100 µm

Highlights

- Premium motorized digital X-ray system
- Auto-stitching for long leg and spine images
- Excellent workflow in combination with AeroDR detector
- Best image quality, low dose
- Detector size: 14 × 17" / 17 × 17" / 10 × 12"

DR

Mindray Medical · DigiEye 280 DR System

Power	Detector type	Pixel size
30 kW / 50 kW / 65 kW	CsI	140 µm

Highlights

- High frequency generator >400kHz
- Integrated generator design to save installation space
- Multiple power choices: 30 kW, 50 kW, 65 kW
- Detector: CsI material, high DQE
- Detector size:14 × 17" and 17 × 17"
- Connection: Wired & wireless detectors

NRT · Adora DRi – Powered by Canon DR

Power	Detector type	Pixel size
65 kW	CsI	125 µm

Highlights

Next generation high-end DR solution for all radiographic applications

- Intelligent workflows for high volume patient throughput
- APR auto-positioning with up to 999 positions
- Lateral examinations without repositioning of the patient
- Motorized manual handling using SmartHandle joystick
- Intuitive, icon-based user controls at the tube head
- State-of-the-art ergonomics
- Table: Motorized, carbon fiber, floating top with 340° rotation

OR Technology · Amadeo C-DR

Power	Detector type	Pixel size
50 – 80 kW	CsI	100 / 120 / 139 / 140 / 154 µm

Highlights

Due to the special ease of movement, supported by auto-tracking and APR positioning, the ceiling mount can be moved quickly, efficiently and effortlessly to the desired position (pre-programmable). The Amadeo C X-ray system can be optimally adjusted to various spatial circumstances.
The height-adjustable four-way floating table top with motorised vertical lift is the ideal support for all routine examinations.

OR Technology · Amadeo R-DR motorised

Power	Detector type	Pixel size
50 – 80 kW	CsI	100 / 120 / 139 / 140 / 154 µm

Highlights

The Amadeo R-DR is a universal X-ray system with bucky table and wall stand. The compact design of Amadeo R-DR allows installation in tight spaces. Simple operation and handling ensure fast training of the X-ray staff. The X-ray source and the bucky cabinet of the wall stand are designed so that they can be folded down to the floor. The large floating table top has a high load carrying capacity. As an option, a shorter table can be used in tight spaces.

OR Technology · Amadeo S-DR motorised

Power	Detector type	Pixel size
50 – 80 kW	CsI	100 / 139 / 140 / 154 µm

Highlights

Due to its compact design and the minimum ceiling height of only 2.40 m, the motorised U-arm X-ray system is especially designed for small rooms. The very flexible and partly motorised positioning of the stand allows a wide range of images to be taken. All important settings and operating procedures are made on the integrated 10" touch display. Both, the bucky tray and the tube can be rotated and thus allow very variable X-ray settings. All necessary device positions can be pre-defined on the 60 available program positions.

Roesys · X Twin – Robotic X-ray DR system with auto tracking

Power	Detector type	Pixel size
50 – 80 kW	CsI / 43 × 43 cm	100 µm – 143 µm

Highlights

Easy installation on the floor, unique two column design for lateral examination on the free floating carbon table top, six axis motorized movement, options for stitching, bed exams and dynamic imaging.

DR

Shimadzu · RADspeed Pro DR

Power	Detector type	Pixel size
50 / 65 / 80 kW	CsI	100 / 125 / 175 µm

Highlights

- Tube support with new Power Glide technology
- Flexible choice of different flat panel detectors
- Excellent image quality
- Five axis auto-positioning function
- Speed sitch function
- Superb dose efficiency
- Seamless network integration
- Size: 17" × 17" (43 × 42 cm)
  14" × 17" (35 × 43 cm)
  9" × 11" (23 × 28 cm)

Shimadzu · RADspeed Pro Edge

Power	Detector type	Pixel size
50 / 65 / 80 kW	CsI / GOS	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
- Size: 43 × 43 cm integrated,
  43 × 35 cm portable

Siemens Healthineers · Multitom Rax

Power	Detector type	Pixel size
65 / 80 kW	a-Si / CsI	148 µm

Highlights

- The worlds first twin robotic X-ray scanner
- Set new standards in advanced musculoskeletal and trauma imaging
- Precise insights through unique automation
- Efficient workflows around your patients
- Comprehensive diagnoses with multiple procedures
- Unlock the potential of your X-ray department with Fleet Level Benefits
- Detector size:
  43 × 43 cm (RAX detector)
  35 × 43 cm (MAX wi-D)
  24 × 30 cm (MAX mini)

VILLA

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DR

Siemens Healthineers · Ysio X.pree

Power	Detector type	Pixel size
65 / 80 kW	a-Si / CsI	148 µm

Highlights

- User-assisting system intelligence for X-ray examinations
- Unique automation for fast, simple, and safe positioning
- 3D camera for patient positioning and advanced collimation
- Smart imaging concept for an excellent level of consistency
- Unlock the potential of your X-ray department with Fleet Level Benefits
- Detector size:
  43 × 43 cm (MAX static)
  35 × 43 cm (MAX wi-D)
  24 × 30 cm (MAX mini)

Siemens Healthineers · Ysio Max

Power	Detector type	Pixel size
65 / 80 kW	a-Si / CsI	148 µm

Highlights

- Streamline workflows with full automation for fast, simple, and safe positioning
- Standardize outcomes to obtain consistently high image quality for all patients
- Unlock the potential of your X-ray department with Fleet Level Benefits
- Tailor the modular system to precisely meet your requirements
- Detector size:
  43 × 43 cm (MAX detector)
  35 × 43 cm (MAX wi-D)
  24 × 30 cm (MAX mini)

Siemens Healthineers · Multix Impact C

Power	Detector type	Pixel size
55 / 65 / 80 kW	a-Si / CsI	148 µm / 139 µm

Highlights

- Ceiling-mounted radiography with myExam Companion
- High-end technology at an economical price, to improve access to care
- User-assisting system intelligence for X-ray examinations
- Intuitive imaging software and positioning guide, and optional motorization and tracking functions
- Unlock the potential of your X-ray department with Fleet Level Benefits
- Detector size:
  43 × 43 cm (MAX detector)
  35 × 43 cm (MAX wi-D)
  24 × 30 cm (MAX mini)

Siemens Healthineers · Multix Impact

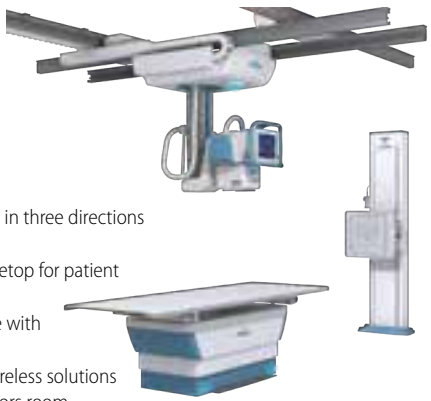
Power	Detector type	Pixel size
55 / 65 / 80 kW	a-SI/CsI	148 µm / 139 µm

Highlights

- Floor-mounted radiography with myExam Companion
- High-end technology at an economical price, to improve access to care
- User-assisting system intelligence for X-ray examinations
- Intuitive imaging software and positioning guide, and full-motorization with SmartMove and detector tracking functions
- Unlock the potential of your X-ray department with Fleet Level Benefits
- Detector size:
  43 x 43 cm (Core static)
  43 × 43 cm (Core XL)
  35 × 43 cm (MAX wi-D)

Stephanix · RAD rooms range

Power	Detector type	Pixel size
Up to 80 kW	Fixed or wireless	125 µm / 148 µm



Highlights

- Autopositioning
- Motorized suspension in three directions
- Tilting wall Bucky
- Elevating floating tabletop for patient weight up to 350 kg
- Intuitive user interface with unlimited preset APR
- Detector: fixed and wireless solutions
- Single or multi-detectors room
- Possibility to share wireless detectors with different Stephanix modalities
- Based on sensitive technology for effortless handling

DR

Stephanix · Xtreme DReam

Power	Detector type	Pixel size
Up to 80 kW	Fixed or wireless	125 µm / 148 µm

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
- Detector: Fixed and wireless solutions
- Up to three Flat Panel Detectors, indirect conversion

Stephanix · RAD Series Pro DReam

Power	Detector type	Pixel size
Up to 80 kW	Fixed or wireless	125 µm / 148 µm

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
- Detector: Fixed and wireless solutions
- Up to three Flat Panel Detectors, indirect conversion

Stephanix · Statif Pro DReam

Power	Detector type	Pixel size
Up to 80 kW	Fixed or wireless	125 µm / 148 µm

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
- Automatic positioning, collimation, filtration, parameters
- Table: Optional carbon or elevating tabletop, on wheels

Stephanix · Statif DReam

Power	Detector type	Pixel size
Up to 80 kW	Fixed or wireless	125 µm / 148 µm

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
- Table: Optional carbon or elevating tabletop, on wheels

Swissray · ddRAura U

Power	Detector type	Pixel size
50 / 65 / 80 kW	a-Si / CsI	148 / 139 µm

Highlights

- Automated Positioning System with unlimited APR programs
- Detector size: 43 × 43 cm
- Image display in 3 seconds
- 10.1" tube mounted touchscreen interface
- Single or dual detector options
- Off detector / Off center imaging
- Wireless handheld remote control or footswitch
- Small footprint
- Single focus stitching option

Swissray · ddRAura S

Power	Detector type	Pixel size
50 / 65 / 80 kW	a-Si / CsI	148 / 139 µm

Highlights

- Multifunctional system for all radiography examinations
- Detector size: 43 × 43 cm
- Motorized height and SID adjustment
- Effortless manual rotation of straight-arm, detector and tube
- Perfect solution for high throughput chest screening programs
- Various generator power incl. battery assist
- Touch screen workstation with unlimited APR programs
- Multi language capability
- Robust design, maintenance friendly
- Fits into very small examination rooms

DR

Swissray · ddRAura OTC/APS

Power	Detector type	Pixel size
50/65/80kW	a-Si/CsI	148/139 µm

Highlights
- Automated ceiling suspension DR-System
- Advanced robotics for automated system positioning
- Detector size: 43×43 cm/35×43 cm
- Tube side 10.1" touch screen for procedure selection, system positioning, generator control and image preview
- Intuitive workflow optimized user interface
- Customizable fixed or wireless detector option
- Detector sharing option within ddRAura products
- Single focus stitching feature
- Multi language capability

Swissray · ddRAura FMTS

Power	Detector type	Pixel size
50/65/80 kW	a-Si/CsI	148/139 µm

Highlights
- Multifunctional bucky table system with fixed or motorized height adjustment
- Detector size: 43×43 cm/35×43 cm
- Effortless movements for precise positioning
- FollowMe feature provides tracking to table and wall stand
- Exceptional low X-ray beam for standing exams
- Single or multi detector capability
- Touch screen workstation with unlimited APR programs
- Multi language capability

Villa Sistemi Medicali · Moviplan iC with Floor-mounted Column

Power	Detector type	Pixel size
50/65/80 kW	a-Si/CsI	100 µm/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
- Detector size: 35×43 cm/43×43 cm

Villa Sistemi Medicali · Moviplan iC with Ceiling Suspension

Power	Detector type	Pixel size
50/65/80 kW	a-Si/CsI	100 µm/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
- Detector size: 35×43 cm/43×43 cm

Villa Sistemi Medicali · Armonicus

Power	Detector type	Pixel size
50/65/80 kW	a-Si/CsI	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
- Detector size: 43×43 cm

Portable DR

Examion · X-DR Portable

Size	Detector type	Pixel size
14 × 17"	a-Si / CsI	100 – 150 µm

Highlights

Portable case solutions for emergency X-ray. All functions for acquisition, diagnosis and archiving on a single mobile PC.

- Wireless digital X-ray
- Excellent image quality
- Patient administration with mini-PACS
- Radiological viewer
- Synchronization with stationary image archives (optonal)
- Detector size: 14 × 17"
- Pixel size: 100 – 150 µm

OR Technology · Leonardo DR mini II

Size	Detector type	Pixel size
14 × 17" / 12 × 10"	CsI	100/120/139/140/154 µm

Highlights

At only 8.9 kg, the Leonardo DR mini II is one of the world's lightest portable X-ray case systems.
The high-quality plastic processing and the well planned space concept form the basis for a practical case for any outdoor use. The suitcase solution is quickly ready to go and easy to use. All components are integrated in the X-ray case. The 17" laptop can easily be removed from its holder in the case and used as a tablet for presentation purposes. The notebook is equipped with the OR software.

OR Technology · Leonardo DR nano

Size	Detector type	Pixel size
14 × 17"	CsI	100 / 139 / 154 µm

Highlights

Just sling the lightweight Leonardo DR nano backpack system over your shoulder and head off to your next X-ray examination!
The Leonardo consists of only two components: a wireless X-ray detector and a laptop. The system is one of the lightest portable X-ray solutions worldwide. The X-ray unit and detector have a wireless connection to the acquisition and diagnosis software on the laptop.

