



€ 19.-

# RAD BOOK 2020

The Guide to Imaging  
Technology and Informatics in Europe

Vol. 14



At Siemens Healthineers, our purpose is to enable healthcare providers to increase value by empowering them on their journey towards expanding precision medicine, transforming care delivery, and improving patient experience, all enabled by digitalizing healthcare.

# NEVER STOP

## ADVANCING HEALTHCARE

When you're a company who has spent over 80 years striving to move the world forward, you never stop.

We'll never stop innovating in the medical areas of prevention, diagnosis and treatment.

With technologies like AI powered imaging solutions that are designed to help improve the accuracy of diagnoses and surgery.

Applying our scientific expertise to advance regenerative medicine to meet unmet medical needs.

Creating nano-particle based drug delivery technologies to help in the fight against cancer, or continuing to pioneer endoscopic and x-ray imaging technologies.

We'll never stop improving the future, creating value from innovation that will change the world of healthcare forever.

**FUJIFILM**  
Value from Innovation



## Dear Reader,

it was a bit more than three years ago, in November 2016, that Geoff Hinton at an AI conference in Toronto demanded we stop training radiologists since quite obviously the profession would be obsolete in five or maybe ten years' time and after all there were plenty of radiologists around today.

Now, three years later, there are not plenty of radiologists around – quite the contrary – and AI has not pushed a single radiologist out of a job. Moreover, I dare say that Geoff Hinton would not trust a diagnosis that was made 100 percent by machines. Patients continue to prefer placing their trust in human physicians whose treatment decisions are based on a mix of experience and current research and whose diagnoses are supported by state-of-the-art technology.

AI, no doubt, is gaining ground and machine learning algorithms will be used to automatize error-prone and repetitive tasks.

These algorithms are particularly suited to optimise radiology workflows, to automatically select protocols and settings, analyse images, suggest diagnoses and prepare structured reports. The responsibility for well-founded diagnoses, however, will remain with the radiologist for years to come. To trust systems that self-validate their results and deduct findings from these results might just be a tad naïve.

That's why we will continue to need radiologists! Physicians who – aware of their knowledge and their experience – face the new technology with self-confidence will open up new perspectives in medicine.

Your editorial team

**Daniela Zimmermann** and **Guido Gebhardt**

**HITACHI**  
Inspire the Next

# the next level in human- centered design

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CT Solutions in Sight







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# Computed Tomography

Dual Source CT  
Volume CT  
20 to 64 Slices  
2 to 16 Slices  
Mammo CT  
Conebeam CT  
Oncology CT  
Accessories /  
Complementary Systems

AB-CT



**Canon**  
CANON ELECTRON TUBES & DEVICES CO., LTD.

**Canon**

Cone Beam 3D Imaging  
**NewTom**  
what's next

**DUNLEE**

 **febromed**

**FUJIFILM**

**GCTechnology GmbH**

**HITACHI**  
Inspire the Next



**LEONI**

**Planmed**

**PTW** THE DOSIMETRY COMPANY

**SIEMENS**  
Healthineers

**STERNMED**  
we make it possible


**ultrasound**  
technologies

**VAREX**  
IMAGING

Dual Source CT

**Siemens Healthineers · Somatom Force**

<b>Power</b> 240 kW	<b>Gantry bore</b> 78 cm	<b>Scan speed</b> 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**

<b>Power</b> 200 kW	<b>Gantry bore</b> 78 cm	<b>Scan speed</b> 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**

<b>Power</b> 100 kW	<b>Gantry bore</b> 78 cm	<b>Scan range</b> 150 / 200 cm
------------------------	-----------------------------	-----------------------------------



**Highlights**

- Advanced Intelligent Clear-IQ Engine (AiCE)
- Artificial intelligence in scanning and processing
- PUREVISION Optics imaging chain
- 0.275 s rotation
- 16 cm coverage
- 640 slices/rotation
- 0.17 mm spatial resolution
- SUREPosition 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**

<b>Power</b> 100 kW	<b>Gantry bore</b> 78 cm	<b>Scan range</b> 150 / 200 cm
------------------------	-----------------------------	-----------------------------------




**Highlights**

- Advanced Intelligent Clear-IQ Engine (AiCE)
- Artificial intelligence in scanning and processing
- PUREVISION Optics imaging chain
- 0.35 s rotation
- 16 cm coverage
- 640 slices/rotation
- 0.17 mm spatial resolution
- SUREPosition 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**

<b>Power</b> 100 kW	<b>Gantry bore</b> 78 cm	<b>Scan range</b> 150 / 200 cm
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**Highlights**

- Advanced Intelligent Clear-IQ Engine (AiCE)
- Artificial intelligence in scanning and processing
- PUREVISION Optics imaging chain
- 0.275 s rotation
- 16 cm coverage
- 640 slices/rotation
- 0.17 mm spatial resolution
- SUREPosition patient centring
- Lateral table movement
- 300 kg patient table
- SEMAR (Metal Artefact Reduction)
- Wide range of Cardiac and Dual Energy applications
- Isophasic organ perfusion

**Canon · Aquilion One Genesis Edition 350**

<b>Power</b> 100 kW	<b>Gantry bore</b> 78 cm	<b>Scan range</b> 150 / 200 cm
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**Highlights**


- Advanced Intelligent Clear-IQ Engine (AiCE)
- Artificial intelligence in scanning and processing
- PUREVISION Optics imaging chain
- 0.35 s rotation
- 16 cm coverage
- 640 slices/rotation
- 0.17 mm spatial resolution
- SUREPosition patient centring
- Lateral table movement
- 300 kg patient table
- SEMAR (Metal Artefact Reduction)
- Wide range of Cardiac and Dual Energy applications
- Isophasic organ perfusion

# Computed Tomography

## Volume CT

**Canon · Aquilion Precision**

<b>Power</b> 72 kW	<b>Gantry bore</b> 78 cm	<b>Scan range</b> 170 / 200 cm
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**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**

<b>Power</b> 72 kW	<b>Gantry bore</b> 78 cm	<b>Scan range</b> 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**

<b>Power</b> 50.4 kW	<b>Gantry bore</b> 78 cm	<b>Scan range</b> 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**

<b>Power</b> 72 kW (84 kW optional)	<b>Gantry bore</b> 80 cm	<b>Scan range</b> 200 cm
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**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**

<b>Power</b> 51 kW	<b>Gantry bore</b> 75 cm	<b>Scan range</b> 180 cm
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**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<sup>2</sup>

**Siemens Healthineers · Somatom Definition Edge**

<b>Power</b> Up to 100 kW	<b>Gantry bore</b> 78 cm	<b>Scan speed</b> Up to 230 mm/s
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**Highlights**

- Robust cardiac scanning with rotation time of 0.28 s/rot
- Pitch of up to 1.7 allows scanning of 230 mm/s thus minimizing motion artifacts
- 70 kV scan possibility allows to optimize contrast to noise ratio and reduce dose
- Raw-data based iterative reconstruction (ADMIRE)
- Dynamic imaging of up to 48 cm for dynamic CTA
- TwinBeam Dual Energy without dose penalty
- Tin Filters - bringing CT doses to those expected in a routine X-ray series



# Dunlee is your CT tube partner now and in the future

Dunlee, a supplier of reliable medical imaging components, announced at RSNA 2019 its investment in the development of a new CT replacement tube with liquid metal bearing. With this investment, customers can be confident that Dunlee will offer high-quality alternatives to OEM tubes for current and future generations of GE scanners.

## Customer testimonials on early installations planned for RSNA 2020

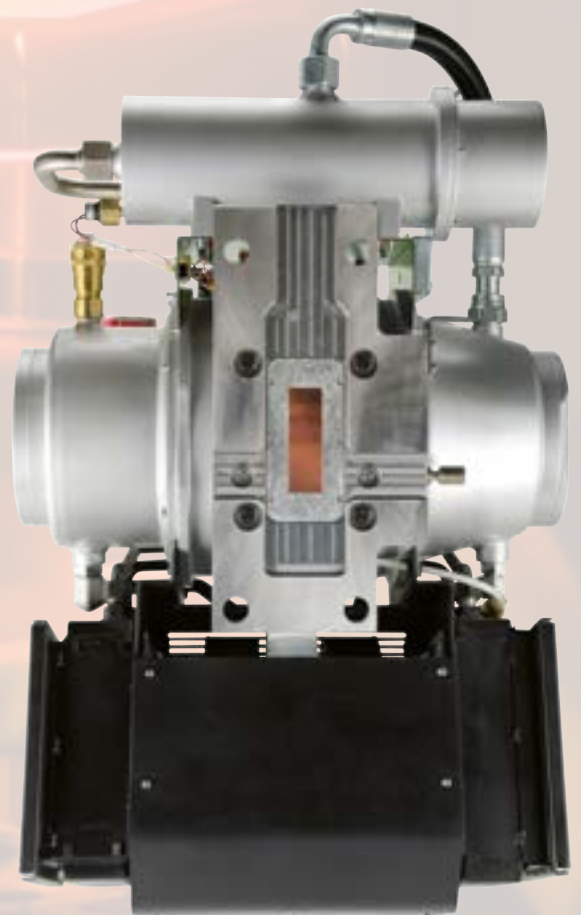
Since RSNA, Dunlee has reached the next level of product development, and plans to share the first customer testimonial cases of the new tube at RSNA 2020. "We've built our business on helping our customers secure a prosperous future," says Alexander Eitel, Head of Marketing & Business Development. "Because we have loyal, long-term relationships with them, as well as many new prospects, we are continually investing in new products and anticipating future needs so we can provide a robust portfolio of alternatives to OEM tubes."

Dunlee's full line of CT replacement tubes offers reliability, quality and economic value, which helps minimize CT scanner operational costs and downtime. Dunlee also provides 24/7/365 technical support to help customers efficiently replace, install and calibrate tubes.

Dunlee is a leading provider of CT tubes for the replacement market, as well as CT, X-ray and MR solutions for the OEM market.