Villa Sistemi Medicali · ArtPix EZ2GO

Size	Detector type	Pixel size
35 × 43 cm	a-Si / CsI	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

DR Detectors

Agfa · DR 17e Detector

Size	Detector type	Pixel size
17 × 17"	CsI / GOS	140 µm

Highlights

Wireless, high resolution full-field AED detector works with virtually any conventional or mobile

- "Musica processing" for excellent contrast detail and exam-independent, consistent image quality
- Convenient size and light weight provide optimal convenience and portability, for all Genrad examinations
- Easier patient positioning enhances workflow
- High DQE and optimal pixel size, for low dose examinations
- Improved workflow and examination speed

Agfa · DR 14e Detector

Size	Detector type	Pixel size
14 × 17"	CsI / GOS	140 µm

Highlights

Wireless, high resolution full-field AED detector works with virtually any conventional or mobile

- "Musica processing" for excellent contrast detail and exam-independent, consistent image quality
- Convenient size and light weight provide optimal convenience and portability, for all Genrad examinations
- Easier patient positioning enhances workflow
- High DQE and optimal pixel size, for low dose examinations
- Improved workflow and examination speed

DR Detectors

Agfa · DR 14s Detector

Size	Detector type	Pixel size
14×17"	CsI	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
- Size: 46×38.4×1.5 cm

Agfa · DR 10s Detector

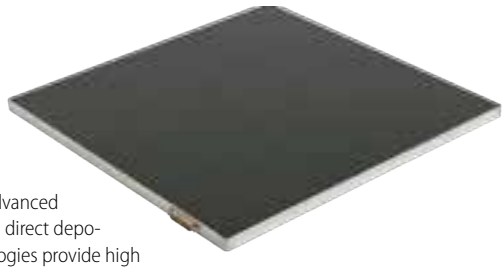
Size	Detector type	Pixel size
10×12"	CsI / GOS	148 µm

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
- Size: 251.0×314.5 mm (10×12 inch) (effective area)

Canon Electron Tubes & Devices · FDX A4343R

Size	Detector type	Pixel size
43×43 cm	CsI / Tl	140 µm



Highlights

- Our proven advanced fine CsI/Tl and direct deposition technologies provide high resolution and high contrast.
- The reflective coating in the CsI / Tl screen provides high sensitivity.
- Standard cassette size
- Prompt display of preview / full images and short cycle time enable fast image acquisition.
- Unique moisture-proof sealing method provides an extremely reliable CsI / Tl screen that is protected from degradation.
- AED available

Canon Electron Tubes & Devices · FDXA 3543 RPW / FDXA 4343 RPW

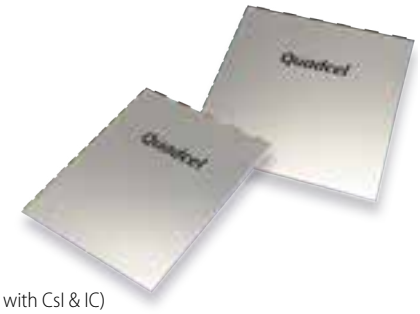
Size	Detector type	Pixel size
35 × 43cm / 43 × 43 cm	CsI / Tl	125 µm

Highlights

- Wireless type Portable FPD
- Incorporates our 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

Canon Electron Tubes & Devices · FM3543S-D6T / FM4343S-D6T

Size	Detector type	Pixel size
35 × 43 cm / 43 × 43 cm	CsI / Tl	140 µm

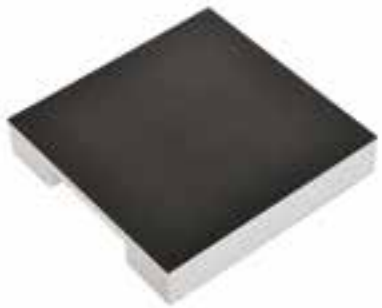


Highlights

- FPD Module (TFT panel with CsI & IC)
- Incorporates Canon'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

Canon Electron Tubes & Devices · FDX2121F

Size	Detector type	Pixel size
21×21 cm	CsI / Tl	205 µm



Highlights

- Dynamic FPD for mobile C-Arm
- Our proven advanced fine CsI / Tl and direct deposition technologies provide high DQE and better resolution
- Unique moisture-proof sealing method provides an extremely reliable CsI / Tl screen that is protected from degradation
- High speed & low-noise ROIC prvide low-noise and real time image

DR Detectors

Canon Electron Tubes & Devices · FDXA3543RP

Size	Detector type	Pixel size
35 × 43 cm	CsI / TI	140 µm

Highlights

- Portable flat panel detector
- Our proven advanced fine CsI / TI and direct deposition technologies provide high MTF and excellent resolution
- Unique moisture-proof sealing method provides an extremely reliable CsI / TI screen that is protected from degradation
- Standard cassette size
- Prompt display of preview / full images and the short cycle time enable fast image acquisition
- Compact and lightweight for easy handling
- DC power input type is selectable

Canon · CXDI Control Software NE

Highlights

CXDI control software NE is made exclusively for use with Canon digital radiography systems. This software helps to optimise workflow and reduce the procedure steps needed to complete exams

- Instant viewing of high quality images
- Optimised workflow with minimum operation steps
- Interactive GUI for intuitive operation
- Single and prepacked protocols
- Emergency study capability
- Suspend exam / reject analysis
- Automatic forwarding rejected images to a designated analysis workstation
- Automatic image stitching included
- Scatter correction software (optional)
- Advanced edge enhancement software (optional)

Canon · One Shot Long-Length (optional) Software

Highlights

One shot long-length exams enhance efficiency compared to conventional stitch exams; shorter examination time, lower risk on patient movement, reduced dose and increased image quality.

- Patient positioning stand with motorised height adjustment for easy positioning
- Fixed installation or mobile for convenient reallocation
- Large, ergonomic grip rails for confident patient positioning
- Optional grid
- Abiliy to use three existing detectors for cost-effective one shot long-length imaging
- Versatile configuration; use either 3 × 43 × 42 cm (410 CW) or 3 × 35 × 43 cm (710 W) wireless detectors

Canon · CXDI-410C / 710C / 810C Wireless

Size	Detector type	Pixel size
27.4 × 35 / 35 × 43 / 43 × 42 cm	CsI	125 µm

Highlights

Wireless flat panel detector range

- Ultralight wireless detectors
- Increased durability by strong carbon fiber construction techniques
- Ergonomic detector design for easy hold, easy handle and easy position
- Dust- and water proof (IP57)
- Docking station for detector check-in, detector battery charging and image transfer
- Equipped with on-board memory where 99 images can be stored (in stand-alone-mode)

Canon · CXDI-RF Wireless B1

Size	Detector type	Pixel size
43 × 42 cm	CsI	160 µm

Highlights

True dynamic and static imaging in one detector

- Low weight 3.5 kg
- Wired and wireless
- Water and dustproof IP57
- Optional scatter correction software for static and dynamic imaging
- Maximum flexibility in a clinical setting
- Ergonomic design for easy hold, handle and position

Canon · CXDI-402C / 702C Wireless

Size	Detector type	Pixel size
35 × 43 / 43 × 42 cm	CsI	125 µm

Highlights

Wireless flat panel detector range

- Durable and ergonomic shaped wireless detectors
- Ergonomic detector design for easy hold, easy handle and easy position
- Dust- and water proof (IP55)
- Optional docking station for detector check-in, detector battery charging and image transfer
- Equipped with last image hold for secured image transfer

DR Detectors

Canon · DR-Upgrade-within-2-minutes

Size	Detector type	Pixel size
43×42/35×43/27.4×35 cm	CsI	125 µm

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
- Easily add DR to any X-ray system using just two lightweight components
- Simply pick up and move to any X-ray system
- Optional integrated USB DAP meter
- CXDI-410C/710C/810C/402C/702C wireless flat panel detector
- DR upgrade within 2 minutes. Freedom within reach

DRgem · AcquiDR

Size	Detector type	Pixel size
43×36 cm/43×43 cm	GOS/CsI	–

Highlights

- System concept: DR retrofit solution
- Radmax acquisition workstation
- Turns any analog X-ray system into a fully digital radiography system
- Easy to apply to any X-Ray generator (AED function included)
- DICOM 3.0 compatible
- Simple installation and operation
- Optional image stitching program
- Optional AI software available
- Vet software available
- Detector format: 17×17"/17×14", wired/wireless

Examion · X-DR

Size	Detector type	Pixel size
14×17"/17×17"	a-Si/CsI	100 – 150 µm

Highlights

Customized retrofit solutions for stationary, mobile and portable X-ray equipment.
The right detector for any application.

- Detector: 14×17"/17×17"
- Excellent image quality
- Perfectly matched hardware and software components
- Reliable workflow

Fujifilm · FDR D-EVO series

Size	Detector type	Pixel size
24×30 cm – 125×43 cm	GOS/CsI	150 µm

Highlights

- Rugged, lightweight, water-resistant digital detectors, available in CsI or GOS and featuring high DQE and low noise at ultra-low doses
- Patented IIS technology, smartswitch AED, built-in image storage, and a Fujifilm exclusive antibacterial nano-coating
- 24×30 cm to the longview 125×43 cm FPD sizes
- New ultra-lightweight, FDR D-EVO III featuring an innovative flexible film-based TFT layer
- Significantly reducing weight and improving durability

Konica Minolta · AeroDR HD

Size	Detector type	Pixel size
14×17"	CsI	100 µm

Highlights

- Portable digital X-ray detector
- 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
- Two second preview
- Waterproof IPX6

Konica Minolta · AeroDR NS

Size	Detector type	Pixel size
14×17"	CsI	150 µm

Highlights

- Ideal for CR replacement
- ImagePilot all-in-one console for registration + acquisition + viewer + measurements + miniPACS functionality
- Automatic Exposure Detection (AED) no cable connections needed
- Internal access point
- AeroStorage for working offline
- Bone suppression options

DR Detectors

Konica Minolta · AeroDR Premium

Size	Detector type	Pixel size
14 × 17" / 35 × 43 cm	CsI	175 µm

Highlights

- Portable digital X-ray detector
- 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

Konica Minolta · AeroDR 2S

Size	Detector type	Pixel size
14 × 17" / 35 × 43 cm	CsI	175 µm

Highlights

- Portable digital X-ray detector
- Konica Minolta's lightest 14 × 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

medigration · DR Retrofit-Kit DX | Vision

Size	Detector type	Pixel size
35 × 43 cm	a-Si / CsI	148 µm

Highlights

Wireless, portable detector with WLAN and battery

- Easy integration into an existing X-ray system
- 100 percent 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
- Detector format: 35 × 43 cm

OR Technology · Medici DR upgrade

Size	Detector type	Pixel size
12 × 10" / 14 × 17" / 17 × 17"	CsI	100/120/139/140/154 µm

Highlights

Upgrading to digital made easy!
X-ray detector retrofit for your existing stationary and mobile X-ray system
Two versions of the system are available:

- DR retrofits with wireless X-ray detector incl. dicomPACS DX-R acquisition and diagnostic software for X-ray images with touch screen
- DR retrofits with tethered X-ray detector incl. dicomPACS DX-R acquisition and diagnostic software for X-ray images with touch screen

Roesys · X Vision go – Lightweight mobile DR Retrofit for ICU and RAD

Size	Detector type	Pixel size
35 × 43 cm	CsI	100 µm – 143 µm

Highlights

Works on its own secure network, no WiFi infrastructure required, battery change during operation, option for gridless bed examination, antibacterial surface coating.

Stephanix · Nomad DReam

Size	Detector type	Pixel size
14 × 17" / 17 × 17"	Various types & brands	125 µm / 148 µm

Highlights

- To get easily the digital benefits in analogue 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

DR Detectors

Stephanix · New WiFi Dynamic FPD

Size	Detector type	Pixel size
17" × 17"	CsI	160 µm

Highlights

- 20 years ago, Stephanix was a "digital" pioneer by installing a Flat Panel Detector in a remote-controlled table.
- Stephanix remains a leader in its category by integrating WiFi portable dynamic FPD in its remote systems.
- Wired and wireless, true dynamic and static imaging inside the bucky and direct projections outside the bucky, so easily with one detector.
- Low weight 3.5 kg
- Water and dustproof IP57
- Stephanix, french manufacturer and integrator, generator of talent

Swissray · ddRAura DRiveKit

Power	Detector type	Pixel size
–	a-Si / CsI	148 / 139 µm

Highlights

Truly digital radiography upgrade

- Detector size: 43 × 43 cm, 35 × 43 cm or 24 × 30 cm

Fix workstation:

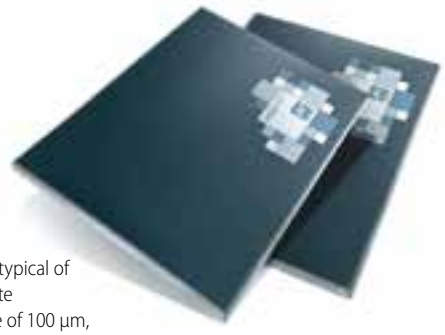
- 23" DICOM touch screen monitor
- Cristal clear digital images, available in less than four seconds
- Fixed or wireless detector combination options
- Fully integrated DR workstation with generator control option

Portable workstation:

- Medical grade windows OS tablet with 10" touch screen display
- ddRAura user interface
- Less than 1 kg weight
- Withstands drops of up to 1.5 m
- Docking station with 23" monitor option

Villa Sistemi Medicali · VDX 3543PW

Size	Detector type	Pixel size
35 × 43 cm	aSi / CsI	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

Size	Detector type	Pixel size
35 × 43 cm	a-Si / CsI	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

Mobile DR

Agfa · DR 100s

Power	Width	Weight
32 / 40 kW	57.6 cm	470 kg

Highlights

- Customer driven design, amazing usability and freedom of movement
- Smart Imaging, with MUSICA intelligence, for smooth, effective imaging
- Drive and park, with the FreeView collapsible column and height adjustable handle.
- Extended range of applications, for greater mobile flexibility
- Motorized: Up to 5 km/h
- Technology: Wireless – Amorphous Silicon Detector (a-Si)
- mAs Range : 70 - 400 mA selectable
- kV Range: 40 to 150 kVp

Mobile DR

Agfa · DR 100e

Power	Width	Weight
32 kW	61.8 cm	252 kg

Highlights
- Comfortable imaging experience for patient and operator
- Short exposure times and fast assessment of images after exposure
- Outstanding image quality and dose reduction potential Seamless connectivity with PACS, HIS / RIS and imagers
- Wireless detector for improved flexibility and infection control
- Your path to direct digital at your own pace
- Equipped with a powerful generator of up to 32 kW
- Operation: Plug / Motorized: No

Canon · Mobirex+

Power	Width	Weight
32 / 40 / 50 kW	54 cm	520 kg

Highlights
- New ultra-compact design
- Power assisted, pressure sensitive steering
- Telescopic column
- 19 inch multi-Touch supported display
- Additional 8 inch tube-head display
- Collimator features an LED bulb, laser alignment markers for SID accuracy, and selectable copper filtration
- Secondary drive controls on the collimator
- Equipped with front bumper proximity sensors
- ID card login capability for CXDI Control Software NE
- LED status indicator light

Dinamik Röntgen · Mobile DR System

Power	Width	Weight
5 / 32 kW	66 cm	280 kg

Highlights
The Dinamik Röntgen X-ray systems meets all hospital's requirements
- Easy to use and friendly interface
- Manual control and movements
- Cheap maintenance and spare parts
- Light weight
- Esthetic and smooth design
- Smart design
- 5 kW - 100 mA - 100 mAs - HF 32 kW - 400 mA - 320 mAs - HF
- 2,500 × 3,000 pixels FPD
- 19" workstation Image processing software

DRgem · Topaz

Power	Width	Weight
32 / 40 kW	–	–

Highlights
- System comcept: Motorized mobile DR system
- Enhanced mobility with touch-sensitive handle
- Optimized image quality with advanced Radmax software
- Safety bumper and brake with LED Indicator
- Wide LCD touch screen
- Storage compartment for detector and other equipment
- Wider coverage of ±325° (Column rotation)
- Remote diagnosis
- Remote control
- Optional AI software available
- Detector type: GOS / CsI
- Detector format: 17 × 17" / 17 × 14", wireless

Examion · X-DRS Mobile Pro 320

Power	Width	Weight
32 kW	57.6 cm	397 kg

Highlights
The X-DR Mobile Pro 320 is a battery powered and motorized X-ray system with detector that meets all the needs of the hospital.
- Comfortable motorized movement
- Swiveling column
- Telescopic arm optional
- DICOM connectivity + WLAN
- kV Range: 40 – 133 kV
- Pixel size: 150 µm / 100 µm

Fujifilm · FDR GO Plus

Power	Width	Weight
32 kW	56 cm	440 kg

Highlights
- Multiple easy-to-reach tube positioning releases and front and rear collimation controls for fast, easy collimation and positioning exactly where you need it.
- Compatible with FDR D-EVO II detectors available in GOS and CsI, in standard 14 × 17" or full field-of-view 17 × 17" sizes, and a 24 × 30 cm perfect for neonatal and extremity use.
- System battery power provides up to four hours of use on a single charge and features emergency reserve mode for additional exposures and travel after low battery warning.
- Monitor size: 19"

Mobile DR

Fujifilm · FDR nano

Power	Width	Weight
2.5 kW	55 cm	90 kg

Highlights
- Ground breaking compact and light weight cart. By utilizing the ultrahigh sensitive D-EVO II and virtual grid technology, resulting in a compact mobile X-ray cart only weighing 90 kg.
- For improved operation and image viewing the FDR nano has an integrated console advance and X-ray controller in one unit.
- By adopting the use of lithium batteries, a single four hour battery charge provides use for approximately twelve hours (around 240 exposures). Also plug-in exposure is possible, providing reduced downtime in case of emergency usage.
- mAs Range: 25 – 35 mAs / kV Range: 40 – 100 kV

Fujifilm · FDR Xair

Power	Size	Weight
4.5 kW	30 × 25 × 14 cm	3.5 kg

Highlights
- FDR Xair's ultralight compact portable design provides a strong advantage when accessibility to normal medical treatment settings is difficult.
- FDR Xair can provide a portable solution and a high-mobility workflow even in unconventional medical scenes.
- Excellent portability allowing greater freedom for imaging in patients home and other remote places
- Quick set up for use provides an efficient workflow
- Highly durable LED light source

GMM Group · MAC – Mobile radiographic unit

Power	Width	Weight
32 kW	–	139 µm – 148 µm

Highlights
- DR mobile unit with HF generator
- 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

Intermedical · Compact DR Plus

Power	Width	Weight
32 kW	57.6 cm	412 kg

Highlights

Motorized mobile unit, battery powered, easy to handle and operate
- Telescopic arm
- Wide choice of available detectors
- Full DICOM connectivity
- 19" touchscreen user friendly interface
- Available in analogue version as well
- 40 kW version available both analogue and digital

Konica Minolta · AeroDR X30

Power	Width	Weight
20 / 32 / 40 / 50 kW	67 cm	530 kg

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 percent wireless communication for effortless usage at patient's bedside
- Retractable, telescopic column
- Detector sharing with X-ray rooms

Konica Minolta · AeroDR X10

Power	Width	Weight
16 – 32 kW	61.8 cm	170 kg

Highlights
- Fully integrated digital mobile X-ray system
- The AeroDR detector can easily be stored and at the same time automatically charged in the bin
- 100 percent wireless communication for effortless usage at patient's bedside
- Detector sharing with X-ray rooms

Mobile DR

Mindray Medical · MobiEye 700 Mobile DR System

Power	Width	Weight
30 kW / 50 kW	47 cm	370 kg

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

OR Technology · Amadeo M mini

Power	Width	Weight
5 kW	56.5 cm	79 kg

Highlights

The Amadeo M mini enables wireless digital X-rays of the entire body trunk, including thorax, spine, abdomen and pelvis. The device remains usable even in the case of a power interruption. Both the laptop and the detector are stored in a protective housing. The compact X-ray unit is simple and easy to move. Folded together, it is easy to transport and even fits into a station wagon. Steps and uneven terrain are no obstacle. The wheels allow easy 360-degree rotation when folded, which makes it much easier to handle it.

Shimadzu · MobileDaRt Evolution MX8

Power	Width	Weight
32 kW	56 cm	440 kg

Highlights

- Motor-driven, compact system
- Collapsible column with new Glide View technology
- Easy and advanced operating and safety functions
- High-sensitive, light-weight, durable and water proof FPD generation
- Imaging area: 17 × 17" (43 × 42 cm)
  17 × 14" (43 × 35 cm)
  14 × 11" (35 × 27 cm)
- Multiple wireless FPD connectivity for maximum efficiency
- X-ray images within two seconds

Shimadzu · MobileDaRt Evolution MX8 – Pediatric Version

Power	Width	Weight
32 kW	56 cm	440 kg

Highlights

- High-sensitive wireless FPD type CXDI-810C (CsI, 14 × 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

Solutions for tomorrow · !M1 – Powered by Canon DR

Power	Width	Weight
20 / 32 / 40 kW	58 cm	324 kg

Highlights

Setting a new standard in mobile X-ray

- Smallest and lightest
- Battery operating time up to 9 hours
- 10 min charging – 1 hour operation time
- 8 years battery warranty
- Easy to clean
- Ready to use within 10 seconds
- Height and reach adjustable drive handle
- Remote diagnostic handle
- Motorized collapsible column support

Siemens Healthineers · Mobilett Elara Max

Power	Footprint	Weight
35 kW	127.8 cm (l) × 59.8 cm (w)	Approx. 380 kg

Highlights

- High-end, fully digital mobile X-ray system
- Compact system design, easy maneuverability, flexible positioning with the MAXreach arm and consistently high-quality images
- Unique antimicrobial coating and easy-to-clean design
- Intuitive and fully digital *syngo* FLC workflow, excellent wireless connectivity, virtual workstation and cybersecurity package
- Unlock the potential of your X-ray department with Fleet Level Benefits
- Detector: 35 × 43 cm (MAX wi-D)
  24 × 30 cm (MAX mini)

Mobile DR

Stephanix · Movix Series DReam

Power	Width	Weight
20 / 32 / 40 / 50 kW	67 cm	580 kg

Highlights
- 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
- kV Range: Up to 150 kVp
- mAs Range: Up to 500 mAs

Stephanix · Mobile range

Power	Width	Weight
20 / 32 / 40 kW	54 cm	520 kg

Highlights
- New ultra-compact and streamlined design
- Motorized up to 5.5 km/h
- Telescopic column and arm, offering wide range of movements for easy positioning
- X-ray tube with rotating anode up to 150 kV, up to 500 mAs independent from mains, only for batteries loading
- Colour LCD touch screen 19"
- Login / identification by badge (option)
- Same interface as Stephanix RAD rooms, intuitive with unlimited APR
- Possibility to share detectors with different Stephanix modalities
- Based on sensitive technology for effortless handling

Stephanix · Movix 4 / 8 DReam

Power	Width	Weight
4 / 8 kW	78 cm	87 kg

Highlights
- Lightweight, less than 90 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
- Up to 125 kV

SternMed · Xenox M100 Plus

Power	Operation	Motorized
32 / 40 kW	Mains	Yes

Highlights
- Dual motor driven
- 32 KW rated power suitable for wide clinical applications
- Telescopic arm for different Xray positions
- User-friendly workstation with 19" touch screen
- Advanced APR function
- Advanced WIFI flat panel technology – Amorphous Silicon
- Fast bedside imaging
- Automatic image processing
- Multiple peripheries including USB and DICOM
- Exposure time Range: 0.001 s – 6.3 s
- kV Range: from 40 to 150 kV
- mAs Range: 0.1 – 500 mAs
- 500 GB HDD capacity
- Intelligent anti-collision design

Swissray · ddRCruze – Vision M

Power	Width	Weight
3.2 kW	66 cm	70 kg

Highlights
- Light-weight, easy to handle mobile cart with an integrated X-ray source arm
- Fast and convenient image acquisition in- and out-door
- Detector safety drawer and laptop stand
- APR and generator setting from laptop
- Advanced post-processing software for superb image quality
- 35 × 43 cm FP detector, 139 µm, WIFI

Swissray · ddRCruze – 7200A

Power	Width	Weight
50 kW	54 cm	420 kg

Highlights
- Easy to maneuver motorized mobile X-ray system, variable speed
- Telescopic column and tube arm
- Convenient and fast image acquisition from the bedside, the OR, ICU or ER room
- 500 kHz high-frequency x-ray generator, 50kW 40 – 150 kV / 0.1 to 640 mAs output power
- Lightweight WIFI portable detector delivers superb IQ and maximum workflow efficiency
- 43 × 43 or 35 × 43 cm detector, 139 µm, WIFI

Mobile DR

Technix · TMB 400/TMB 400 DR

Power	Width	Weight
40 kW	57.6 cm	435 kg

Highlights
- Battery-motorized unit for easy maneuvering and bedside positioning
- Freeview technology thanks to telescopic column
- Battery powered X-ray exposures
- Two different versions: analogue and digital
- X-ray housing
- Compact design
- Telescopic arm
- Swiveling column
- Integrated generator
- Anatomical programs
- 19" touch screen user interface
- Full DICOM connectivity+WLAN
- Multiple detectors can be interfaced

Technix · TMB 320/TMB 320 DR

Power	Width	Weight
32 kW	57.6 cm	412 kg

Highlights
- Battery-motorized system very easy to maneuver
- Front bumper to avoid collision
- Exposures are possible without connecting the unit to an external power supply
- Two different versions: analogue and digital
- Compact design
- Swiveling column
- Fixed or telescopic column versions
- 19" high resolution touch screen monitor
- Full DICOM connectivity
- Wide range of post processing functions
- Multiple detectors can be interfaced

Technix · TMS 320 R/TMS 320 RDR

Power	Width	Weight
32 kW	70 cm	240 kg

Highlights
- Light and maneuverable unit
- Efficient positioning at patient's bed thanks to the rotating arm
- Available in two versions: TMS320 RDR (digital) and TMS320 R (analogue)
- Available also with fixed arm (TMS320/TMS320 DR)
- Upgradable to DR on the field
- Multiple detectors can be interfaced
- High level of detail of X-ray images
- 19" touch user interface
- Full DICOM connectivity+WLAN

Technix · TMS 300 DRH

Power	Width	Weight
30 kW	62 cm	220 kg

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
- Multiple detectors can be interfaced
- Immediate exam review and transmission to the reference hospital

Villa Sistemi Medicali · Visitor T40 M-DR

Power	Width	Weight
40 kW	57.6 cm	435 kg

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
- Detector size: Up to 43 × 43 cm

Villa Sistemi Medicali · Visitor T30 C-DR

Power	Width	Weight
32 kW	61.8 cm	170 kg

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
- Detector size: Up to 43 × 43 cm

Mobile DR

Villa Sistemi Medicali · Visitor T30 M-DR

Power	Width	Weight
32 kW	57.6 cm	412 kg

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
- Detector size: Up to 43 × 43 cm

Villa Sistemi Medicali · Visitor T30 R-DR

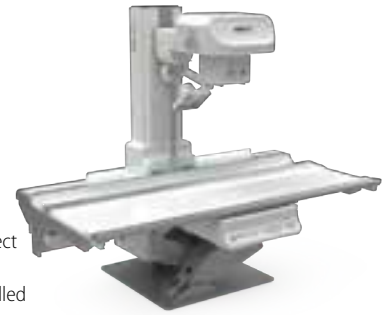
Power	Width	Weight
32 kW	69.5 cm	250 kg

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
- Detector size: Up to 43 × 43 cm

Flatpanel Fluoro

Agfa · DR 800 (Fluoroscopy)*

Power	Detector type	Pixel size
50 / 65 / 80 kW	CsI	<150 µm



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
- Digital tomosynthesis

** Not available in Canada*

Canon · Xantara

Power	Detector type	Pixel size
80 kW	CsI	148 µm

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.
- Detector size: 43 × 43 cm

Canon · Ultimax-i

Power	Detector type	Pixel size
80 kW	CsI	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
- Optional 55 inch monitor
- Detector size: 43 × 43 cm

Flatpanel Fluoro

Canon · Adora DRFi

Power	Detector type	Pixel size
80 kW	CsI	160 µm

Highlights

Next generation high-end hybrid solution for all radiographic applications

- Efficient examination cycles and increased patient comfort
- Combines radiography, low dose fluoroscopy and serial imaging
- APR auto-positioning with up to 999 positions
- Motorized manual handling using SmartHandle joystick
- Intuitive, icon-based user controls at the tube head
- Configurable controls to meet clinical requirements
- Table: Motorized, carbon fiber, floating top with 340° rotation

GMM Group · Opera T90 Sharp – Remote-controlled system

Power	Detector type	Pixel size
50 kW – 80 kW	a-Si	139 µm – 148 µm

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 tabletop from the floor
- Intelligent user interface integrating all the controls in a unique advanced touch screen
- Detector size: 43 × 43 cm

GMM Group · Opera Swing – Multifunctional system

Power	Detector type	Pixel size
50 kW – 80 kW	a-Si	139 µm – 148 µm

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
- Detector size: 43 × 43 cm

GMM Group · Opera Evolution – R/F Remote-controlled tables

Power	Detector type	Pixel size
50 kW – 80 kW	a-Si	139 µm – 148 µm

Highlights

- Wide series of advanced remote-controlled tables with different configurations tailored to the operator's needs
- Cutting-edge ergonomics and utmost user-friendliness
- Advanced U.I., smart digital system with multi-touch screen display
- Enhanced examinations in any diagnostic procedure (skeleton, thorax and lungs, gastroenterology, ER and traumatology, paediatrics);
- DSA, tomosynthesis, stitching

GMM Group · Clisis Evolution – Remote controlled

Power	Detector type	Pixel size
65 – 80 kW	a-Si	139 – 148 µm

Highlights

- 90/90 RF system with 43 × 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
- Detector size: 43 × 43 cm / 35 × 43 cm / 24 × 30 cm

NRT · Celex – Powered by Canon DR

Power	Detector type	Pixel size
80 kW	CsI	160 µm

Highlights

Next generation multi-purpose tilt C-arm solution

- Hybrid offering fluoroscopic, serial and radiographic imaging
- Table load capacity of 300 kg; best in class SID of 150 cm
- Intuitive controls, focus on ergonomics and patient comfort
- Save and restore any position – permanently or on the fly
- Detachable table option for maximum examination flexibility
- Small foot print and maximum work areas for staff
- Table: Left or right side suspended; detachable table option

Flatpanel Fluoro

NRT · Adora DRFi – Powered by Canon DR

Power	Detector type	Pixel size
80 kW	CsI	160 µm

Highlights

Next generation high-end hybrid solution for all radiographic applications

- Efficient examination cycles and increased patient comfort
- Combines radiography, low dose fluoroscopy and serial imaging
- APR auto-positioning with up to 999 positions
- Motorized manual handling using SmartHandle joystick
- Intuitive, icon-based user controls at the tube head
- Configurable controls to meet clinical requirements
- Table: Motorized, carbon fiber, floating top with 340° rotation

Shimadzu · Sonialvision G4 LX Edition

Power	Detector type	Pixel size
65 / 80 kW	CsI	139 µm

Highlights

- Premium R / F system with dynamic flat panel detector
- Second tube option for multi purpose room solution
- SID 180 cm option
- Bariatric functionality
- 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
- Size: 17 × 17" (43 × 43 cm)

Shimadzu · Flexavision F3

Power	Detector type	Pixel size
50 / 80 kW	CsI	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
- Size: 14 × 17" (35 × 43 cm)