[www.dunlee.com](http://www.dunlee.com)

# DUNLEE



Intelligent CT Imaging

# How can intelligent and personalized CT scanning ease radiology workflow?

Increasingly, hospitals are aiming for more than just precision, quality, and speed in radiology. They want to go one step further – a step the University Hospitals of Erlangen and Navarra have now taken.

Francisco Cubo was desperate: The 52-year-old Spaniard was diagnosed with cancer of the kidney and malignant lung nodules. The real estate broker from Madrid sought out the best possible medical care and found the Clínica Universidad de Navarra. This clinic in Pamplona, northern Spain, is among the country's most prestigious referral hospitals for treatment of cancer and heart diseases. His kidney cancer was successfully dealt with. But recently, new metastases have formed in his lungs, which are now being treated

and checked regularly. The journey from Madrid is long, but for him, it's worth the effort.

At 10:30 a.m., the computed tomography (CT) scan is performed. By 11:20, Francisco has already received the good news: The metastases have not spread any further. The treatment in the test phase seems to be effective. "In a regular hospital, I would have waited a week for the result. That's an eternity when you're in fear of your life. Here, I get the result within 50 minutes. That's priceless," says Francisco.



## Seeking quality and personalized treatment

Professional excellence combined with short waiting times and fast, personalized treatment are the hallmarks of this university clinic, which attracts patients from all over Spain, other European countries and even Africa.

"To be able to work both rapidly and with high precision, we need the latest scanning technology," explains Gorka Bastarrika, MD, Head of Radiology.

**Radiology nurse Begoña Sara finds that especially corpulent or less mobile patients can be positioned more easily thanks to the bigger gantry opening.**





**Matthias May, MD, Assistant Professor at the radiology department of University Hospital Erlangen and Laura Schwarzfaerber, radiology technologist.**

“SOMATOM X.cite is not just one of the most versatile devices on the market, but it is also the first to facilitate personalized, individualized scanning. As far as I’m concerned, this machine marks the beginning of a new era in computed tomography,” says Bastarrika.

Matthias May, MD, Assistant Professor at the radiology department of University Hospital Erlangen, Germany, which also took part in the SOMATOM X.cite pilot study, agrees: “The scanner is definitely the first step toward personalized radiology.”

“By using the predefined decision-making criteria, even less experienced staff are able to scan rapidly and flawlessly with the optimal image quality, X-ray dose, and contrast medium dose,” says the radiologist. This, he believes, is the upcoming trend in CT imaging. “We envision a future where you won’t need to be an expert to operate a CT scanner. This will be crucial not only in regions lacking a radiologist, but even here in our hospital. For instance, if less experienced personnel find themselves in stressful emergency situations or alone during their night shift.”

Since August, Bastarrika’s radiology team has been using the new SOMATOM® X.cite from Siemens Healthineers.

“Thanks to intelligent support from the new user concept myExam Companion as well as the automated capture of imaging and reconstruction settings, less experienced personnel can also carry out even the most complex scans quickly and accurately,” says the radiology chief. He notes that especially with cardiology patients suffering from arrhythmias, arteriosclerosis, or high heart rates, it is now much easier to standardize settings through intelligent decision trees.

### A new era in computed tomography

The new CT scanner also offers advantages for patients. The bigger gantry opening means larger and less mobile patients, or those attached to medical devices, can be positioned more easily, says radiology nurse Begoña Sara. For patient Francisco Cubo, the biggest benefit is that he can understand the breathing instructions without his hearing aid. “The new visual color codes indicate when you must breathe in or hold your breath, which makes it much easier for me,” he explains.

### Huge time savings in positioning

On her tablet, radiology technologist Laura Schwarzfaerber clicks through the simple questions that drive the decision criteria of myExam Companion together with the patient input. Automated algorithms read the patient’s ECG and feed it directly into the user system, which calculates the appropriate protocols and doses of radiation adjusted for ECG data, weight, size, and age. Schwarzfaerber stands beside the patient, who is already lying on the scanner table. The fully automated positioning program, supported by a 3D camera, places the patient in the optimal position. “We save loads of time at this stage, since all of these steps had to be done manually before,” says Schwarzfaerber. With the advanced tablet functionalities, she can now remain at the patient’s side even longer – “and that makes them much more calm and relaxed, which also assists our scanning process.”

*siemens-healthineers.com/somatom-xcite*

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*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.*

# Computed Tomography

## Volume CT

**Siemens Healthineers · Somatom X.cite**

<b>Power</b> 105 kW	<b>Gantry bore</b> 82 cm	<b>Scan speed</b> Up to 218 mm/s
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**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**

<b>Power</b> 100 kW	<b>Gantry bore</b> 78 cm	<b>Scan speed</b> Up to 230 mm/s
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**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 230mm/s thus minimizing motion artifacts

**Siemens Healthineers · Somatom go.Top**

<b>Power</b> 75 kW	<b>Gantry bore</b> 70 cm	<b>Scan speed</b> Up to 175 mm / s
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**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<sup>2</sup>

**Canon · Aquilion Lightning**

<b>Power</b> 50.4 kW	<b>Gantry bore</b> 78 cm	<b>Scan range</b> 148 / 198 cm
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**Highlights**

- AIDR 3D Enhanced iterative reconstruction
- 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**

<b>Power</b> 36 kW	<b>Gantry bore</b> 78 cm	<b>Scan range</b> 153 / 183 cm
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**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

**Fujifilm · FCT Speedia HD**

<b>Power</b> 72 / 108 kW	<b>Gantry bore</b> 75 cm	<b>Scan range</b> 175 / 195 cm
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**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<sup>2</sup>



20 to 64 Slices

**Hitachi · Supria 16/32**

<b>Power</b> 51 kW	<b>Gantry bore</b> 75 cm	<b>Scan range</b> 180 cm
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**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

**Siemens Healthineers · Somatom go.All**

<b>Power</b> 75 kW	<b>Gantry bore</b> 70 cm	<b>Scan range</b> Up to 200 cm
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**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<sup>2</sup>
- High temporal resolution and workflow automation facilitate easy cardiac examinations
- Holistic spectral imaging solution with TwinSpiral Dual Energy

**Siemens Healthineers · Somatom go.Up**

<b>Power</b> 32 kW	<b>Gantry bore</b> 70 cm	<b>Scan range</b> Up to 200 cm
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**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<sup>2</sup>

**Siemens Healthineers · Somatom go.Now**

<b>Power</b> 32 kW	<b>Gantry bore</b> 70 cm	<b>Scan range</b> Up to 160 cm
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**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<sup>2</sup>
- Longer lasting Chronon tube minimizes downtime and maximizes throughput
- Holistic spectral imaging solution with TwinSpiral Dual Energy

2 to 16 Slices

**Fujifilm · FCT Speedia**

<b>Power</b> 48 kW	<b>Gantry bore</b> 75 cm	<b>Scan range</b> 110 cm
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**Highlights**

- 5MHU 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<sup>2</sup>

**SternMed · Cytom 16**

<b>Power</b> 60 kW	<b>Gantry bore</b> 70 cm	<b>Scan range</b> 160 cm
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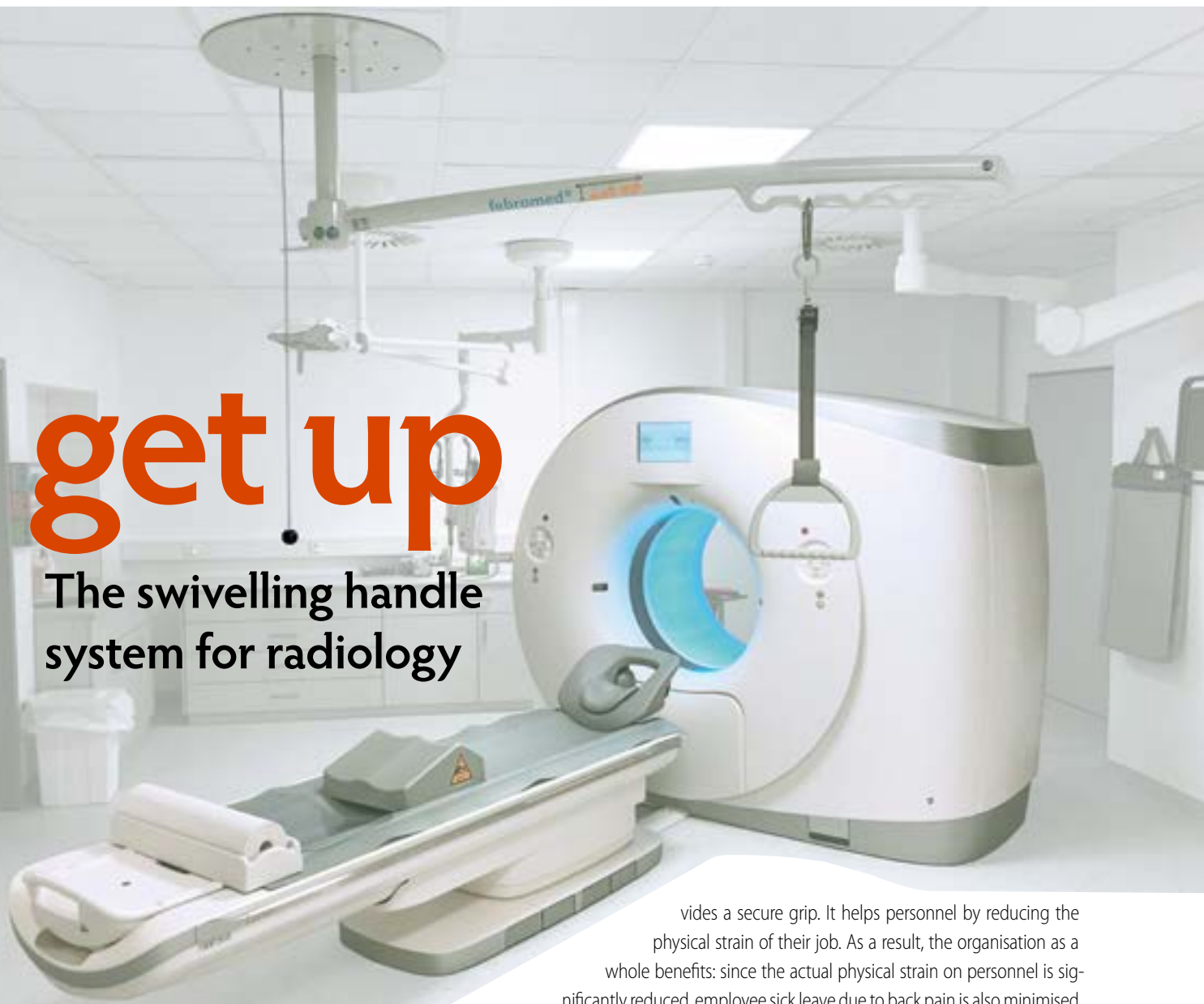


**Highlights**

- 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

# get up

## The swivelling handle system for radiology



vides 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.