Shimadzu · FLUOROspeed X1 Edition*

Power	Detector type	Pixel size
80 kW	CsI	160 µm

Highlights

- Premium patient-side R/F system with dynamic flat panel detector
- Imaging deck with Glide Assist technology
- FPD size: 17 × 17" (43 × 43 cm)
- Second tube for multipurpose room solution
- Superb table operability for easy operation and patient convenience
- Bariatric functionality
- Real-time image enhancement processing technologies
- Comprehensive dose management package

** Product is not available in all countries*

Siemens Healthineers · Luminos Lotus Max

Power	Detector type	Pixel size
65 / 80 kW	a-Si / CsI	148 µm

Highlights

- Flow in system operation thanks to seamless integration of all components
- Flow in clinical versatility with a wide range of examinations and diverse patient types
- Flow in dose management thanks to pre-defined organ programs, proven dose-saving CARE focus and image processing
- Unlock the potential of your X-ray department with Fleet Level Benefits
- High level of cybersecurity
- Detector size:
  43 × 43 cm (MAX detector)
  35 × 43 cm (MAX wi-D)
  24 × 30 cm (MAX mini)

Siemens Healthineers · Luminos dRF Max

Power	Detector type	Pixel size
65 / 80 kW	a-Si / CsI	148 µm

Highlights

- Stronger synergies – with a true 2-in-1 solution for radiography and fluoroscopy
- Sharper imaging – for fast, confident diagnosis with a large 43 × 43 cm Max dynamic detector
- Safer use – to protect patients and technologists with a 48 cm minimum table height, full patient access from all sides and SmartTouch
- Unlock the potential of your X-ray department with Fleet Level Benefits
- Detector size:
  43 × 43 cm (MAX detector)
  35 × 43 cm (MAX wi-D)
  24 × 30 cm (MAX mini)

Flatpanel Fluoro

Siemens Healthineers · Luminos Agile Max

Power	Detector type	Pixel size
65 / 80 kW	a-Si / CsI	148 µm

Highlights

- Stronger synergies – with a true 2-in-1 solution
- Sharper imaging – for fast, confident diagnosis
- Safer use – to protect patients and technologists
- Detector size: 43 × 43 cm (MAX detector) 35 × 43 cm (MAX wi-D) 24 × 30 cm (MAX mini)
- Unlock the potential of your X-ray department with Fleet Level Benefits

Ysio Max options:

– Fully integrated ceiling-suspended tube with bucky tracking
– MAX wi-D and MAX mini detectors
– SmartOrtho: long leg and full spine imaging

Siemens Healthineers · Luminos Fusion

Power	Detector type	Pixel size
65 / 80 kW	a-Si / CsI	148 µm

Highlights

- 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
- Unlock the potential of your X-ray department with Fleet Level Benefits
- Detector size: 43 × 43 cm

Siemens Healthineers · Multitom Rax

Power	Detector type	Pixel size
65 / 80 kW	a-Si / CsI	148 µm

Highlights

- The worlds first twin robotic X-ray scanner
- Set new standards in advanced musculoskeletal and trauma imaging
- Precise insights through unique automation
- Efficient workflows around your patients
- Comprehensive diagnoses with multiple procedures
- Unlock the potential of your X-ray department with Fleet Level Benefits
- Detector size: 43 × 43 cm (RAX detector) 35 × 43 cm (MAX wi-D) 24 × 30 cm (MAX mini)

Stephanix · Remote Controlled Systems range

Power	Detector type	Pixel size
Up to 80 kW	a-Si / CsI	148 µm / 160 µm

Highlights

- +90° and -90° tilting
- Unmatched variable height from 38 to 148 cm
- Unmatched patient coverage
- Patient weight up to 310 kg
- Autopositioning regarding each protocol
- Motorized: Automatic positioning, collimation, filtration, parameters
- Smart access for secure patient transfer
- Intuitive user interface
- Wireless remote
- Secondary console
- DSA
- Stitching
- Tomosynthesis
- Dose optimization with virtual collimation, additional filtration, video camera ...

Stephanix · D²RS

Power	Detector type	Pixel size
Up to 80 kW	a-Si / CsI	148 µm / 160 µm

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
- Motorized: Automatic positioning, collimation, filtration, parameters

Flatpanel Fluoro

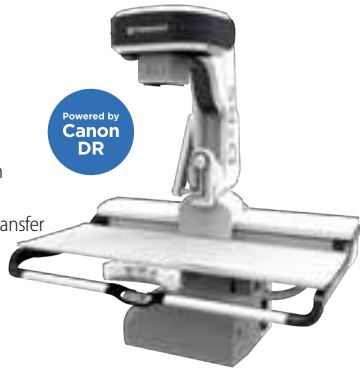
Stephanix · D²RS 90/90 – Powered by Canon DR

Power	Detector type	Pixel size
Up to 80 kW	a-Si / CsI	160 µm

Highlights
- +90° and -90° tilting
- Unmatched variable height from 38 to 148 cm
- Unmatched patient coverage
- Patient weight up to 310 kg
- Autopositioning regarding each protocol
- Motorized: Automatic positioning, collimation, filtration, parameters
- Smart access for secure patient transfer
- Intuitive user interface
- Wireless remote
- Secondary console
- DSA / stitching / tomosynthesis
- Dose optimization with virtual collimation, additional filtration, video camera ...
- True Dynamic and Static Imaging in one detector

Stephanix · D²RS – Powered by Canon DR

Power	Detector type	Pixel size
Up to 80 kW	a-Si / CsI	160 µm



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
- Motorized: Automatic positioning, collimation, filtration, parameters
- True Dynamic and Static Imaging in one detector

Villa Sistemi Medicali · Apollo DRF 4.0

Power	Detector type	Pixel size
65 – 80 kW	a-Si / CsI	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
- Detector size: 43 × 43 cm

Villa Sistemi Medicali · Apollo EZ DRF 4.0

Power	Detector type	Pixel size
65 – 80 kW	a-Si / CsI	148 µm

Highlights
- Compact and cost-effective digital system for all the needs of radiographic and R / F imaging
- New tomosynthesis function
- 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
- Detector size: 43 × 43 cm

Villa Sistemi Medicali · Apollo Open DRF 4.0

Power	Detector type	Pixel size
65 – 80 kW	a-Si / CsI	148 µm

Highlights
- Premium digital remote controlled system with OPEN tabletop, allowing 4-side access to the patient
- New tomosynthesis function
- 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
- Detector size: 43 × 43 cm

DXA

Hologic · Horizon

Detector	System	Scan method
HR ceramic detector	Dual X-ray source	Single-sweep scanning

Highlights

The Horizon DXA platform is designed to help healthcare professionals in managing osteoporosis, obesity and cardiovascular diseases.
- 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

Accessories / Complementary Systems

Agfa · Smart XR

Highlights

X-ray intelligence at work. Agfa's SmartXR Assistant helps you by lightening your workload and providing image acquisition support. From aligning the panel, to positioning the patient, to setting the precise dose and beyond, SmartXR gives you a helping hand that guides you to greater operational and clinical performance. All while keeping you in control, at every moment.

Canon Electron Tubes & Devices · XRR-3332 X

Highlights

- 3 inch ROTANODE X-ray tube assembly for Mobile systems
- 20 percent smaller size / 22 percent 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.
- Adopt large capacity anode target to support multipurpose diagnostic application
- Size: 1.2 / 0.6
- Power: 46 kW / 20 kW
- Capacity: 300 kHU (anode heat capacity) 870 W (anode heat dissipation)

Canon Electron Tubes & Devices · XRR-6652 X

Highlights

- 4 inch ROTANODE X-ray tube assembly for RF systems
- 20 percent smaller housing than previous model
- Can be used as a replacement part for similar models
- Size: 0.8 / 0.3 (focal spot)
- Power: 52 kW / 12 kW (input power)
- Capacity: 600 kHU (anode heat capacity) 1,670 W (anode heat dissipation)
- High throughput (1,000 W continuous input power)
- Enhanced heat transfer performance of heat exchanger
- High resolution image with small focal spot size

Canon Electron Tubes & Devices · XRR-4631G

Highlights

- 4 inch ROTANODE X-ray tube assembly for DR systems
- 20 percent 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
- 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)

Canon · OrthoMod 3D

Highlights

- One platform, one software application
- Optical orthopedic image acquisition & fusion
- 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

DRgem · Mobile DR Imaging System for Chest and Chiropractic

Power	Detector type
32 / 40 / 52 kW	GOS / CsI, 17 × 17" / 17 × 14", wired / wireless

Highlights

- System concept: compact radiography system for mobile RAD room
- Mobile imaging radiography system
- Motorized vertical synchronization with wall stand
- Image stitching for whole body
- Auto numbering function with barcode scanner available
- UPS or capacitor generator is recommended
- Optional AI software available

Accessories / Complementary Systems

DRgem · GXR Series – X-Ray Generator

Standard	Capacitor	UPS
32 / 40 / 52 / 68 / 82 kW	32 / 40 / 52 kW	32 / 40 kW

Highlights

- High-frequency generator, perfect for general radiography
- Excellent reproducibility, accuracy, and linearity
- Smaller, lighter modular design
- 1,280 APR conditions with APR utility software
- Tube overloading and housing overheating protection
- Real-time monitoring and self-diagnosis
- Remote diagnosis and automatic calibration
- Adaptive calibration for long-term usage
- Capacitor type: compatible with standard wall outlet

- UPS Type: 800 W, free-voltage (100 ~ 240 VAC) line power
- UPS Type: Operation time of up to 12 hours and 3,500 x-ray shots during a power failure

Examion · X-Emergency

Highlights

Customized container for digital X-ray.

- U-Arm or Z-Arm design. Z-Arm allows lateral exposures on lying patients
- Low maintenance effort
- Excellent image quality
- Patient administration
- Mini-PACS or connection to central archives
- Radiological viewer
- Power: 50 kW
- System concept: Wireless or wired
- Detector size: 14 x 17" / 17 x 17"
- Pixel size: 100 – 150 µm

I.A.E. · RTC 600

Highlights

- Rotating anode graphite X-ray 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

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

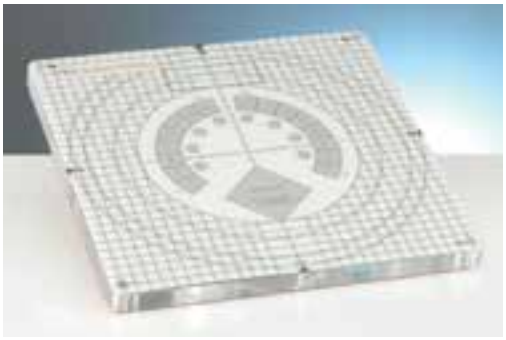
- Rotating anode X-ray tube unit for mobile x-ray equipment with film and digital detectors
- Lead lined aluminium body
- H.T. cable sockets: type MINI75 4 pin
- Storage and shipment temperature range –10°C / +80° C
- Optional mounting plate for tilting brackets

PTW · Diamentor RS-KDK, RS and C-RS DAP Systems

Highlights

- Integrated DAP chamber and electronics housing (Diamentor RS-KDK, RS)
- Automatic air density correction
- Wireless data transfer with optional Diamentor BT interface
- Simultaneous measurements of DAP and dose units as well as of the exposure time (Diamentor RS-KDK)
- Optional RS-D display unit
- Available with RS232 or RS485 interface

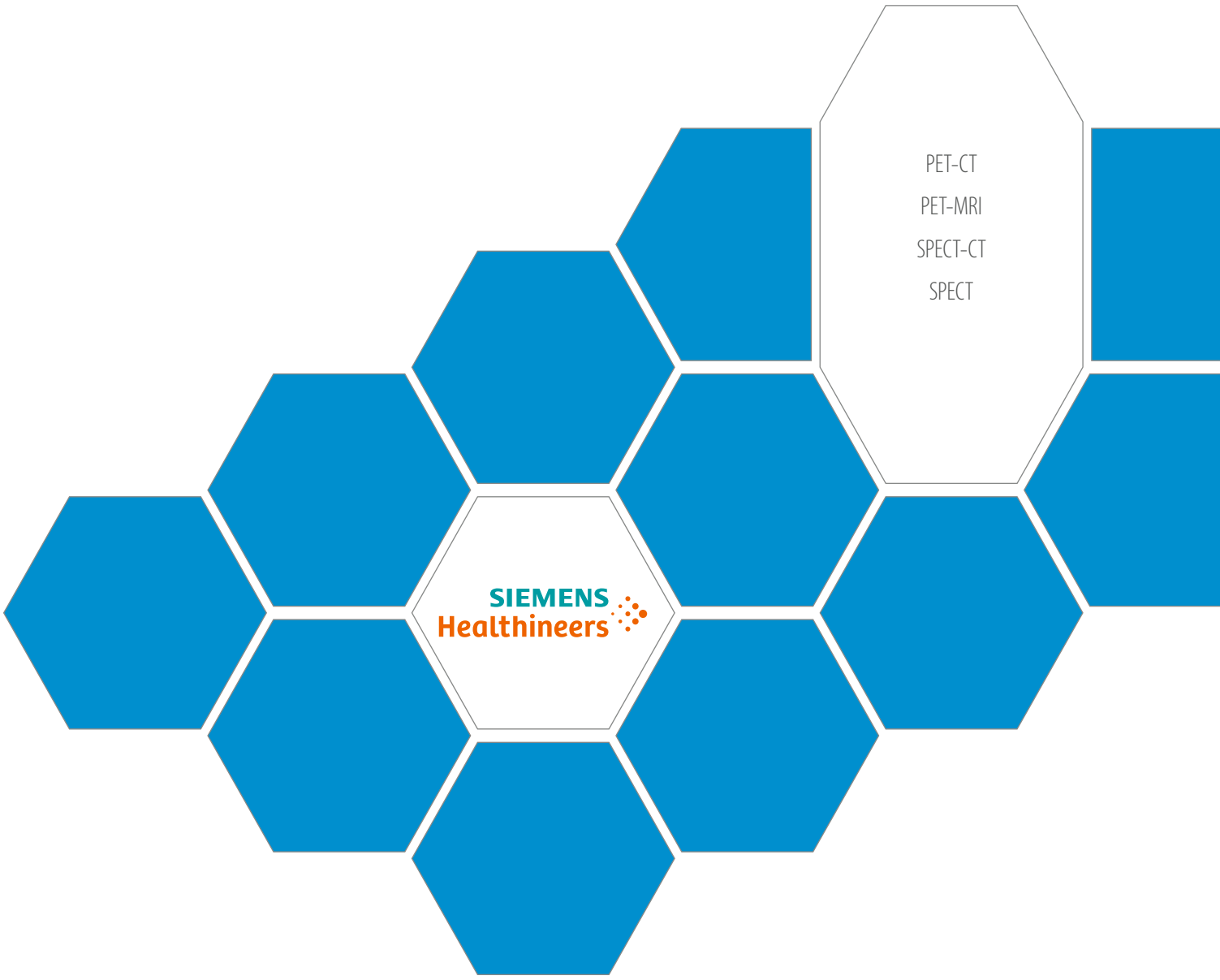
PTW · Normi RAD / FLU – X-Ray Test Object



Highlights

- Checks all relevant parameters of fluoroscopic and radiographic X-ray units
- Suitable for routine quality checks on over/under couch tubes and C arms
- Includes an attenuation plate for patient simulation
- Complies with DIN 6868-4 and 6868-150
- Available with the outer format of 300 × 300 mm or 200 × 200 mm

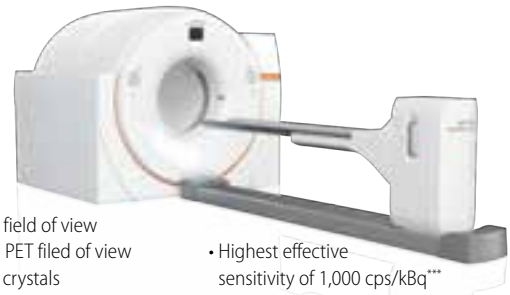
Molecular Imaging



PET-CT

Siemens Healthineers · Biograph Vision Quadra*

System sensitivity	Energy resolution (NEMA)	Field of view
–	–	106 cm (axial)



Highlights

- 4 × axial PET field of view
- 106 cm axial PET filed of view
- 3.2 mm LSO crystals
- 100 percent sensor coverage
- Fast time of flight at 228 ps**
- Highest effective sensitivity of 1,000 cps/kBq***
- Designed to fit in the room size of traditional PET/CT scanners

* *Biograph Vision Quadra is not commercially available in all countries. Its future availability cannot be guaranteed. Please contact your local Siemens Healthineers organization for further details.*

** *Measured value based on phantom studies performed on a single system. Acceptance value of ≤249 ps time of flight performance. Data on file.*

*** *Compared to current state-of-the-art technologies. Measured value based on phantom studies performed on a single system. Acceptance value of ≥ 803 cps / kBq. Data on file.*

Siemens Healthineers · Biograph Vision*

System sensitivity	Energy resolution (NEMA)	Field of view
–	–	Up to 263 mm (axial)

Highlights

- Gantry opening: 78 cm
- Volumetric Resolution: 51 mm^3
- 3.2 mm LSO crystals
- Fast time of flight at 214 ps**
- High effective sensitivity at 100 cps/kBq**
- 100 percent sensor coverage

* *Biograph Vision is not commercially available in all countries. Its future availability cannot be guaranteed. Please contact your local Siemens Healthineers organization for further details.*

** *Based on internal measurements (resolution and time of flight) for Biograph Vision 600. Data on file.*

Siemens Healthineers · Biograph mCT

System sensitivity	Energy resolution (NEMA)	Field of view
–	–	Up to 221 mm

Highlights

- Exclusive bed design with zero differential deflection between PET and CT
- 4 mm LSO crystals for excellent image quality and greater NEMA spatial resolution that BGO crystals
- Large 78 cm bore and table capacity of 227 kg (500 lb)
- FlowMotion continuous bed motion

PET-MRI

Siemens Healthineers · Biograph Horizon

System sensitivity	Energy resolution (NEMA)	Field of view
–	–	Up to 221 mm

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, the patients.
- Reduce your capital investment and keep overhead expenses under control with minimal upfront infrastructure requirements and low operating costs.

Siemens Healthineers · Biograph mMR

System sensitivity	Energy resolution (NEMA)	Field of view
–	–	258 mm

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

SPECT-CT

Siemens Healthineers · Symbia Intevo

System sensitivity	Energy resolution (NEMA)	Field of view
202 cpm / µCi	–	533 × 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 percent lower CT dose* with CARE Dose4D and up to 80 percent lower injected dose* with IQ•SPECT to reduce patient radiation risk
- Productivity tools and IQ•SPECT save time and can double patient throughput

** Based on competitive literature available at time of publication. Data on file.*

Siemens Healthineers · Symbia Intevo Excel

System sensitivity	Energy resolution (NEMA)	Field of view
202 cpm / µCi	–	533 × 387 mm

Highlights

- SPECT with integrated CT for attenuation correction and anatomical localization
- Flash 3D enables up to 45 percent 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 percent lower injected dose* or shorter imaging time, increasing patient comfort and satisfaction

** Based on competitive literature available at time of publication. Data on file.*

Siemens Healthineers · Symbia Intevo Bold

System sensitivity	Energy resolution (NEMA)	Field of view
–	–	–

Highlights

- iMAR – Interative Metal Artifact Reduction – to see more details by reducing metal artifacts. iMAR lets you overcome the effects of metal artifacts in challenging exams
- SAFIRE – Sinogram Affirmed Iterative Reconstruction – reduces radiation dose while maintaining image quality
- IVR – Interleaved Volume Reconstruction – reconstructs up to 32 slices to evaluate small structures
- Dual Energy Scan improves image quality with two sequential spiral scans at different energies

SPECT

Siemens Healthineers · Symbia Evo

System sensitivity	Energy resolution (NEMA)	Field of view
202 cpm/µCi	–	533 × 387 mm

Highlights

- Save up to 50 percent* 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

** Based on competitive literature available at time of publication. Data on file. ** Patients up to 227 kg.*

Siemens Healthineers · Symbia Evo Excel

System sensitivity	Energy resolution (NEMA)	Field of view
202 cpm / µCi	–	533 × 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

** Based on competitive literature available at time of publication. Data on file. ** Patients up to 227 kg.*

Displays / Printers

Displays – Mammo

Displays – Color

Displays – Grayscale

DVD Import

DVD Burner

Printers

Displays – Mammo

JVC · CL-S1200

Panel size	Resolution	Max. Luminance
30.9"	4,200 × 2,800	1,200 cd / m²

Highlights
- Panel technology: IPS
- 2,000 : 1 contrast ratio
- Auto Text Mode
- Dynamic Gamma
- Front and ambient light sensor
- Remote management and calibration
- Integrated power supply
- DVI and DisplayPort interface

JVC · MS-S500

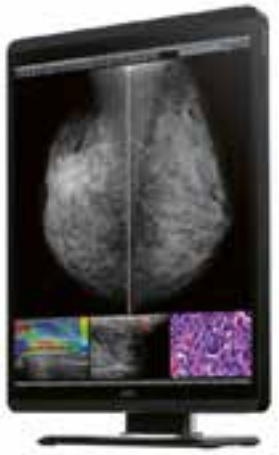
Panel size	Resolution	Max. Luminance
21.3"	2,048 × 2,560 / 2,048 × 7,680	3,000 cd / m²

Highlights
- LED Backlight
- 2,000 : 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

Displays – Color

JVC · CL-S500

Panel size	Resolution	Max. Luminance
21.3"	2,048 × 2,560	1,150 cd / m²



Highlights
- Panel technology: IPS
- 2,000 : 1 contrast ratio
- Auto Text Mode
- Dynamic Gamma
- Front and ambient light sensor
- Remote management and calibration
- Integrated power supply
- DVI and DisplayPort interface

JVC · CCL650i2

Panel size	Resolution	Max. Luminance
30"	3,280 × 2,048	1,050 cd / m²

Highlights
- Panel technology: IPS
- 1,000 : 1 contrast ratio
- Brightness stabilization system
- Remote management
- Integrated power supply
- Dual DVI / DisplayPort Input
- Auto Text mode and Dynamic Gamma

JVC · CL-S200

Panel size	Resolution	Max. Luminance
21.3"	1,600 × 1,200	1,000 cd / m²

Highlights
- Panel technology: IPS
- 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

JVC · CL-R211

Panel size	Resolution	Max. Luminance
21.3"	1,600 × 1,200	500 cd / m²

Highlights
- Panel technology: IPS
- 1,800 : 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

JVC · CL-S300

Panel size	Resolution	Max. Luminance
21.3"	2,048 × 1,536	1,000 cd / m²

Highlights
- Panel technology: IPS
- 1,500 : 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

JVC · CCL196

Panel size	Resolution	Max. Luminance
19"	1,280 × 1,024	800 cd / m²

Highlights
- Panel technology: IPS
- 1000 : 1 contrast ratio
- Video and DVI interface
- Brightness stabilization system
- Remote management
- Integrated power supply

Displays – Grayscale

Image Information Systems · Med-Tab V.2

Panel size	Resolution	Max. Luminance
13.3"	2 MP	300 cd/m²

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 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

JVC · MS-S300

Panel size	Resolution	Max. Luminance
21.3"	1,536 × 2,048 / 1,536 × 6,144	3,000 cd / m²

Highlights
- Panel technology: IPS
- 2,000 : 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

JVC · MS-S200

Panel size	Resolution	Max. Luminance
21.3“	1,600 × 1,200 / 4,800 × 1,200	1,900 cd / m²

Highlights
- Panel Technology: IPS
- 1,800 : 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

JVC · ME195

Panel size	Resolution	Max. Luminance
19.1"	1,280 × 1,024	1,400 cd / m²

Highlights
- Panel technology: IPS
- 1,000 : 1 contrast ratio
- Brightness stabilization
- DVI and Video input to connect modality systems

DVD Import

Nexus / 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

DVD Burner

medigration · CD-Imager

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
- 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 × 50 pcs

Nexus / 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 and JPEG
- Certified by OFFIS and DRG
- Works with any PACS
- External output tray

Printers

Agfa · Drystar Axys

Technology	Capacity	Resolution
Direct digital imaging	75 films / h (14 × 17)	508 dpi

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 5503

Technology	Capacity	Resolution
Direct digital imaging	100 films / h (14 × 17)	508 dpi

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

Printers

Agfa · Drystar 5301

Technology	Capacity	Resolution
Direct digital imaging	70 films / h (14 × 17)	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

Agfa · Drystar 5302

Technology	Capacity	Resolution
Direct digital imaging	75 films / h (14 × 17)	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

Konica Minolta · DryPro 873

Technology	Capacity	Resolution
Laser	180 films / h	530 dpi

Highlights
- Fully DICOM compatible
- Ready for up to three film trays
- Optional sorter available
- Fast multi-modality printer for optimal performance
- High density printing for mammography – Dmax 4.0

Konica Minolta · DryPro Sigma II

Technology	Capacity	Resolution
Laser	110 films / h	508 dpi

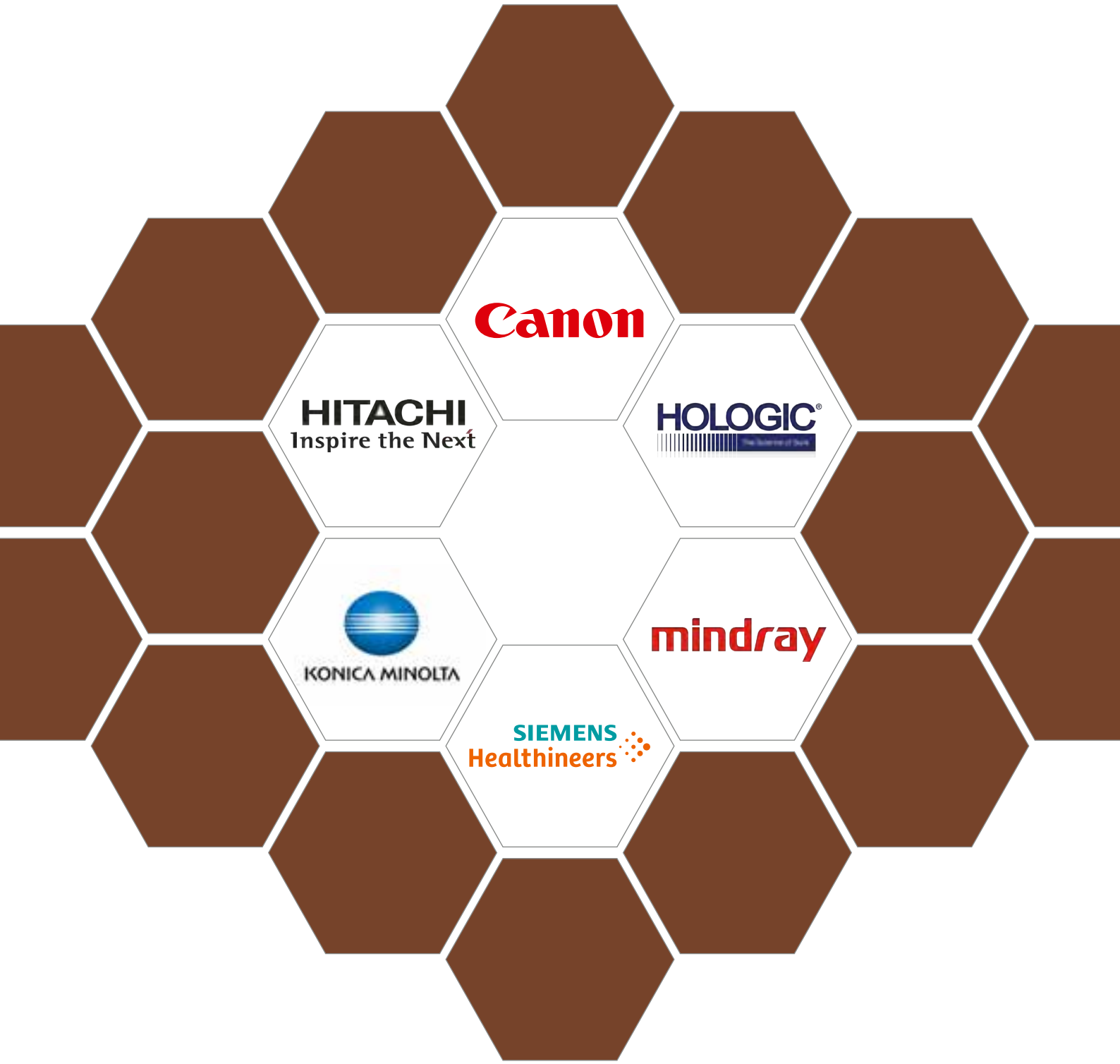
Highlights
- Compact laser imager
- Fastest time for first film print out (50 s)
- Ready for up to two film trays
- Support of five different film sizes

Konica Minolta · DryPro 832

Technology	Capacity	Resolution
Laser	90 films / h	320 dpi

Highlights
- Compact laser imager
- Fastest time for first film print out (50 s)
- Ready for up to two film trays
- Support of five different film sizes

Ultrasound


Canon
HITACHI
Inspire the Next
HOLOGIC
KONICA MINOLTA
mindray
SIEMENS
Healthineers

Ultrasound

Canon · Aplio i800

Frequency range	Display mode	Display size
1 –33 MHz	2D / 3D / 4D	23"