### 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 pro-

### 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](http://www.febromed.com)

**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**

**Cecla · NewTom 5G XL**

FOV	Scan time	Pixel size
6 × 6 cm – 21 × 19 cm	18 s	100 µm



**Highlights**

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

**Cecla · NewTom Giano HR Range**

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



**Highlights**

- Sharp, detailed 3D images useful for otorhinolaryngology investigations
- Dedicated trajectories for studying pathologies of the cervical spine
- Examination of both temporomandibular joints in a single scan
- Pre-set radiation levels and exclusive SafeBeam technology lets users select the best exposure and obtain the optimal dose
- Engineered to be easy upgrade every time in every configuration
- Dedicate 2D/3D high-end sensor auto-adjust 3D / PAN
- Auto adaptive picture treatments, 3D aMAR, Sharp2D algorithms

**Cecla · NewTom VGi evo**

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



**Highlights**

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

**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
- PUREVISION low dose detector
- 0.5 s rotation
- 3.2 cm coverage
- Up to 32 slices/rotation
- 300 kg patient table
- SEMAR (Metal Artefact Reduction)
- SUREStart iterative bolus tracking
- Respiratory gating
- Iterative 3D Fluoro
- Oncology table top

# Computed Tomography

## Oncology CT

**Siemens Healthineers · Somatom Edge Plus**

<b>Power</b> 100 kW	<b>Gantry bore</b> 78 cm	<b>Scan speed</b> 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

**Siemens Healthineers · Somatom Confidence RT Pro**

<b>Power</b> Up to 100 kW	<b>Gantry bore</b> 80 cm	<b>Scan speed</b> Up to 96 mm/s
------------------------------	-----------------------------	------------------------------------




**Highlights**

- DirectDensity allows images of any kV value to be used in the TPS without the need of several calibration curves
- Enable visualization up to 80 cm bore size with HD FoV Pro
- Precise reduction of metal artifacts with iMAR
- Improve visualization with Dual Spiral Dual Energy
- Leverage your ability to be more accurate with iterative reconstruction
- Slices per rotation: 20/64
- Detector: Stellar RT
- Dual Spiral Dual Energy

**Siemens Healthineers · Somatom go.Open Pro**

<b>Power</b> 75 kW	<b>Gantry bore</b> 85 cm	<b>Scan speed</b> 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**

<b>Power</b> 75 kW	<b>Gantry bore</b> 85 cm	<b>Scan speed</b> 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 technologies to increase efficiency and patient satisfaction
- 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**

<b>Power</b> 32 kW	<b>Gantry bore</b> 70 cm	<b>Scan speed</b> Up to 42 mm/s
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**Highlights**

- The mobile workflow brings an unparalleled level of flexibility and mobility to daily CT routines
- GO technologies help standardize and simplify the simulation process
- Stellar detector keeps electronic noise low, increases dose efficiency, and improves spatial resolution
- Tin Filter (Sn) cuts out lower energies to reduce dose and optimizes contrast at the interface between soft tissue and air
- The dedicated Patient Table RT is fully compliant with AAPM TG-66, compatible
- Guide&GO is an intuitive tablet-based solution for CT-guided interventions

## 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.



Accessories / Complementary Systems

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
  - Include 24/7/365 technical support
  - Tube stocks at major airport hubs in the United States, Europe and Asia

Dunlee · Components Bundle for CT



**Highlights**

- The Xpert bundle with CT8000 meets your needs for an ideal integration into high-end CT systems
- Consists of an X-ray tube, generator, cooling unit and cables
- For a fast integration into your development process to speed up the time to market
- Extraordinary image quality combined with wide coverage

# NEWTOM 5G XL EXTRA.VISION

[www.newtom.it](http://www.newtom.it)



## CUTTING EDGE PERFORMANCE FOR ADVANCED DIAGNOSTICS.

Advanced diagnostics with 5G XL, the only CBCT device with lying down patient positioning that offers excellent stabilisation and a broad range of FOVs for very high quality 3D and 2D images. 5G XL is the first device with native FOV 21 x 19 cm for highly detailed investigations. The ideal device that produces clear, high definition images for orthopaedics, otorhinolaryngology, maxillofacial surgery and dentistry applications.

**SUPERIOR DIAGNOSTIC QUALITY** Very high resolution 2D and 3D images with a broad range of FOV for an extensive selection of clinical applications.

**OPTIMAL LYING DOWN POSITION** The only CBCT system with patient lying down positioning, a motor-driven patient table and an open gantry. Perfect patient stabilisation considerably reduces any movement-induced artifacts.

**LOW X-RAY DOSE** The ECO Scan mode and SafeBeam™ technology offered by 5G XL further reduce the dose radiated to the patient, compared to examinations performed with CT technology.

**SPECIALIST SOFTWARE** The adaptive user interface displays images and provides access to innovative 3D and 2D analysis functions for rapid and accurate diagnoses and optimal workflow.

ECR 2020 - Vienna · AUSTRIA  
15-19 JULY  
EXPO X1 BOOTH N. 111  
AUSTRIA CENTER VIENNA (ACV)  
Bruno Kreisky-Platz 1, 1220 Vienna

Cone Beam 3D Imaging  
**NewTom**  
what's next

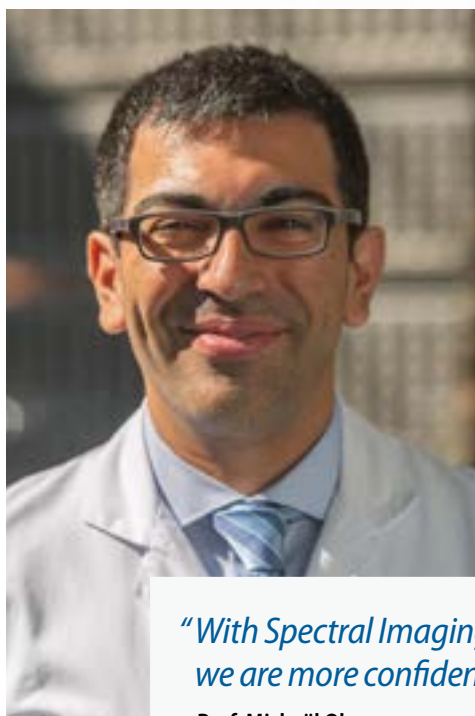
# The power of the new Aquilion ONE / PRISM Edition

Since its global launch in December 2019, the Aquilion ONE / PRISM Edition has been making waves all around the world particularly with its Advanced intelligent Clear-IQ Engine (AiCE), Deep Learning Spectral and CT fluoroscopy capabilities. To find out more about what our customers think, we sat down with leading clinicians from two-prestigious institutions, Radboud University Medical Center (the Netherlands) and Strasbourg University Hospital (France), for an in-depth review of the CT system that's designed for deep intelligence.

One of the most exciting features of the PRISM is our Advanced intelligent Clear-IQ Engine (AiCE), a cutting-edge Deep Learning Reconstruction technology that's been trained to reduce noise and boost signal to deliver sharp, clear and distinct images at speed.

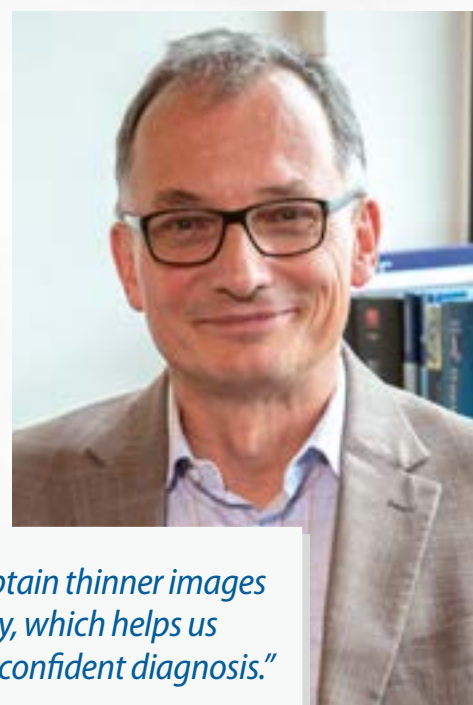
#### Can you tell us a bit about how your teams have adopted AiCE?

**Prof. Ohana:** We weren't sure in the beginning whether to use AiCE for specific applications or as an additional reconstruction, so we tried it with the first patients. The difference with AIDR 3D was so immense that we decided, ok, let's use it for every patient.



*"With Spectral Imaging, we are more confident."*

**Prof. Mickaël Ohana,**  
Radiologist, Strasbourg University Hospital, France



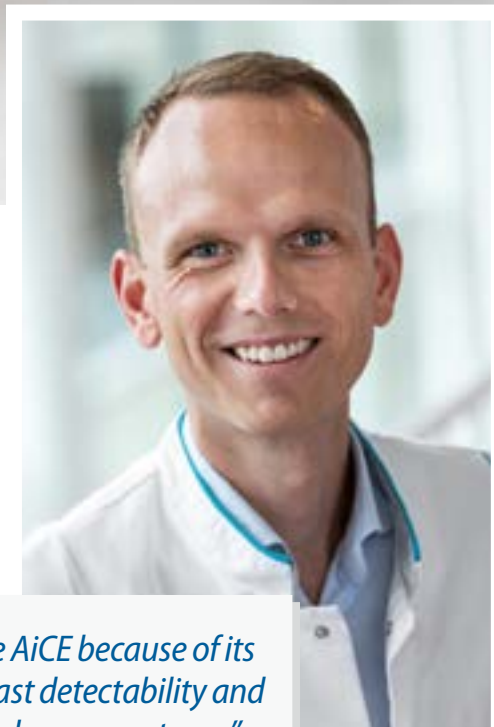
*"AiCE lets us obtain thinner images at high quality, which helps us make a more confident diagnosis."*

**Prof. Mathias Prokop**  
Head of Radiology, Radboud University Medical Center, the Netherlands

**Prof. Prokop:** Our people accepted AiCE extremely quickly and have used it immediately for most applications.

#### What's the most significant difference that AiCE has made to your practice?

**Prof. Prokop:** AiCE lets us obtain thinner images at high quality, which helps us make a more confident diagnosis. When you're looking at complex cases in which you have to focus on detail, your confidence goes up.