Highlights
- Intelligent Dynamic Micro Slice, iBeam, Precision Imaging, ApliPure+, Differential THI, TSO, ADF, Intelligent Superb Micro Vascular Imaging, Ultra High Frequency
- CEUS; Advanced CEUS incl. VRI, MicroFlow imaging, Quad View
- 4D (surface, MPR, MultiView, Luminance, Shadow Glass)
- FlyThru virtual endoscopy, Smart Fusion, Strain and Quad View Shear-wave elastography Dispersion Imaging, Attenuation Imaging, MicroPure, Auto IMT, RADS, prostate fusion, breast scan guide

Canon · Aplio i700

Frequency range	Display mode	Display size
1 – 24 MHz	2D / 3D / 4D	23"

Highlights
- Intelligent Dynamic Micro Slice, iBeam, Precision Imaging, ApliPure+, Differential THI, TSO, ADF, Intelligent Superb Micro Vascular Imaging
- CEUS; Advanced CEUS incl. VRI, MicroFlow imaging, Quad View
- 4D (surface, MPR, MultiView, Luminance, Shadow Glass)
- FlyThru virtual endoscopy, Smart Fusion, Strain and Quad View Shear-wave elasto-graphy, Dispersion Imaging, Attenuation Imaging, MicroPure, Auto IMT, RADS, prostate fusion, breast scan guide

Canon · Aplio i600

Frequency range	Display mode	Display size
1 –22 MHz	2D / 3D / 4D	23"

Highlights
- iBeam, Precision Imaging, ApliPure+, Differential THI, TSO, ADF, Intelligent Superb Micro Vascular Imaging
- CEUS; Advanced CEUS incl. VRI, MicroFlow imaging, Quad View
- 4D (surface, MPR, MultiView, Luminance, Shadow Glass)
- FlyThru virtual endoscopy, Smart Fusion, Strain and Shear-wave elastography, Attenuation Imaging, MicroPure, Auto IMT

Canon · Aplio a

Frequency range	Display mode	Display size
1,8 – 18 MHz	2D / 3D / 4D	23"

Highlights
- aBeam, Precision Imaging, ApliPure+, Differential THI, TSO, ADF, Intelligent Superb Micro Vascular Imaging, Doppler Luminance, Matrix technology
- CEUS; Advanced CEUS incl. VRI, MicroFlow imaging
- 4D (surface, MPR, MultiView, Luminance)
- Smart Fusion, Strain and Shear-wave elastography, Attenuation Imaging, MicroPure, Auto IMT, RADS, prostate fusion, WMT, breast scan guide

Canon · Aplio a550

Frequency range	Display mode	Display size
1,5 – 18 MHz	2D / 3D / 4D	23"

Highlights
- aBeam, Precision Imaging, ApliPure+, Differential THI, TSO, ADF, Intelligent Superb Micro Vascular Imaging, Doppler Luminance, matrix technology
- CEUS; Advanced CEUS incl. VRI, Micro-Flow imaging and CEUS quantification
- 4D (surface, MPR, MultiView, Luminance, Shadow Glass)
- FlyThru virtual endoscopy, Smart Fusion, Strain and Shearwave elastography, MicroPure, Auto IMT, AUTO NT, Wall Motion Tracking

Canon · Aplio a450

Frequency range	Display mode	Display size
1.8 –18 MHz	2D / 3D / 4D	21.5"

Highlights
- aBeam, Precision Imaging, ApliPure+, Differential THI, TSO, ADF, Superb Micro Vascular Imaging, Doppler Luminance
- CEUS; Advanced CEUS incl. VRI, Micro-Flow imaging
- 4D (surface, MPR, MultiView, Luminance)
- Smart Fusion, Strain and Shearwave elastography, MicroPure, Auto IMT, AUTO NT, Wall Motion Tracking

Ultrasound

Canon · Xario 200G

Frequency range	Display mode	Display size
1.8 – 18 MHz	2D / 3D / 4D	21.5"

Highlights

- Up to eight hours battery autonomy, two seconds startup from standby, 21.5 inch wide screen display
- High Density Beamformer, Precision Imaging, ApliPure+, Differential THI, Tissue Enhancement, Advanced Dynamic Flow, Superb Microvascular Imaging (SMI)
- 4D-imaging; SR, MPR, MultiView, Freehand 3D, Luminance
- Shearwave elastography with propagation map, strain elasto, Auto IMT, Stress Echo, 2D Wall Motion Tracking, CEUS contrast imaging, Point of Care Ultrasound applications
- iStyle+ productivity suite with fully customizable panel, agile housing, height adjustable console, panel swivel, Quick Start, Quick Scan & Quick Assist, Extensive line-up of transducers

Canon · Xario 100G

Frequency range	Display mode	Display size
1.8 – 18 MHz	2D / 3D / 4D	21.5"

Highlights

- Up to 4 hours battery autonomy, two seconds startup from standby, 21.5 inch wide screen display
- High Density Beamformer, Precision Imaging, ApliPure+, Differential THI, Tissue Enhancement, Advanced Dynamic Flow
- 4D-imaging; surface rendering, MPR, MultiView, Freehand 3D, Luminance
- Realtime elastography, Auto IMT, Stress Echo, Point of Care Ultrasound applications
- iStyle+ productivity suite with fully customizable panel, agile housing, height selectable console, Quick Start, Quick Scan & Quick Assist, Extensive line-up of transducers

Canon · Viamo sv7

Frequency range	Display mode	Display size
1.5 – 12 MHz	2D	12"

Highlights

- Portable ultrasound system
- Multi touch screen, Tablet mode possible
- Single transducer input, expandable to three transducers
- Battery and AC operation, very fast boot time (< 10 s from standby to scanning), three hours battery support
- High color sensitivity, exceptional image quality
- Highly programmable Touch Screen, few buttons, easy to operate, protocol assist. D-THI. Precision Plus, Aplipure+, Cardiac measurement kit and OB measurement package kit are pre-installed
- Point of Care Ultrasound applications, General Imaging, Sports Medicine, MSK, Home healthcare

Canon · Viamo c100

Frequency range	Display mode	Display size
1.5 – 18 MHz	2D / 3D / 4D	15"

Highlights

- Up to two hours battery autonomy, 15 inch screen display, Windows 10
- High Density Beam former, Compounding, Speckle reduction, THI, Tissue Enhancement
- 3D-imaging: surface rendering, Virtual HD, depth cueing
- General Imaging, Point of Care Ultrasound applications
- Auto IMT, needle enhancement, Quick Scan, Quadplex
- Magnesium alloy housing, height adjustable on cart, Quick Start (eight seconds from standby)

Hitachi · Arietta 850SE

Frequency range	Display mode	Display size
1 – 22 MHz	3D / 4D	23"

Highlights

- Multi-disciplinary Premium platform, ergonomic design
- Pure Image Symphonic Architecture
- 23" LCD monitor for highest contrast
- Wide range of transducers for GI, interventional guidance, urology and TEE applications, CMUT
- Advanced modalities: SWM, ATT, Real-time Elastography, Combi-Elasto, CEUS, RVS Fusion, Needle and Body Motion tracking, 3D/4D
- Advanced analysis: TIC, eTracking, WI, 2DTT, Protocol assistant, Auto Measurements

Ultrasound

Hitachi · Arietta 850

Frequency range	Display mode	Display size
1 – 22 MHz	3D / 4 D	22"

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, CMUT
- Advanced modalities: SWM, ATT, Real-time Elastography, Combi-Elasto, CEUS, RVS Fusion, 3D SIM navigator, E-field Simulator, Needle and Body Motion tracking, 3D/4D
- Advanced analysis: TIC, eTracking, WI, 2DTT, Protocol assistant, Auto Measurements

Hitachi · Arietta 750

Frequency range	Display mode	Display size
1 – 18 MHz	3D / 4D	23"

Highlights
- Multi-disciplinary Premium platform, ergonomic design
- Pure Image Symphonic Architecture
- 23"monitor for highest contrast
- Wide range of transducers for GI, interventional guidance, urology and TEE applications
- Advanced modalities: SWM, ATT, Real-time Elastography, CEUS, Combi-Elasto, RVS Fusion, Needle and Body Motion tracking, 3D/4D
- Advanced analysis: TIC, eTracking, WI, 2DTT, Protocol assistant, Auto Measurements

Hitachi · Arietta 65

Frequency range	Display mode	Display size
1 – 18 MHz	3D / 4D	21.5"

Highlights
- Compact multi-disciplinary platform with comfortable workflow, high definition imaging and useful application from premium platform
- Automated process features: Protocol Assistant, Auto-Optimizer, Auto Measurement
- Battery
- Unique image processing technology underpin outstanding image quality
- 21.5" LCD Widescreen Monitor, fully articulating monitor arm
- Wide range of transducers for GI, urology and TEE applications
- Advanced modalities & analysis: SWM, ATT, 3D/4D Dual gate Doppler, Strain Elastography, CEUS, 2DTT

Hitachi · Arietta 50

Frequency range	Display mode	Display size
1 – 15 MHz	2D	21"

Highlights
- Lightweight compact multi-disciplinary platform with intuitive workflow, clear imaging, and easy-to-use applications
- Automated process features: Auto Optimizer, Doppler auto trace, Automated Measurement (IMT, NT)
- Simplified and user-friendly interface
- Battery
- Unique image processing technology underpin outstanding image quality
- Widescreen 21" LCD monitor
- Transducers for GI
- Advanced modalities: CEUS

Hologic · SuperSonic Mach 30

Frequency range	Display mode	Display size
1 – 20 MHz	3D	23"

Highlights
SuperSonic Mach 30 ultrasound system with UltraFast Imaging is designed to help increase efficiency and diagnostic accuracy in your practice. The SuperSonic Mach 30 system features innovative imaging modes, such as ShearWave Plus elastography for tissue stiffness evaluation in real time and 3D Imaging, for unique visualizations of breast anatomy and detailed characterization of lesions. It is equipped with intuitive SonicPad touchpad, designed to reduce examination time and operator fatigue.

Ultrasound

Konica Minolta · Sonimage HS2

Frequency range	Display mode	Display size
Up to 18 MHz	2D (BW / color) and TAM	15"

Highlights

- Premium portable ultrasound
- Real 18 MHz imaging
- 3 THI – Triad Tissue Harmonic Imaging
- iXRet-technology
- Sonimage UI concept
- SNV Technology – Simple Needle Visualization
- Startup from standby in 15 sec
- Excellent solution for radiology and MSK specialists, rheumatologists, anesthesiologists and intensivists, vascular specialists

Konica Minolta · Sonimage MX1

Frequency range	Display mode	Display size
Up to 14 MHz	2D (BW / color) and TAM	12.1"

Highlights

- Real point-of-care ultrasound
- Dual sonic technology
- iXRet-technology
- Sonimage UI concept
- One-touch image optimization for quick operation
- SNV technology – Simple Needle Visualization
- Up to 2H operation
- Weight: 4.5 kg (incl. battery)
- Tailored solution for MSK specialists, rheumatologists, anesthesiologists and intensivists, vascular specialists

Mindray Medical · Resona I9

Frequency range	Display mode	Display size
1 – 20 MHz	3D / 4D	23.8"

Highlights

- ZST+ platform
- Full-space floating control panel
- iConsole intelligent control panel
- High frame rate STE
- Smart Thyroid
- Smart Breast

Ultrasound

Mindray Medical · Resona R9

Frequency range	Display mode	Display size
1 – 23 MHz	3D / 4D	21.5"

Highlights
- Advanced ZST+ platform
- A new standard of image clarity for different clinical scenarios
- More advanced tools for confident diagnosis and clinical research: HiFR CEUS, High frame rate STE, uHIT, iFusion, V Flow
- Intelligent tools with more efficiency and accuracy: Smart Breast and Smart HRI

Mindray Medical · Resona 7

Frequency range	Display mode	Display size
1 – 20 MHz	3D / 4D	21.5"

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 set of tools – V Flow, Fusion Imaging, RIMT and CEUS – for Radiology and clinical research

Mindray Medical · DC-80 with X-Insight

Frequency range	Display mode	Display size
1 – 20 MHz	3D / 4D	21.5" / 23.8"

Highlights
- Single Crystal with 3T technology transducer, ComboWave transducer, interventional transducer
- Best in class shear wave(STE & STQ), NTE (shell), UWN+ CEUS, ART Flow, TT QA, LVO
- Dual-wing floating arm, powerful and intuitive gestures, MedTouch

Mindray Medical · DC-80A with X-Insight

Frequency range	Display mode	Display size
1 – 20 MHz	3D / 4D	23.8"

Highlights
- Superb 3D / 4D with single crystal volume and Hyaline
- Outstanding ABD image in both penetration and resolution
- Most intelligent Smart Planes CNS and Smart Face
- Large touch screen (13.3") & Full HD monitor (23.8"), five active sockets
- Best in class shear wave (STE & STQ)
- Built-in battery for continuous scanning

Mindray Medical · DC-70 Exp with X-Insight

Frequency range	Display mode	Display size
1 – 20 MHz	3D / 4D	13.3" / 21.5" / 23.8"

Highlights
- Top in class 3D/4D with single crystal volume and Hyaline
- Best in class ABD image in both penetration and resolution
- Most intelligent Smart Planes CNS and Smart Face
- Largest Full HD monitor (21.5" / 23.8") and ultra-slim touch screen (13.3")

Ultrasound

Mindray Medical · DC-40 with Full HD

Frequency range	Display mode	Display size
1 – 16 MHz	3D / 4D	21.5"

Highlights
- 21.5" full HD LED monitor with 1,920 × 1,080 resolution
- Upgraded one-key auto image optimization solution
- One-key to switch the exam mode
- Complete features: Smart Face, Smart FLC and IVF application package, Smart V, Smart Track
- Higher compatibility of power supply requirement

Mindray Medical · M9

Frequency range	Display mode	Display size
1 – 16 MHz	3D / 4D	15"

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 · ME8

Frequency range	Display mode	Display size
1 – 20 MHz	3D	15.6"

Highlights
- 15.6" IPS monitor, 12.3" IPS touch screen
- ZST+ platform
- Magnetic power socket
- Contract Imaging
- Elastography Imaging
- Stress Echo
- Smart Fluid Management Solution
- E-Spatial Navi

Mindray Medical · MX7

Frequency range	Display mode	Display size
1 – 20 MHz	3D / 4D	15.6"

Highlights
- 15.6" IPS monitor, 12.3" IPS touch screen
- Cutting-edge ZST+ platform
- Eight hours continuous scanning
- Magnetic power socket
- Contrast imaging
- Elastography imaging
- Stress echo
- TDI and QA
- LVO
- iNeedle+

Mindray Medical · TE7

Frequency range	Display mode	Display size
1 – 16 MHz	3D	15"

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 eSpacial Navi, iNeedle+, AutoEF, iZoom, iTouch and Smart Track
- Easy to transport and store, can be mounted on trolley, desktop table or wall

Mindray Medical · ZS3 Diamond Edition

Frequency range	Display mode	Display size
1 – 20 MHz	3D / 4D	19"

Highlights
- ZST featured
- Focused image across the full field view
- CEUS with superior sensitivity, spatial resolution and temporal resolution
- ARFI
- Complete transducer solution with transducer tracking technology
- Automatic Image Optimization reduces exam time
- Weight: 66 kg

Ultrasound

Siemens Healthineers · Acuson Sequoia Ultrasound System

Frequency range	Display mode	Display size
1 – 18 MHz	2D / 3D / 4D	15.6" / 22"

Highlights

Powered by BioAcoustic imaging technology to reduce the effects of ultrasound variability among users, patients and technology.

- See more: See deeper and clearer with the latest InTune transducers offering InFocus technology eliminating the need for a conventional focal zone
- Know more: Advanced applications expand clinical information with imaging technologies that improve patient outcomes
- Do more: User designed experiences that improve workflow usability

Siemens Healthineers · Acuson Juniper Ultrasound System

Frequency range	Display mode	Display size
1.1 – 18 MHz	2D / 3D / 4D	13.3 / 21.5"

Highlights

- High-performance, shared-service system for virtually every patient with one of the industry's smallest footprint
- Five active transducer ports and one CW port support 19 transducers for a wide variety of capabilities – from radiology, interventional radiology, cardiology, urology to orthopedics and OB / GYN
- High-fidelity acoustic signals greatly reduce noise and offer premium image quality with industry-leading elasticity solutions

Siemens Healthineers · Acuson P500 Ultrasound System

Frequency range	Display mode	Display size
1.3 – 16 MHz	2D	15.4"

Highlights

- Innovative technologies that automatically detect and prevent motion artifacts, reduce noise, and simultaneously enhance color
- 15" infrared touch screen improves gesturing accuracy
- Increase patient throughput with mobile quick scanning and boot-up times of less than 30 seconds
- The new IntraCardiac Echocardiography (ICE) Edition integrates the imaging capabilities of the Acuson AcuNav catheters providing real-time visualization of cardiac anatomy within the heart

Siemens Healthineers · Acuson NX3 Elite Ultrasound System

Frequency range	Display mode	Display size
1.3 – 16 MHz	2D / 3D / 4D	10.4" / 21.5"

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 Ultrasound System

Frequency range	Display mode	Display size
1.3 – 12 MHz	2D / 3D / 4D	10.4" / 21.5"

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 Elite Ultrasound System

Frequency range	Display mode	Display size
2 – 10 MHz	2D	21.5"

Highlights

- Provides premium imaging performance using a cost-efficient, ten-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" 1,080 p HD display; Twice the pixel density
- Migrated optional advanced clinical applications such as DTI, eSie Touch elasticity & advanced foursight technology

Ultrasound

Siemens Healthineers · Acuson NX2 Ultrasound System

Frequency range	Display mode	Display size
2 – 10 MHz	2D	21.5"

Highlights
- Provides premium imaging performance using a cost-efficient, eight-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" 1,080 p HD display; Twice the pixel density
- Simplified control panel designed to enable operator efficiency and speed-up completion of essential tasks

Siemens Healthineers · Acuson SC2000 Prime Ultrasound System

Frequency range	Display mode	Display size
1.25 – 10 MHz	2D / 3D / 4D	21.5"

Highlights
- The complete structural heart disease solution as the only system to offer 2D and 4D TTE, TEE, and ICE and TrueFusion on one system
- Speed and precision for the echo lab with AI-powered applications: eSie Measure, eSie LVA, eSie Left Heart and eSie Valves
- Advanced applications to support routine echo and interventional guidance with eSie PISA, eSie VVI, Volume Right Ventricular Analysis (RVA), Septal Guide, TrueFusion and more
- One-click automated aortic and mitral valve modeling and measurements within seconds with eSie Valves

Siemens Healthineers · Acuson Redwood Ultrasound System

Frequency range	Display mode	Display size
1 – 18 MHz	2D / 3D / 4D	13.3" / 21.5"

Highlights

Offering detailed image quality, advanced applications and efficient workflow, Acuson Redwood provides an ultrasound solution that is redefined.
- Detailed: See deeper and clearer with the latest InTune transducer family
- Advanced: Tailored advanced applications that improve patient outcomes
- Efficient: Small, portable and AI-powered measurement tools for intuitive workflow

Siemens Healthineers · Acuson Freestyle Elite Ultrasound System

Frequency range	Display mode	Display size
2 – 15 MHz	2D	15"

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 Freestyle Ultrasound System

Frequency range	Display mode	Display size
2 – 15 MHz	2D	15"

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

Testing Devices

Testing Devices

IBA Dosimetry · DIGI-13

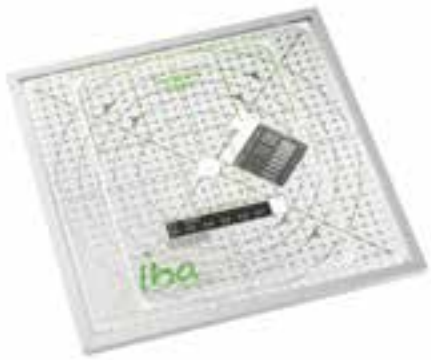
Highlights

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 · 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

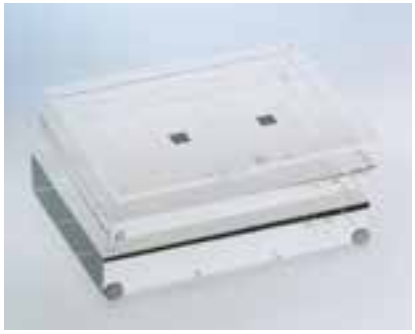
IBA Dosimetry · Mammo-14

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 × 20 mm / 1 × 10 mm / 1 × 4 mm PMMA attenuation plates
- 2 × 20 mm PMMA full field attenuation plate (260 × 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-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 × 20 mm / 1 × 10 mm / 1 × 4 mm PMMA attenuation plates
- 1 × 20 mm PMMA full field attenuation plate (260 × 320 mm)

Testing Devices

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

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 · 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 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 · 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

Testing Devices

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.

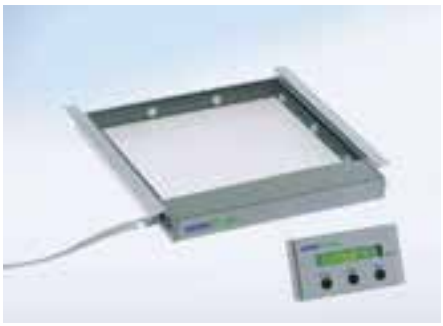
Spatial parameter:
- Detail resolution
- Uniformity and noise
- Laser marks for convenient positioning in iso-center

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

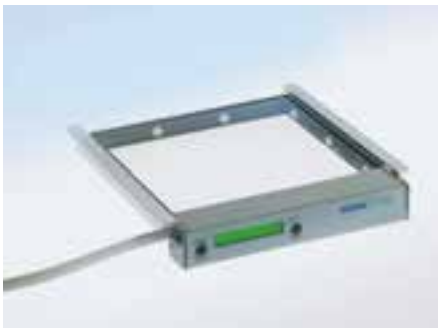
IBA Dosimetry · KermaX plus SDP



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 × RS232 (RIS/HIS or printer)

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.

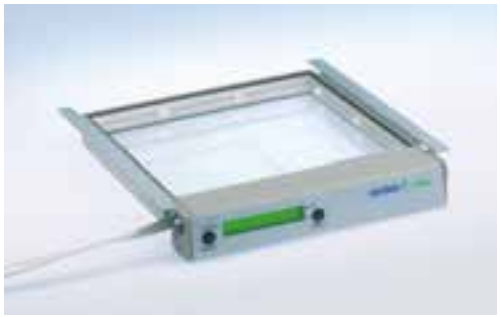
Measurement parameter:
- DAP rate: 0.01 µGym²/s – 3,000 µGym²/s
- DAP resolution: 0.01 µGym²
- Interface (optional): RS232, RS485

IBA Dosimetry · KermaX plus 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 µGym²/s – 3,000 µGym²/s
- DAP resolution: 0.01 µGym²
- Interface: 2 × 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 µGym²/s – 3,000 µGym²/s
- DAP resolution: 0.01 µGym²
- Interface (optional): RS232, RS485, CAN

Testing Devices

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 · DVTap Cone-Beam CT Test Phantom

Highlights

- The Quart DVTap phantom is designed for QA / QC at conebeam 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 · mamTOMO Digital Breast Tomosynthesis Phantom

Highlights

- The mamTOMO phantom is a novel approach in DBT QA. The phantom incorporates 3D test objects that simulate lesions and non-spiculated masses in a non-homogeneous background.
- An associated automated evaluation software assists at all test stages from image processing, statistic data evaluation to extrapolation of threshold diameters for lesion perceptibility.

Quart · SPdl 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.

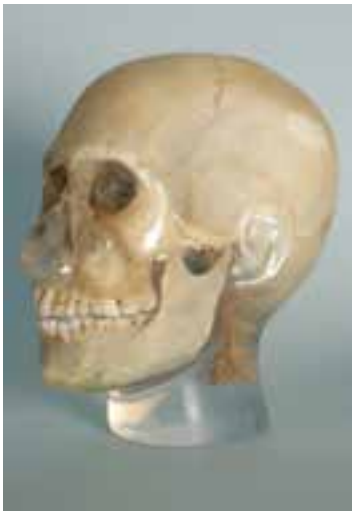
Quart · Anthropomorphic X-Ray Phantoms

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



Testing Devices

Quart · didoNEO R Diagnostic X-Ray Dosemeter

Highlights

The Quart didoNEO introduces a new approach to diagnostic x-ray meters: it features the most compact base unit and most compact detector in the x-ray meter industry. The didoNEO R is used for QA and service in radiography, (Pulsed) fluoroscopy, DSA, dental, 3D (CBCT).

- Compact multi-functional state-of-the-art solid state detector
- Enables measurements in spots with limited space
- Measures behind scatter radiation grids
- Direct measurement of DLP/DWP in dental OPG

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 · 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 (50 – 150 kV), for mammography (25 – 40 kV), and one for the full diagnostic range (25 – 150 kV).

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 · nonius Digital 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.

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.

Testing Devices

Radcal · Accu-Gold Touch Professional

Highlights
- A stand-alone diagnostic x-ray QA instrument
- Supports all medical x-ray modalities using the most dynamic sensor selection available
- Rechargeable Battery
- Stores all measurement data and waveforms
- Computer connectivity: WiFi and USB
- Report generation
- Waveform analysis

Radcal · Accu-Gold Touch

Highlights
- A stand-alone diagnostic test meter
- Supports all medical x-ray modalities
- Operates with all of Radcal's ion chambers, solid state, mA and light sensors
- Flip screen display
- Reliably captures Dose, Dose Rate, kV, HVL, Filtration, mA and more
- Can simultaneously measure with solid state and ion chambers sensors
- Stores all measurement data and waveforms

Radcal · Accu-Gold+

Highlights
- The most dynamic X-ray QA meter available
- Supports all medical X-ray modalities
- Operates with all of Radcal's ion chambers, solid state, mA and light sensors
- Includes customizable easy-to-use software
- Report generation
- Waveform analysis
- Optional WiFi capability

Radcal · 10X6-60DAP

Highlights
- Ideal for Dose Area Product (DAP) of Pan-Dental or CBCT-Dental
- Easy to use mounting alignment fixture
- Unit selection of Gy-m^2 or Gy-cm^2
- Flat energy response
- Plug and Play with your existing Radcal Touch or Accu-Gold system – no calibration adjustments

RTI Group · Ocean Next software

Highlights

The new power in X-ray QA software is here!
The industry-leading Ocean Next – with its three different license levels of Quick, Advantage, and Professional – is a swift, easy-to-use application for routine controls, or for customized application with workflow, automatic tests, and traceability. It is compliant with all Piranha and Cobia meters as well as the new RTI Scatter Probe.

RTI Group · CT Ion Chambers 10 & 30 cm

Highlights

The RTI CT Ion Chambers 10 and 30 cm are both pencil-type ion chambers intended for measuring the exposure output level of CT scanners in a CTDI Phantom or free-in-air. The Ion Chambers are compatible with the RTI Chamber Adapter for use with the Piranha and Cobia meters. They can also be used with the older RTI Barracuda and Solidose 400 models.

Testing Devices

RTI Group · Cobia

Highlights

Cobia is RTI's easy-to-use solution for quick and efficient measurements of a variety of radiography and fluoroscopy parameters. All Cobias are wireless, come ready-to-use with Bluetooth connection, and include Ocean Next software. Select the model that suits your needs, and only pay for what you need to measure!

RTI Group · Piranha

Highlights

Piranha is RTI's premium platform for reliable QA. All Piranhas are wireless, come ready-to-use with Bluetooth connection, and include Ocean Next software. The MULTI model can be used for X-ray QA of all modalities - R/F, Dental, Mammo, and CT – whereas the other four Piranhas are dedicated to one specific modality. With automatic connection to various RTI accessories, just plug and play.

Testing Devices

RTI Group · Scatter Probe

Highlights
A leakage and scatter detector in one!
The revolutionary RTI Scatter Probe is a rugged, flat, solid-state detector for leakage and scatter detection in X-ray environments. Its unique design – two separate detector areas of 10 and 100 cm^2 – fulfils current regulations and standards for X-ray leakage and scatter measurements. Connects to Ocean Next software, via a USB, for reading and reporting.

VacuTec · AEC Chamber

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
- Aluminum 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

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 µGym^2
- Resolution Dose: 0.005 mGy
- Interface: RS485, RS232, Bluetooth, CAN, USB
- Active area: Ø (8 …100) mm

VacuTec · VacuDAP Bluetooth

Highlights
- VacuDAP chamber is now available with Bluetooth technology.
- Perfect suitable for DR upgrades and mobile X-ray units.
- The battery ensures simplest installation ever.