**Dr. Smit:** I really like AiCE because of its low contrast detectability, especially with liver lesions or peritoneal metastases. Also, the contours are much sharper, which helps with the delineation of bowels, to assess fat stranding, or to see if a tumour is infiltrating another tissue.

**What about dose, have you seen any benefits there?**

**Dr. Smit:** Because AiCE is integrated in the automatic exposure control, there's no guessing on how low the dose should be. It's just about switching on the button for dose reduction. I generally check the dose report for every scan, and I'm often surprised at how low the dose is.

**Prof. Prokop:** We wanted to move on from using morphological information, like in the past, to using more functional information, and we wanted to do that using the lowest possible dose and in a repeatable, reproducible fashion. AiCE lets us do that. ▶

*"I really like AiCE because of its low contrast detectability and the much sharper contours."*

**Dr. Ewoud Smit**

Radiologist, Radboud University Medical Center, the Netherlands





Radiology Team Strasbourg University Hospital, France



*“The image quality is excellent with the new PRISM Edition.”*

**Prof. Catherine Roy**  
Radiologist, Strasbourg University Hospital, France

### Spectral Imaging: Improved quality and workflow

In addition to AiCE, the new Aquilion ONE / PRISM Edition features advanced spectral imaging to improve workflow and help reduce patient iodine load. Images can be analysed directly at the workstation with a range of new Vitrea applications.

### Have you seen an overall reduction in iodine load?

**Prof. Roy:** That’s the main application in our department and all around the world. Spectral imaging means that we’re now able to use a contrast agent of 270 mg I/mL instead of staying in the 400 mg I/mL range. Plus, you can still see everything perfectly, with all the tiny details. This is a user-point that still amazes me.

### Have you noticed an improvement in tissue classification?

**Prof. Ohana:** In oncology imaging, we sometimes have subtle lesions. With spectral imaging, we are more confident and can see if there is or isn’t contrast uptake in these lesions. Spectral imaging is also more specific, mostly for gout or kidney stones. We are able to characterize the tissue and give more specific answers to the clinician.

### What about workflow, is that better?

**Prof. Ohana:** Acquisition time is the same as a single energy examination; there’s no difference in terms of timing. But also, speed of reconstruction is almost the same.

### CT Fluoroscopy: More control where you need it

The new Aquilion ONE / PRISM Edition features a hybrid CT Fluoroscopy interface that enables one-handed operation with ergonomically designed controls and a versatile touchscreen tablet.

### Has the new CT Fluoroscopy panel made things easier for your team?

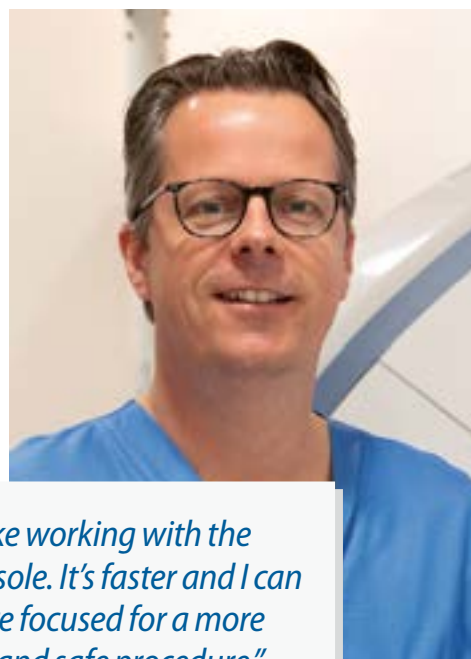
**Dr. Jenniskens:** I really like working with the new console because it’s faster and I have everything under my control. I have an overview of the whole process and can stay more focused for a more efficient and safe procedure.

**Prof. Prokop:** It’s important to control the system from inside to do what you want quickly and without too much hassle. The Aquilion ONE PRISM Edition offers more flexibility for improved control and safety during the procedure.

### Are there any benefits for the patient?

**Dr. Jenniskens:** Absolutely. You can now stay close to the patient, which is more comfortable for everyone. Patients also benefit from the new console because the procedure can be expedited, and they can be out of the room earlier.

[www.canon-europe.com/medical](http://www.canon-europe.com/medical)



*“I really like working with the new console. It’s faster and I can stay more focused for a more efficient and safe procedure.”*

**Dr. Sjoerd Jenniskens**  
Radiologist, Radboud University Medical Center, the Netherlands.



Accessories / Complementary Systems

Febromed · Get Up

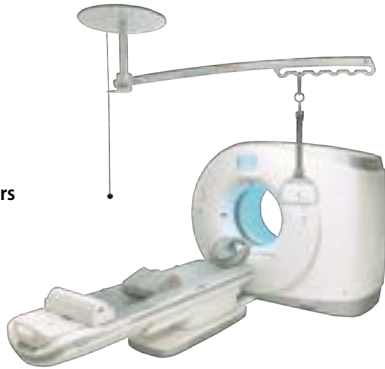
The swivelling handle system for radiology offers the following highlights:

For the patients

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

For the staff

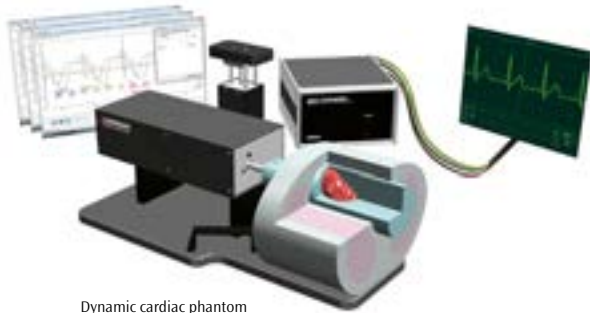
- Ergonomic working
- Reduced physical workload
- Fast changing of the sling



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

BEYOND SOLUTIONS



DUNLEE IS YOUR PARTNER NOW AND IN THE FUTURE

Dunlee announces a new product development: a CT replacement tube with liquid metal bearing. The new tube will join the popular DA200Ultra and DA200P40 tubes in the DA200 Series product portfolio. Now and in the future, you can rely on Dunlee's CT replacement tubes as an excellent, cost-effective solution and as an alternative to OEM tubes.



DA200ULTRA



DA200P40



Cutted Model: Insert with Liquid Metal Bearing

Visit [dunlee.com](http://dunlee.com) to learn more

DUNLEE

# ■ Computed Tomography

## Accessories / Complementary Systems

### Leoni · Cable Systems



#### Highlights

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

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

### PTW · Nomex Dosemeter



#### Highlights

- Diagnostic dosimeter, CE marked, class IIb certified, fully compliant with IEC 61674
- Suitable for CTDI measurements according to IEC 60601-2-44 using a 100 or 300 mm CT ion chamber
- Data and waveform export to Excel via USB or Bluetooth
- Accessories: CTDI head and/or body phantoms, CE marked, class I certified

### Ultrasound Technologies · MedicCO<sub>2</sub>LON



#### Highlights

Colonic Insufflator for CT Colonography.

The MedicCO<sub>2</sub>LON provides automated colonic distension with CO<sub>2</sub> 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

### 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 Light-Speed 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.

Varex Imaging

# Service Solutions Group

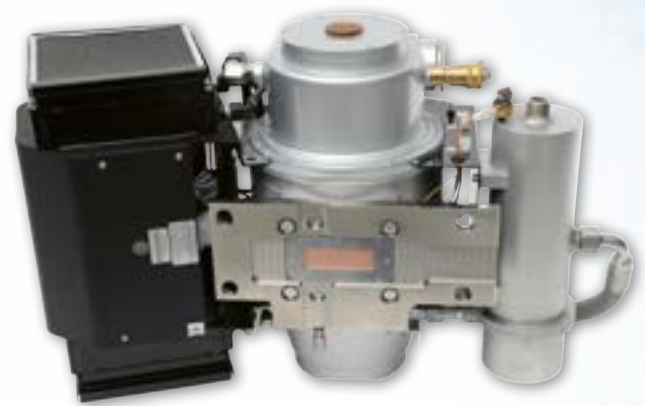


*"The Varex Imaging Service Solutions Group provides world class imaging components and services. We deliver cost effective service components and support, enabling Varex customers to lower their cost to service X-ray Diagnostic imaging systems and optimize asset life cycles. Leveraging our global presence and service centers, Varex Imaging supports our customers servicing X-ray imaging systems around the world."*

DAVID HURLOCK, Services Solutions Group

At Varex Imaging, we aren't just a supplier to our customers. We want to be an extension of their teams; a partner in their success; and to provide solutions to their challenges. We facilitate our customers' ability to provide world class service. Our knowledge, our people, our innovation and our 65+ year history of dedication to the X-ray imaging industry, make us who we are. At Varex Imaging, we have Solutions in Sight.

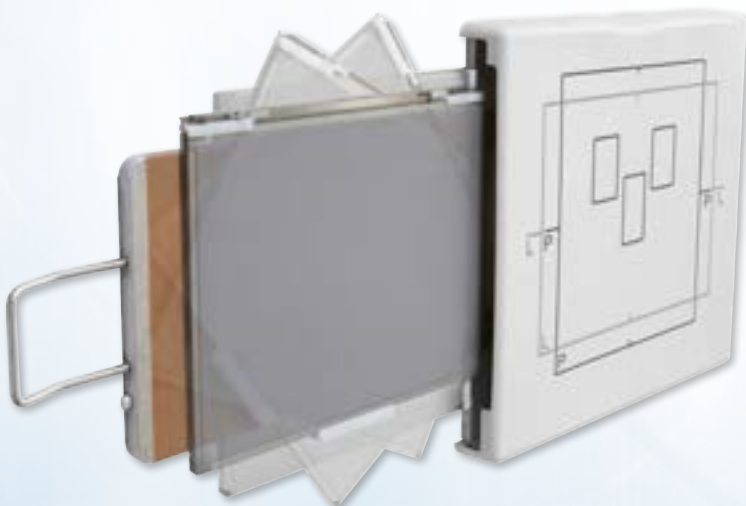
Varex Imaging Corporation's Service Solutions team account managers and support engineers focus on customers who service X-ray imaging equipment. Recognizing our customers' challenges, Varex Imaging provides cost effective components, technical support, and training to enable our customers to provide value in today's competitive healthcare service market.



Varex Imaging Corporation recently acquired Reliable Healthcare Imaging Technology to broaden our range of X-ray tubes, and deepen our technical support resources. This acquisition adds expertise in preowned X-ray tubes that have been refurbished, system tested, and include a detailed system performance report.

The Service Solutions Group provides support to enhance our customers' ability to service systems with Varex components:

- A wide range of new X-ray tubes for Rad, R/F and CT applications
- Refurbished certified preowned X-ray tubes
- High voltage components for CT
- X-ray tube installation or installation support
- inventory in regional stocking locations
- Industry leading digital radiography upgrade packages and DR flat panel detectors



[www.vareximaging.com](http://www.vareximaging.com)

# Magnetic Resonance Imaging

PET MR  
7 Tesla  
3 Tesla  
1.5 Tesla  
Oncology  
Open  
MRI Coils  
Accessories /  
Complementary Systems



**Canon**

**DUNLEE**

 **febromed**

**GCTechnology GmbH**

**HITACHI**  
Inspire the Next

**LEONI**

**mindray**



**SIEMENS**  
Healthineers 

**STERNMED**<sup>®</sup>  
we make it possible




## PET MR

**Siemens Healthineers · Biograph mMR**

Gradient	Slewrate	Channels
45 mT/m <sup>1</sup>	200 T/m/s <sup>1</sup>	Up to 102×32

<sup>1</sup>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
- Latest applications available with syngo MR E11 software

## 7 Tesla

**Siemens Healthineers · Magnetom Terra**

Gradient	Slewrate	Channels
80 mT/m <sup>1</sup>	200 T/m/s <sup>1</sup>	Up to 64×64

<sup>1</sup>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
- Latest applications available with syngo MR E12 software
- Additional metabolic information with <sup>23</sup>Na imaging and <sup>31</sup>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 71cm 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 <sup>1</sup>	200 T/m/s <sup>1</sup>	Up to 204×128

<sup>1</sup>Maximum gradient amplitude and slewrate can be applied simultaneously




**Highlights**

- A unique MR design driving innovation in research applications
- Unique scanner 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 performance
- Driving the largest and most active MRI research network
- Latest applications available with syngo MR E11 software

**Siemens Healthineers · Magnetom Vida with BioMatrix**

Gradient	Slewrate	Channels
Up to 60 mT/m <sup>1</sup>	200 T/m/s <sup>1</sup>	Up to 228×128

<sup>1</sup>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<sup>3</sup>
- 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

\* Data on file

**Siemens Healthineers · Magnetom Lumina with BioMatrix**

Gradient	Slewrate	Channels
36 mT/m <sup>1</sup>	200 T/m/s <sup>1</sup>	180×32

<sup>1</sup>Maximum gradient amplitude and slewrate can be applied simultaneously



**Highlights**

- New 3T magnet with 70 cm open bore and large 55×55×50 cm<sup>3</sup> FoV
- Unique BioMatrix technology automatically adjusts to patient biovariability
- New Turbo Suite acceleration packages enable up to 50 percent\* faster clinical routine examinations
- GO technologies powered by artificial intelligence boost patient throughput
- Innovation\*\* – the revolutionary patient infotainment solution
- syngo Virtual Cockpit provides game-changing remote scanning support for standardized results across your MR system fleets

\* Data on file  
\*\* Innovation is still under development and not yet commercially available. Its future availability cannot be guaranteed.

# Magnetic Resonance Imaging

## 3 Tesla

### Siemens Healthineers · Magnetom Spectra

Gradient	Slewrate	Channels
33 mT/m <sup>1</sup>	125 T/m/s <sup>1</sup>	120×24

<sup>1</sup> Maximum gradient amplitude and slewrate can be applied simultaneously



#### Highlights

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

## 1.5 Tesla

### Canon · Vantage Orian 1.5T

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



#### Highlights

- Patient friendly 71cm 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

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
- Silent scanning with acoustic noise reduction system Pianissimo Σ
- Low couchtop of 45 cm for easy patient access
- Full range of non-contrast MR angiography techniques
- Intuitive M-Power graphical user interface
- Increased productivity with Computed MRI by Olea Nova+
- 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 <sup>1</sup>	200 T/m/s <sup>1</sup>	204×64

<sup>1</sup> 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\*

\* Data on file, results may vary

1.5 Tesla

**Siemens Healthineers · Magnetom Sola with BioMatrix**


Gradient	Slewrate	Channels
Up to 45 mT/m <sup>1</sup>	Up to 200 T/m/s <sup>1</sup>	Up to 204 × 64

<sup>1</sup> Maximum gradient amplitude and slewrate can be applied simultaneously

**Highlights**

- First 1.5T BioMatrix system, 70cm open bore, and large 50×50×50cm<sup>3</sup> FoV
- New BioMatrix sensors for increased consistency – capturing respiratory, cardiac\*\*, and head motion
- Expanded BioMatrix tuners for excellent homogeneity – adapting to challenging body regions
- Enriched BioMatrix Interfaces to ease patient preparation – enabling 30 percent faster patient positioning\*
- Up to 50 percent\* faster routine exams with Simultaneous Multi-Slice and Compressed Sensing acceleration

\* Data on file, results may vary. \*\* Cardiac Triggering is still under development and not commercially available yet. Its future availability cannot be ensured.




**Siemens Healthineers · Magnetom Amira**

Gradient	Slewrate	Channels
33 mT/m <sup>1</sup>	125 T/m/s <sup>1</sup>	96 × 16

<sup>1</sup> 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
- Latest applications available with syngo MR XA12 software such as Compressed Sensing, SMS, and many more



# Accutron<sup>®</sup> HP-D

**DVI-interface between Accutron<sup>®</sup> HP-D and monitors**

- ( Improved workflow in angiography!
- ( Improved security for the patient!
- ( The injector itself remains wireless and mobile!



**180°**

**For Philips & Siemens angiography devices!**

Contrast medium injectors and consumables for CT, MRI and angiography

Hauptstr. 255 · 66128 Saarbruecken  
For more info: [www.medtron.com](http://www.medtron.com)

## MED (TRON<sup>®</sup> AG

# Magnetic Resonance Imaging

## 1.5 Tesla

**Siemens Healthineers · Magnetom Altea with BioMatrix**


Gradient	Slewrate	Channels
33 mT/m <sup>1</sup>	125 T/m/s <sup>1</sup>	180×32

<sup>1</sup> Maximum gradient amplitude and slewrate can be applied simultaneously

**Highlights**

- New 1.5T magnet, 70 cm open bore, and large 50×50×50cm<sup>3</sup> FoV
- Unique BioMatrix technology automatically adjusts to patient biovariability
- New Turbo Suite acceleration packages enable up to 50 percent\* faster clinical routine examinations
- GO technologies powered by artificial intelligence boost patient throughput
- InnoVision\*\* – the revolutionary patient infotainment solution
- syngo Virtual Cockpit provides game-changing remote scanning support for standardized results across your MR system fleets

\* Data on file  
\*\* InnoVision is still under development and not yet commercially available. Its future availability cannot be guaranteed




**Siemens Healthineers · Magnetom Amira with BioMatrix**

Gradient	Slewrate	Channels
33 mT/m <sup>1</sup>	125 T/m/s <sup>1</sup>	Up to 96×24

<sup>1</sup> 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




**Siemens Healthineers · Magnetom Sempra**

Gradient	Slewrate	Channels
30 mT/m <sup>1</sup>	100 T/m/s <sup>1</sup>	Up to 96×16

<sup>1</sup> 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

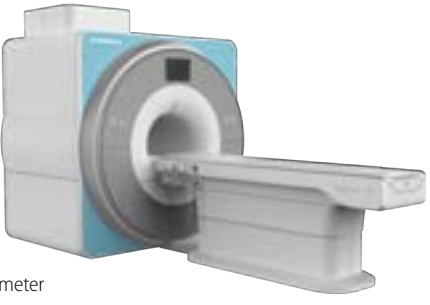


**SternMed · Marcom 1.5T**

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

**Highlights**

- Short cavity magnet with zero helium consumption
- Fully digitalized multi-channel spectrometer
- 4K 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




## Oncology

**Siemens Healthineers · Magnetom RT Pro edition**

**Highlights**

- Support precision in radiotherapy 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), an MR compatible laser bridge (LAP), and a large variety of flexible coils
- Rely on intuitive and dedicated RT workflows with the RT Dot Engine and the RT Image Suite
- Enable an MR-only RT planning workflow with the RT Dot Engine and RT Image Suite's Synthetic CT feature



## Open

**Hitachi · Aperto Lucent O5**

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
- Newly developed built-in technologies keep Aperto Lucent delivering image quality comparable with entry level HF MRI scanner
- Fast processing chain allows increasing patient throughput
- Reduced running costs allowing fast return of investment
- Field strength: 0.4 T





## Open

**Hitachi · Airis Vento O5**

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
- High magnetic field homogeneity
- 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