Technical specs:
- Resolution DAP: 0.01 µGym^2
- Active area: 123 × 123 mm / 147 × 147 mm
- Battery operation time: about 24 h

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 µGym^2
- Resolution Dose: 0.003 mGy
- Interface: RS485, RS232, Bluetooth, CAN, USB
- Active area: 123 × 123 mm / 147 × 147 mm

		Computed Tomography	Magnetic Resonance Imaging	Injectors	Interventional Systems	Artificial Intelligence	IT Systems	Mammography	R/F Film-Screen	R/F Digital	Molecular Imaging	Displays	Printers	Ultrasound	Testing Devices
AB-CT – Advanced Breast-CT GmbH Henkestr. 91 91052 Erlangen, Germany tel +49 9131 97 31 00 ask.crm@ab-ct.com www.ab-ct.com	AB-CT	16						71							
Agfa HealthCare Septestraat 27 2640 Mortsel, Belgium tel +32 3 444 94 44 agfahealthcareinfo.be@agfa.com www.agfa.com	AGFA HealthCare						57 60 62 66 67								
Agfa Septestraat 27 2640 Mortsel, Belgium tel +32 3 444 21 11 www.agfa.com	AGFA									86 87 88 99 100 104 105 110 115			123 124		
allMRI GmbH Südstr. 23 74226 Nordheim, Germany tel +49 7133 237 02 20 mail@allmri.com www.allmri.com	allMRI		34												
Arcoma AB Annavägen 1 352 46 Växjö, Sweden tel +46 470 70 69 00 service@arcoma.se www.arcoma.se	ARCOMA									88					
BMS Informationstechnologie GmbH Diesterweggasse 7/1 1140 Vienna, Austria tel +43 1 524 81 34 00 info@bms-austria.com www.easydose.eu	BMS INFORMATIONSTECHNOLOGIE® GMBH						68								
Bracco Injeneering S.A. Avenue de Sévelin 46 1004 Lausanne, Switzerland tel +41 21 621 74 00 info.injeneering@bracco.com www.imaging.bracco.com	BRACCO INJENEERING			36 39			68								
Canon Electron Tubes & Devices Co., Ltd. 1385 Shimoishigami Otawara-shi, Tochigi 324-8550, Japan tel +81 287 26 66 66 https://etd.canon/eng	Canon CANON ELECTRON TUBES & DEVICES CO., LTD.	19			51					100 101 115					
Canon Europe NV Medical Components Business Group Bovenkerkerweg 59 1185 XB Amstelveen, The Netherlands tel +31 205 45 89 26 medical.drsales@canon-europe.com www.canon-europe.com/medical	Canon						69			88 93 94 101 102 107 111 112 114					
Canon Medical Systems Europe B.V. Zilverstraat 1 2718 RP Zoetermeer, The Netherlands tel +31 79 368 92 22 eu.medical.canon	Canon	7 9 12 17 18	26 27		41 42 43 44	53	60	71		88 89 105 110 111 115				126 127	
Cefla s.c. Via Selice Provinciale 23A 40026 Imola (BO), Italy tel +39 045 820 27 27 info@newtom.it www.newtom.it	NewTom Cone Beam 3D Imaging what's next	16													

		Computed Tomography	Magnetic Resonance Imaging	Injectors	Interventional Systems	Artificial Intelligence	IT Systems	Mammography	R/F Film-Screen	R/F Digital	Molecular Imaging	Displays	Printers	Ultrasound	Testing Devices
DİNAMİK RÖNTGEN 1371.sokak No: 21/b Y. Mahalle Ankara, Turkey tel +90 312 395 25 31 info@dynamicxray.com www.dynamicxray.com					45					89 105					
DK Medical Systems Co.,Ltd 18, Baumoe-ro 7-gil, Seocho-gu, Seoul, 06762, Korea tel +82 2 529 6190 global@dk.co.kr www.dk.co.kr	DK Medical Systems				49					90					
DRGEM Corporation 7F, E-B/D Gwangmyeong Techno-Park, 60 Haan-ro, Gwangmyeong-si, Gyeonggi-do, Korea tel +82 2 869 85 66 drgem@drgem.co.kr www.drgem.co.kr	DRGEM Your Best Healthcare								81	90 91 102 105 115 116					
Philips Medical Systems DMC GmbH Röntgenstr. 24 22335 Hamburg, Germany marketing.dunlee@philips.com www.dunlee.com	DUNLEE	19	32												
EXAMION GmbH Erich-Herion-Str. 37 70736 Fellbach, Germany tel +49 711 12 00 02-0 vertrieb@examion.com www.examion.com	EXAMION X-Ray Systems · Digital Imaging · Service						60		79 81	86 92 99 102 105 116					
Febromed GmbH & Co. KG Am Landhagen 52 59302 Oelde, Germany tel +49 2522 9 20 19 00 info@febromed.de www.febromed.com	febromed	20	34												
FUJIFILM Medical Systems Europe Heesenstr. 31 40549 Düsseldorf, Germany tel + 49 211 508 90 www.fujifilm.eu	FUJIFILM	13 15			46	53	60 62 63 64 68	71	81	92 102 105 106					
GCTechnology GmbH Freidling 12 84172 Buch am Erlbach, Germany tel +49 8706 94 15 00 info@gctech-gmbh.com www.gctech-gmbh.com	GCTechnology GmbH	20	34		51										
GLEAMER 117 Quai de Valmy 75010 Paris, France tel +33 6 08 18 12 01 contact@gleamer.ai www.gleamer.ai	GLEAMER					54									
GMM GROUP Via Partigiani, 25 24068 Seriate (BG), Italy tel +39 035 452 53 11 info@gmmspa.com www.gmmspa.com	GMM				46 49				79	92 93 106 111					
Guerbet BP 57400 95943 Roissy CdG Cedex, France tel +33 145 91 50 00 LF@guerbet.com www.guerbet.com	Guerbet			36 37 39			68								

		Computed Tomography	Magnetic Resonance Imaging	Injectors	Interventional Systems	Artificial Intelligence	IT Systems	Mammography	R/F Film-Screen	R/F Digital	Molecular Imaging	Displays	Printers	Ultrasound	Testing Devices
Hitachi **Medical Systems Europe (Holding) AG** Sumpfstr. 13 6300 Zug, Switzerland tel +41 41 748 63 33 welcome@hitachi-medical-systems.com www.hitachi-medical-systems.com	HITACHI Inspire the Next	9 13	27 31			54								127 128	
Hologic bvba Da Vincilaan 5, Building Caprese 1930 Zaventem, Belgium tel +32 2711 46 80 EUInfo@hologic.com www.hologic.com	HOLOGIC®					54	63 64	71 75 76 77		114				128	
I.A.E. S.P.A. Via Fabio Filzi, 53 20032 Cormano (MI), Italy tel +39 02 66 30 32 55 iaexray@iae.it www.iae.it	iae	20			51			77	83	116					
IBA Dosimetry GmbH Bahnhofstr. 5 90592 Schwarzenbruck, Germany tel +49 9128 607- 0 salesdiagnostic@iba-group.com www.iba-dosimetry.com www.iba-dosimetry.de	iba DOSIMETRY														135 136 137
iCAD, Inc. 98 Spit Brook Road Suite 100 Nashua, NH 03062, USA tel +1 603 882 5200 www.icadmed.com	iCAD®					54									
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	IMAGE						57 60 62 64 67					122			
IMS Giotto S.p.A. **– GMM GROUP –** Via Sagittario, 5 40037 Sasso Marconi (BO), Italy tel +39 51 84 68 51 imscomm@imsgiotto.com www.imsgiotto.com	IMS Giotto							71 74 76							
INTERMEDICAL SRL Via E. Fermi, 26 24050 Grassobbio (BG), Italy tel +39 035 659 48 11 info@inter-med.it www.inter-med.it	INTERMEDICAL				46 49				81	93 106					
i-SOLUTIONS Health GmbH Am Exerzierplatz 14 68167 Mannheim, Germany tel +49 621 39 28-0 info@i-solutions.de www.i-solutions.de	i-SOLUTIONS HEALTH						57 58 65 69								
JVCKENWOOD Deutschland GmbH Konrad-Adenauer-Allee 1 – 11 61118 Bad Vilbel, Germany tel +49 2161 69 84-180 medical-display.e@jvckenwood.com healthcare.jvc.com	JVC											121 122			
Konica Minolta **Business Solutions Europe GmbH** Capellalaan 65 2132 JL Hoofddorp, The Netherlands healthcare@konicaminolta.eu www.konicaminolta.eu/healthcare	KONICA MINOLTA						63			87 93 102 103 106			124	129	

		Computed Tomography	Magnetic Resonance Imaging	Injectors	Interventional Systems	Artificial Intelligence	IT Systems	Mammography	R/F Film-Screen	R/F Digital	Molecular Imaging	Displays	Printers	Ultrasound	Testing Devices
medavis GmbH Bannwaldallee 60 76135 Karlsruhe, Germany tel +49 721 929 10-0 info@medavis.de www.medavis.de	medavis						57 58 65								
mediaire GmbH Möckernstr. 63 10965 Berlin, Germany tel +49 30 28 64 90 67 info@mediaire.de www.mediaire.de	mediaire					54									
medigration GmbH Dr.-Rudolf-Eberle-Str. 8 – 10 76534 Baden-Baden, Germany tel +49 7223 966 98 60 info@medigration.de www.medigration.de	bender gruppe medigration						57 61 64 65 67 69			103		123			
MEDTRON AG Hauptstr. 255 66128 Saarbrücken, Germany tel +49 681 970 17-0 info@medtron.com www.medtron.com	MED TRON AG			38											
Medtronic International Trading Sàrl Route du Molliau 31 1131 Tolochenaz, Switzerland tel +41 21 802 70 00 www.oarm.com www.medtronic.com	Medtronic Further, Together				46										
SHENZHEN MINDRAY BIO-MEDICAL ELECTRONICS CO., LTD. Mindray Building, Keji 12th Road South Nanshan, Shenzhen 518057, China tel +86 755 81 88 89 98 intl-market@mindray.com www.mindray.com	mindray					55				94 107				129 130 131	
NEXUS / CHILI GmbH Friedrich-Ebert-Str. 2 69221 Dossenheim / Heidelberg, Germany tel +49 6221 180 79 10 sales@nexus-chili.com www.nexus-chili.com	nexus/chili imaging & radiology solutions						57 61 62 63 65 66 67					123			
NORAS MRI products GmbH Leibnizstr. 4 97204 Höchberg, Germany tel +49 931 29 92 70 mri@noras.de www.noras.de	NORAS MRI products		32 33												
NRT X-RAY A/S Birkegaardsvej 16 8361 Hasselager, Denmark tel +45 86 28 35 00 nrt@nrtxray.com www.nrtxray.com	NRT									94 111 112					
OR Technology Oehm und Rehbein GmbH Neptunallee 7c 18057 Rostock, Germany tel +49 381 36 60 06 00 info@or-technology.com www.or-technology.com	OR Technology						61 66			87 94 99 103 107					
Planmed Oy Sorvaajankatu 7 00880 Helsinki, Finland tel +358 20 779 53 00 sales@planmed.com www.planmed.com	Planmed	16						71 74 75							

		Computed Tomography	Magnetic Resonance Imaging	Injectors	Interventional Systems	Artificial Intelligence	IT Systems	Mammography	R/F Film-Screen	R/F Digital	Molecular Imaging	Displays	Printers	Ultrasound	Testing Devices
PTW Freiburg GmbH Lörracher Str. 7 79115 Freiburg, Germany tel +49 761 490 55-0 info@ptwdosimetry.com ptwdosimetry.com	PTW THE DOSIMETRY COMPANY	20						77	83	116					
QUART GmbH Kirchenweg 7 85604 Zorneding, Germany tel +49 8106 24 91 18 info@quart.de www.quart.de	QUART Quality Assurance in Radiological Technologies														138 139
Radcal Corporation 426 West Duarte Road Monrovia, CA 91016, USA tel +1 626 357 79 21 sales@radcal.com www.radcal.com	Radcal														140
Roesys MedTec GmbH Dr.-Max-Ilgner-Str. 2 32339 Espelkamp, Germany tel +49 5772 915 55-0 info@roesys.de www.roesys.de	roesys Imaging future.								79 83	94 103					
RTI Group Flöjelbergsgatan 8C 43137 Mölndal, Sweden tel +46 31 746 36 27 sales@rtigroup.com www.rtigroup.com	RTI INDEPENDENT X-RAY QUALITY ASSURANCE														140 141 142
ScreenPoint Medical Toernooiveld 300 6525 EC Nijmegen, The Netherlands tel +31 242 020 020 info@screenpointmed.com www.screenpoint-medical.com	SCREENPOINT Medical					55									
Shimadzu Europa GmbH Medical Systems Division Albert-Hahn-Str. 6 – 10 47269 Duisburg, Germany tel +49 203 76 87-0 medical@shimadzu.eu www.shimadzu-medical.eu	SHIMADZU Excellence in Science				42 44 49				79 80 81 82	95 107 112					
Siemens Healthineers Headquarters **Siemens Healthcare GmbH** Henkestr. 127 91052 Erlangen, Germany tel +49 800 188 188 5 siemens.com/healthineers	SIEMENS Healthineers	7 12 15 17 18	26 27 30 31		41 42 44 45 46 47 49 51	55	58 60 61 62 63 64 69	74 75 76	82	95 96 107 112 113	118 119			132 133	
Solutions for tomorrow Saxagårdsvägen 5 36251 Väckelsång, Sweden tel +46 10 456 45 00 info@solutionsfortomorrow.se www.solutionsfortomorrow.se	Solutions for tomorrow									107					
STEPHANIX 10, Rue Jean Moulin 42150 La Ricamarie, France tel +33 477 47 81 60 contact@stephanix.com www.stephanix.com	STEPHANIX MEDICAL IMAGING SOLUTIONS				47				80 82	96 97 103 104 108 113 114					
SternMed GmbH Schubertstr. 31 88214 Ravensburg, Germany tel +49 751 35 97 80 email@sternmed.de www.sternmed.de	STERNMED® we make it possible	15	30 32		47 50			75	82	108					

		Computed Tomography	Magnetic Resonance Imaging	Injectors	Interventional Systems	Artificial Intelligence	IT Systems	Mammography	R/F Film-Screen	R/F Digital	Molecular Imaging	Displays	Printers	Ultrasound	Testing Devices
Swissray Technologies AG Turbistr. 25 6280 Hochdorf, Switzerland tel +41 41 914 12 12 info@swissray-technologies.com www.swissray-technologies.com	SWISSRAY TECHNOLOGIES						66			97 98 104 108					
Technix S.p.A. Via Fermi 45 24050 Grassobbio (BG), Italy tel +39 035 384 66 11 technixd@technix.it www.technix.it	TECHNIX				47					109					
THERAPIXEL Le Village By CA, Rue Claude Daunesse 06560 Valbonne, France Phone: +33 9 72 55 20 39 contact @ therapixel.com www.therapixel.com	THERAPIXEL					55									
Ultrasound Technologies LTD Lodge Way, Portskewett, Caldicot, South Wales, NP26 5PS, U.K. tel +44 12 91 42 54 25 ultratec@doppler.co.uk www.doppler.co.uk	ultrasound technologies	20													
VacuTec Meßtechnik GmbH Dornblüthstr. 14a 01277 Dresden, Germany tel +49 351 317 24-0 info@vacutec-gmbh.de www.vacutec-gmbh.de	VACUTEC														142
Varex Imaging Deutschland AG Otto-Brenner-Str. 10 47877 Willich, Germany tel +49 2154 92 49 80 info@varexiimaging.com www.varexiimaging com	VAREX IMAGING	21						77							
VILLA SISTEMI MEDICALI s.p.a. Via delle Azalee, 3 20090 Buccinasco (MI), Italy tel +39 02 48 85 91 sales@villasm.com www.villasm.com	VILLA				50			74 75 76	80 81 82 83	98 99 104 109 110 114					
Ziehm Imaging GmbH Lina-Ammon-Str. 10 90471 Nürnberg, Germany tel +49 911 21 72 - 0 info@ziehm.com www.ziehm.com	ziehm imaging				48 50										

Notes

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