**Mindray Medical · MagSense 360 MRI System**

Gradient	Slewrate	Channels
25 mT/m	60 T/m/s	2




**Highlights**

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

**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

## MRI Coils

### Noras · Encompass 15-Channel Headcoil\*

Field strength	Channels	System platform
3 T	15	Siemens



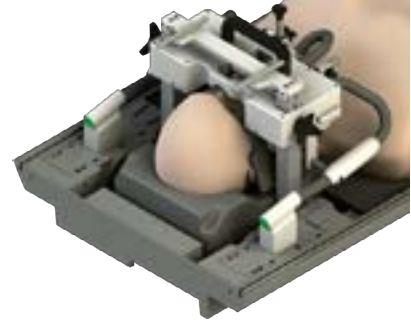
#### Highlights

- 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

\*in development

### Noras · Mandibula 15-Channel Dental Coil

Field strength	Channels	System platform
3 T	15	Siemens

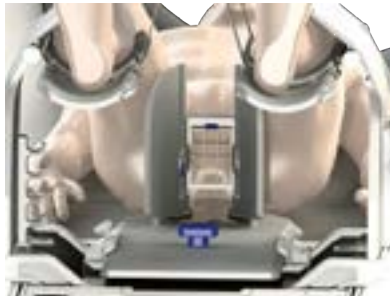


#### Highlights

- 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



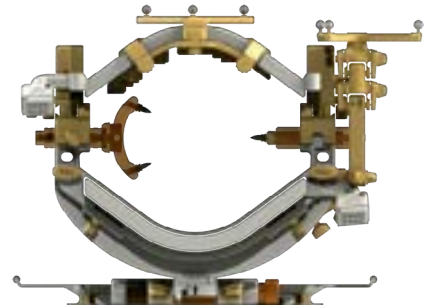
#### Highlights

- 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

### Noras · OR Head Holder Lucy & OR Head Coil

Field strength	Channels	System platform
1.5/3 T	8	Siemens

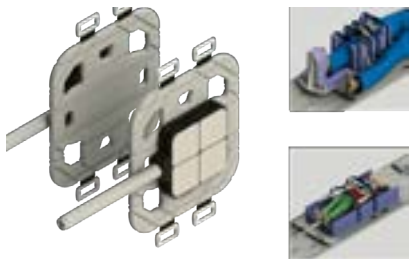


#### Highlights

- 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
- Brainlab AIR Support

### Noras · Variety 16-Channel Multipurpose Coil

Field strength	Channels	System platform
1.5/3 T	16 (2x8)	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

Accessories / Complementary Systems

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

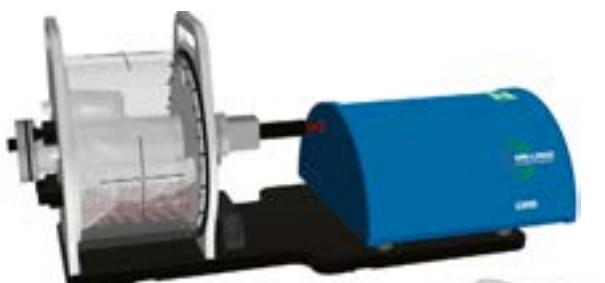


**The swivelling handle system for radiology offers the following highlights:**

- 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

Leoni · Cable Systems



**Highlights**

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

# Injectors

BRACCO  
INJENEERING

Guerbet | 

MED (TRON<sup>®</sup>) AG



**Injectors**


**Bracco · CT Expres**

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 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 <sup>1</sup> / 5.2 – 21 bar <sup>2</sup>	0.1 – 40 ml/s <sup>1</sup> / 0.1 – 10 ml/s <sup>2</sup>

**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*      <sup>1</sup> Angio mode/<sup>2</sup>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
- Timing bolus
- Colour touchscreen
- Vein test (patency check)
- Variable drip mode
- 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 pre-filled 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 uncompromised efficiency & patient safety

- Newly designed interface software
- 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

**Medtron · Accutron HP-D**

Application	Pressure	FlowRate
CT	83 bar <sup>1</sup> / 21 bar <sup>2</sup>	0.1 – 30 ml / s <sup>1</sup> / 0.1 – 10 ml / s <sup>2</sup>

**Highlights**

- Updated design: Injection information visible from both sides of the operating table
- The perfect companion for your advanced imaging procedures
- Designed for C-arm cone beam CT sequences
- Optimized for flat detector CT imaging
- Improved venous explorations
- Wireless injector with rechargeable batteries
- Capacity: 200 ml (CM), 200 ml (NaCl)
- Syringe: Automatic or manual filling, filling speed 1 – 4 ml / s, opt. high-pressure tube systems with check valve
- High level of integration into your imaging environment




<sup>1</sup>Angio mode / <sup>2</sup>CT mode

**Medtron · Accutron MR**

Application	Pressure	FlowRate
MR	21 bar	0.1 – 10 ml

**Highlights**

- Validated for 7 Tesla
- Wireless injector with rechargeable batteries
- Touchscreen control panel with different languages
- Wireless touchscreen remote control
- Up to six phases – secured injection position
- Use of pre-filled syringes (as an option)
- Keep-vein-open (KVO) software feature
- Alternatively, input of flow rate or phase duration
- Injection parameter monitoring
- Two remote controls for a cost efficient solution
- Capacity: 64 ml or 200 ml (CM), 64 ml or 200 ml (NaCl)
- Syringe: Automatic or manual filling, filling speed 1 – 5 ml / s, optimized tube systems with check valve




**Medtron · Accutron MR3**

Application	Pressure	FlowRate
MR	21 bar	0.1 – 10 ml / s <sup>1</sup> / 0.001 – 30 ml / s <sup>2</sup>

**Highlights**

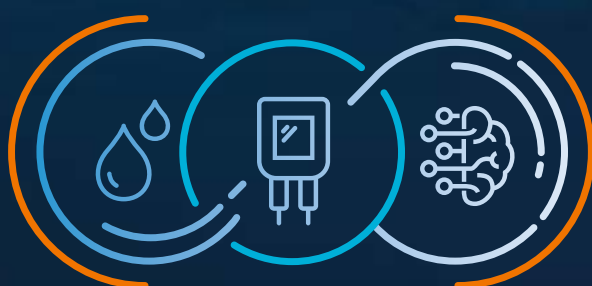
- Contrast medium injector with integrated infusion pump
- Infusion of medication even during the MR-examination
- Perfectly suitable for cardiac stress exams
- MPRO Assist (Medtron ProfilAssistent) simplifies dose calculation for Cardiac Stress MR-exams
- Extended compatibility with contrast pre-filled syringes
- Capacity: 64 ml (CM), 200 ml (NaCl), 50 ml (Infusion pump)
- Automatic or manual filling, filling speed 1 – 4 ml / s, optimized tube systems with check valve



<sup>1</sup>CM/NaCl / <sup>2</sup>Infusion pump

# THE INTERCONNECTED SOLUTIONS COME TO LIFE

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## UNIK

Tailored interconnected solutions driving your journey to excellence

**Guerbet Diagnostic Imaging** has designed a portfolio of **interconnected contrast imaging solutions** to enhance your decision-making at each point of the patient journey from diagnosis, to treatment, to follow-up, so you can focus on what matters most, efficiently improving patient outcomes. This is UNIK.

# Injectors

## Injectors

**Medtron · Accutron CT**

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



**Highlights**

- Integrated heated syringe holder with Easy Loading Syringe (ELS) 200 ml
- Touchscreen control panel with different languages
- Wireless touchscreen remote control
- Secured injection position (built-in sensor)
- Aluminium housing
- Use of prefilled syringes (as an option)
- Capacity: 200 ml
- Syringe: Automatic or manual filling, filling speed 1 – 5 ml/s, optimized tube systems with check valve

**Medtron · Accutron CT-D**

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




**Highlights**

- Wireless injector with rechargeable batteries
- Integrated heated syringe holder for Easy Loading Syringe (ELS)
- Wireless touchscreen remote control
- Use of prefilled syringes (as an option)
- Pre-Inject to help avoid contrast extravasation
- Intelligent battery management and liquid proof design
- At-a-glance visualisation of injection parameters and status
- Aluminium housing – wall or ceiling suspension
- CANopen, Class 4 or Philips interfaces (as an option)
- Capacity: 200 ml (CM), 200 ml (NaCl)
- Syringe: Automatic or manual filling, filling speed 1 – 5 ml/s, optimized tube systems with check valve

**Medtron · Accutron HP**

Application	Pressure	FlowRate
CT	83 bar <sup>1</sup> / 21 bar <sup>2</sup>	0.1–30 ml/s <sup>1</sup> / 0.1–10 ml/s <sup>2</sup>



**Highlights**

- Fast high-pressure injections for angiography and multiphase injection profiles for CT
- Wireless injector with rechargeable batteries
- Wireless touchscreen remote control (option)
- Wall or ceiling suspension system
- Integrated heated syringe holder for Easy Loading Syringe (ESL) 200 ml
- 120 injection profiles can be stored (60 angio / 60 CT)
- Aluminium housing – Interface (option)
- Capacity: 200 ml
- Syringe: Automatic or manual filling, filling speed 1 – 4 ml/s, opt. high-pressure tube systems with check valve

<sup>1</sup>Angio mode / <sup>2</sup>CT mode

## Accessories / Complementary Systems

**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

**Canon**

**Canon**  
CANON ELECTRON TUBES & DEVICES CO., LTD.

Multi Modality Suites  
Bi-Plane  
Single Plane  
Surgical Flat Panel C-Arms  
Surgical II-C-Arms  
Accessories /  
Complementary Systems

**DEL MEDICAL**

 **GMMGROUP**

**GCTechnology GmbH**

**DK<sup>+</sup> Medical Systems**



 **SHIMADZU**  
Excellence in Science

*Primax*  
international

**Medtronic**  
Further, Together

 **STEPHANIX**  
MEDICAL IMAGING SOLUTIONS

**SIEMENS**  
**Healthineers**



**STERNMED**  
we make it possible

 **ziehm imaging**

## Multi Modality Suites

### Canon · Alphenix 4D CT

<b>Power</b> 100 kW	<b>Detector</b> a-Si / Csl	<b>Pixel size</b> 194 μm
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#### 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:
- 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
- Interventional Oncology

### Siemens Healthineers · nexaris Angio-CT

<b>Power</b> 100 kW	<b>Detector</b> a-Si / Csl	<b>Pixel size</b> 160 μm
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#### Highlights

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

### Siemens Healthineers · nexaris Angio-MR-CT

<b>Power</b> 100 kW	<b>Detector</b> a-Si / Csl	<b>Pixel size</b> 160 μm
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#### Highlights

- Unprecedented imaging capabilities with all the advantages of angiography, MR, and CT imaging
- Patient transfer without repositioning for barrier-free intraoperative imaging
- Innovative treatments that combine multiple imaging modalities in a single procedure

## Bi-Plane

### Canon · Alphenix Biplane

<b>Power</b> 100 kW	<b>Detector</b> a-Si / Csl	<b>Pixel size</b> 194 μm
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#### Highlights

- Cardio intervention demands speed, precision, and optimum performance. The Alphenix Bi-plane is designed to take advantage of the latest technological innovations to reduce dose for patients and staff.
- A revolutionary graphic user interface and multi-tasking computer enable the system to fully meet your requirement for high image quality, safety, ease of use, efficiency and improved workflow.
- Detector size: 20 × 20 cm

### Canon · Alphenix Dual Plane

<b>Power</b> 100 kW	<b>Detector</b> a-Si / Csl	<b>Pixel size</b> 194 μm
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#### 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

### Canon · Alphenix Biplane

<b>Power</b> 100 kW	<b>Detector</b> CMOS / a-Si / Csl	<b>Pixel size</b> 76 / 194 μm
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#### Highlights

- Vascular intervention demands speed, precision, and optimum performance. The Alphenix Bi-plane is designed to take advantage of the latest technological innovations to reduce dose for patients and staff.
- A revolutionary graphic user interface and multi-tasking computer enable the system to fully meet your requirement for high image quality, safety, ease of use, efficiency and improved workflow.
- Detector size: 30 × 30 cm / 30 × 40 cm

**Bi-Plane**

**Shimadzu · Trinias B12/ B8 unity edition**

<b>Power</b> 2× 100 kW	<b>Detector</b> a-Si/ CsI	<b>Pixel size</b> 194 μm
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**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**

<b>Power</b> 100 kW	<b>Detector</b> a-Si/ CsI	<b>Pixel size</b> 184 μm
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**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



**Single Plane**

**Canon · Alphenix Hybrid+**

<b>Power</b> 100 kW	<b>Detector</b> a-Si/ CsI	<b>Pixel size</b> 194 μm
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**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

**Canon · Alphenix Hybrid**

<b>Power</b> 100 kW	<b>Detector</b> a-Si/ CsI	<b>Pixel size</b> 194 μm
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**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 Core+**

<b>Power</b> 100 kW	<b>Detector</b> CMOS / a-Si/ CsI	<b>Pixel size</b> 76 / 194 μm
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**Highlights**

Vascular 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, high efficiency and improved workflow.

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

**Canon · Alphenix Core+**

<b>Power</b> 100 kW	<b>Detector</b> a-Si/ CsI	<b>Pixel size</b> 194 μm
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**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

## Single Plane

### Canon · Alphenix Core

<b>Power</b> 100 kW	<b>Detector</b> a-Si / Csl	<b>Pixel size</b> 194 μm
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#### 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

### Canon · Alphenix Sky+

<b>Power</b> 100 kW	<b>Detector</b> a-Si / Csl	<b>Pixel size</b> 194 μm
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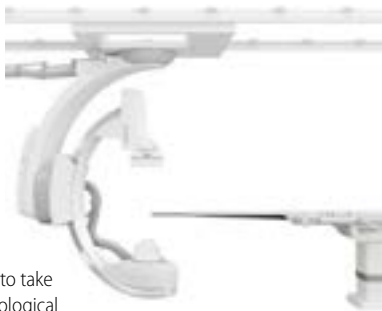
#### Highlights

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 Rite Edition incorporates state-of-the-art technologies allowing whole 3D body coverage at 80° / sec covering a range of 210°, from head to toe without any patient or table movement and free head access.

- Detector size: 30 × 40 cm

### Canon · Alphenix Sky

<b>Power</b> 100 kW	<b>Detector</b> a-Si / Csl	<b>Pixel size</b> 194 μm
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#### 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

<b>Power</b> 100 kW	<b>Detector</b> a-Si / Csl	<b>Pixel size</b> 194 μm
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#### 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

### Shimadzu · Trinius C16 / C12 / C8 unity edition

<b>Power</b> 100 kW	<b>Detector</b> a-Si / Csl	<b>Pixel size</b> 194 μm
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#### 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 · Trinius C12 unity hybrid edition

<b>Power</b> 100 kW	<b>Detector</b> a-Si / Csl	<b>Pixel size</b> 194 μm
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#### 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



Single Plane

**Shimadzu · Trinias F12/F8 unity edition**

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



**Highlights**

Artis pheno delivers the right images for preprocedural planning, intraoperative guidance, and immediate assessment

- Detector: zen40HDR, hi-res crystalline silicon / Csl, 30 × 40 (2,496 × 1,856 px), 160 µm
- Optimal treatment of any patient virtually regardless of patient size, condition, or positioning needs
- Lower complication rates and improved outcomes even in most complex procedures
- Designed to support infection control measures to maintain highest standards for infection control

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

Power	Detector	Pixel size
100 kW	a-Si / Csl	154 / 160 / 180 µm




**Highlights**

The Artis ceiling-mounted system enables clinicians to care with greater 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

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

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




**Highlights**

The Artis floor-mounted system enables clinicians to care with greater 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 / Csl	154 µm




**Highlights**

Artis zee multi-purpose is designed to meet the demands of interventional radiology and fluoroscopy. The system left suspension meets the needs of endoscopic applications in gastroenterology

- Detector: 30 × 40 (1,920 × 2,480 pixels), 154 µm
- Ergonomic system controls for smooth table-side operation
- 2k 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 / Csl	184 µm



**Highlights**

Intelligent operation is enhanced by a configurable head up display, allowing you to interact with the system in a completely new, intuitive way.

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

## Surgical Flat Panel C-Arms

### GMM Group · Symbol FP – Mobile C-Arm system

<b>Power</b> 20 kW	<b>Detector</b> a-Si	<b>Pixel size</b> 154 μm – 184 μm
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#### 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

<b>Power</b> 30 kW	<b>Detector</b> a-Si / Csl	<b>Pixel size</b> ---
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#### 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 also with Image Intensifier, 9" or 13" (max frames/sec: 30)

### Medtronic · O-arm system

<b>Power</b> 32 kW	<b>Detector</b> a-Si - 2.0K × 1.5K	<b>Pixel size</b> 194 μm
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#### Highlights

- Designed for surgery
- 13s true 360° 3D scan – Fully mobile
- Flexible intra-operative 2D- and 3D-imaging
- Large 2D-image size and large 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
- Detector size: 30 × 40 cm

### PrimaX International · Cyberbloc FP

<b>Power</b> 5/20 kW	<b>Detector</b> a-Si / Csl	<b>Pixel size</b> 154 μm
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#### Highlights

- Latest generation flat panels and high-end imaging software, to grant the best image quality at the minimum dose
- Lightweight yet strong, thanks to selected materials: light alloys, carbon fiber, polyurethane and special polymers
- Smart power management for long procedures
- Thanks to our unique multi-touch console and live imaging, operator always has direct control over the surgical procedure, from any side.
- Available with 30 × 30 cm and 21 × 21 cm flat panels

### PrimaX International · Cyberbloc FP-S

<b>Power</b> 5 kW	<b>Detector</b> a-Si / Csl	<b>Pixel size</b> 194 μm
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#### Highlights

- Powerful mobile fluoroscopy system designed for a wide range of surgical applications
- It features an all-in-one concept, with all components integrated in the C-arm stand, providing greater ergonomics and comfort for the operator
- Lightweight structure for quick positioning
- Full touch user interface for easy operation
- Available with 30 × 30 cm and 21 × 21 cm flat panels

### Siemens Healthineers · Cios Spin

<b>Power</b> 12/25 kW	<b>Detector</b> 30 × 30 cm	<b>Pixel size</b> 152 μm
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#### Highlights

- More certainty in demanding cases with precise intraoperative quality control based on 3D technology
- More efficiency in intraoperative 3D with Easy 3D package
- More cost-effectiveness in surgery through intraoperative corrections based on 3D images

**Surgical Flat Panel C-Arms**

**Siemens Healthineers · Cios Alpha**

<b>Power</b> 12 / 25 kW	<b>Detector</b> 20 × 20 / 30 × 30 cm	<b>Pixel size</b> 152 μm
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**Highlights**  
See the power with Full View FD

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

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

**Siemens Healthineers · Cios Fusion**

<b>Power</b> 23 kW	<b>Detector</b> 20 × 20 / 30 × 30 cm	<b>Pixel size</b> 194 μm
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**Highlights**  
Fuse surgical versatility with Full View FD

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

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

**Stephanix · Omniscope DReam**

<b>Power</b> 5 kW / 20 kW	<b>Detector</b> 21 × 21 cm / 30 × 30 cm	<b>Pixel size</b> 154 μm
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**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 · Omniscope DReam S**

<b>Power</b> 4.2 / 5 kW	<b>Detector</b> 21 × 21 cm / 30 × 30 cm	<b>Pixel size</b> 194 / 205 μm
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**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**

<b>Power</b> 30 kW	<b>Detector</b> a-Si	<b>Pixel size</b> 200 μm
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**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**

<b>Power</b> 20 kW	<b>Detector</b> 21 × 21 cm / 30 × 30 cm	<b>Pixel size</b> 205 / 194 μm
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**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

<b>Power</b> 25 kW	<b>Detector</b> CMOS / a-Si	<b>Pixel size</b> 100 µm / 194 µm
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#### Highlights

The Ziehm Vision RFD Hybrid Edition\* is a powerful 25 kW mobile C-arm that is also available with CMOS imaging technology to successfully perform during highly demanding interventional cardiovascular procedures – flexible and everywhere – at any time. With its zero room preparation, the comprehensive mobile hybrid solution easily takes your OR to the next level. Plug in your system and start your hybrid procedure.

- 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.

### Ziehm · Vision RFD 3D

<b>Power</b> 25 kW	<b>Detector</b> CMOS / a-Si	<b>Pixel size</b> 100 µm / 194 µm
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#### 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 to minimize fan and metal artifacts in 3D reconstruction, so far only known from CT imaging.

- Detector size: 31 × 31 cm (CMOS) · 30 × 30 cm (a-Si)

### Ziehm · Vision RFD

<b>Power</b> 25 kW	<b>Detector</b> CMOS / a-Si	<b>Pixel size</b> 100 µm / 194 µm
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#### 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

<b>Power</b> 2.4 kW	<b>Detector</b> CMOS / a-Si	<b>Pixel size</b> 100 µm / 150 µm
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#### Highlights

Now in the upgraded CMOS-line\*, 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

<b>Power</b> 2.4 kW	<b>Detector</b> CMOS	<b>Pixel size</b> 100 µm
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#### 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

### Del Medical · Vision R\* by Ziehm

<b>Power</b> 20 kW	<b>II format</b> 23 cm / 31 cm	<b>CCD-matrix</b> 1 k × 1 k
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#### Highlights

- Feature rich mobile surgical fluoroscopy system with high frequency pulsing generator
- 9 inch or optional 12-inch image intensifier
- Powerful 20 kW monoblock generator with rotating anode
- Up to 30 pulses per second for minimizing dose exposure while maximizing image quality

- Advanced Active Cooling – the generator remains at the ideal operating temperature for uninterrupted use
- Dual 19-inch flat screen stand-alone monitor cart and adjustable C-arm mounted touchscreen display


\* Available for US market only



**Surgical II-C-Arms**

**DK Medical · Prostar**

<b>Power</b> 2.2 kW	<b>II format</b> 9"	<b>CCD-matrix</b> 1 k × 1 k
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**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 balanced
- C-arm movement fully counter balanced
- 19" dual monitor (43" monitor is option)

**GMM Group · Symbol – Mobile C-Arm system**

<b>Power</b> 4 kW – 10 kW	<b>II format</b> 9" / 12" / 13"	<b>CCD-matrix</b> 1 k × 1 k
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**Highlights**

- Innovatory mobile C-Arm system for outstanding performances superior image quality in surgical 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 movement with 56° overscan.
- 9" to 13" triple field Image Intensifier, 1K CCD

**Intermedical · "New" Radius**

<b>Power</b> 3,5 / 5 kW	<b>II format</b> 9" / 12"	<b>CCD-matrix</b> 1 k × 1 k
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**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**

<b>Power</b> 3,5 / 5 kW	<b>II format</b> 9"	<b>CCD-matrix</b> 1 k × 1 k
----------------------------	------------------------	--------------------------------



**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**

<b>Power</b> 2 kW	<b>II format</b> 23 / 15 cm	<b>CCD-matrix</b> 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**

<b>Power</b> 2,5 kW	<b>II format</b> 23 cm	<b>CCD-matrix</b> 1 k
------------------------	---------------------------	--------------------------



**Highlights**

Select smart surgical imaging

- 99.8 percent system availability\* – reliability in a smart, lean design
- Smart system operation – with an intuitive user interface
- High image quality – combined with IDEAL dose management

\* Average system availability over the entire Siemens C-Arm installed base

## Surgical II-C-Arms

### Siemens Healthineers · Cios Connect

Power  
2.3 kW

II format  
23 cm

CCD-matrix  
1 k



#### Highlights

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

### Siemens Healthineers · Arcadis Orbic 3D

Power  
2.3 kW

II format  
23 cm

CCD-matrix  
1 k



#### Highlights

- Less revisions – with high quality intraoperative 3D imaging from a full 190° rotating scan
- Save prep and scan time – with truly isocentric design and intuitive 3D user guidance
- Seamless integration with 3D Navigation – through fully digital NaviLink (Option) with major vendors

### Stephanix · Omniscope Series

Power  
Up to 15 kW

II format  
9"/12"

CCD-matrix  
1 k × 1 k



#### Highlights

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

### SternMed · Xenox C200

Power  
5 kW

II format  
9"/12"

CCD-matrix  
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  
3.5 kW

II format  
9"

CCD-matrix  
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  
3.5 – 15 kW

II format  
9"/12"

CCD-matrix  
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 × 1 k camera

**Surgical II-C-Arms**

Ziehm · Vision R		
Power 20 kW	II format 23 cm/31 cm	CCD-matrix 1 k×1 k
		
<p><b>Highlights</b> 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.</p>		

Ziehm · Vision		
Power 2.02 kW	II format 23 cm/31 cm	CCD-matrix 1 k×1 k
		
<p><b>Highlights</b> 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.</p>		

# PRS 500 SERIES

*X-ray technology made in Germany*














**PROTEC GmbH & Co. KG**  
 Contact us: [protec@protec-med.com](mailto:protec@protec-med.com) | Phone: +49 (0) 7062 92 55 0  
 Visit our website: [www.protec-med.com](http://www.protec-med.com)

## Surgical II-C-Arms

### Ziehm · Solo

<b>Power</b> 2.02 kW	<b>II format</b> 23 cm	<b>CCD-matrix</b> 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 , Ø25mm
- Design: For C-Arm

### Canon Electron Tubes & Devices · LM-Angio Tube

<b>Power</b> 100 kW	<b>Capacity</b> 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

<b>Power</b> 100 kW	<b>Capacity</b> 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



# Artificial Intelligence



**Canon**

**FUJIFILM**

mediaire

**mindray**

**SCREENPOINT**  
Medical

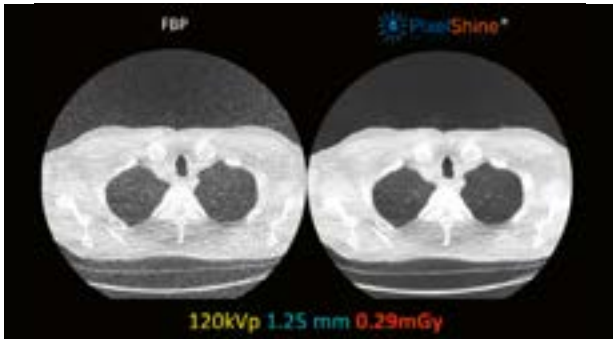
**SIEMENS**  
Healthineers

See the future  
**SIUI**

  
**THERAPIXEL**  
TECHNOLOGY. FOR LIFE. FOR ALL.

Artificial Intelligence

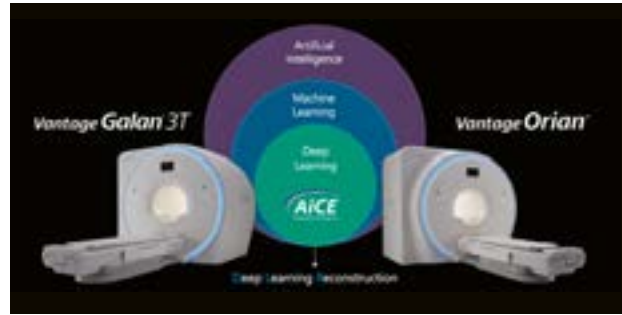
AlgoMedica · PixelShine CT



**Highlights**

PixelShine is an Artificial Neural Networking (ANN) which processes ultra-low-dose images improving quality to emulate high dose images. It is vendor neutral, providing crystal clear, diagnostic quality images across the entire radiology. Improve diagnostic confidence, increase patient safety, substantially lower radiation dose, Integrate without changing radiology workflow.

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.

Fujifilm · REiLI

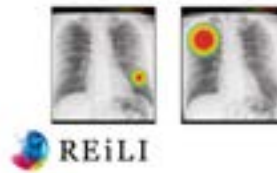


REiLI

**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 augmenting the decision making process.

Fujifilm · Lunit nano



**Highlights**

- Ground breaking compact and lightweight 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
- Major chest abnormalities including nodule, consolidation, pneumothorax, atelectasis, fibrosis, pleural effusion, pneumoperitoneum and mediastinal widening supported
- Integrated AI CAD software Lunit insight CXR-MCA provides abnormality score by heatmap
- Providing an advanced workflow and improved patient care pathway

RAD BOOK 2020

Please visit us at

[www.healthcare-in-europe.com](http://www.healthcare-in-europe.com)

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 which will be newly launched at ECR 2020. Its AI empowered analysis tools, smart cardiopulmonary assessment solution, help to quickly assess patient status under critical care environment. Find Mindray at ECR 2020, Expo X5/543 to explore more.

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 for 2D and 3D, FDA cleared for 2D and pending 3D). Find us at ECR 2020, stand #112, X1.

Siemens Healthineers · AI-Rad Companion



Highlights

The AI-Rad Companion, a family of multi-modality (MRI, CT, X-ray) cloud-based augmented workflow solutions 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.

SIUI · Apogee 6500 Color Doppler Ultrasound Imaging System

Highlights

Apogee 6500 is the best proof of SIUI's perseverant endeavor in ultrasonic innovations throughout the decades. Special features are:

- OB/GYN – Auto OB is a deep learning technology based on deep neural network. It supports intelligent analysis and precise measurement for obstetric images with high efficiency, applicable for the most common measurement items.
- Cardiology – Auto EF automatically measures cardiac volumes based on speckle tracking technology. The system identifies the endocardium and establishes a ROI using an anatomical database. LV EF, ESV, EDV and GLS are calculated at the same time. It provides an effortless and efficient way to acquire accurate 2D EF and volumes, which is a decision supporting tool to cardiac function diagnosis.



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

**RAD** BOOK 2020

Please visit us at

[www.healthcare-in-europe.com](http://www.healthcare-in-europe.com)

# IT Systems

RIS / PACS  
Business Intelligence  
Mammo Workstations  
Pathology  
Portal Solutions  
Mobile RIS / PACS Viewers  
Dose Management Systems  
Accessories /  
Complementary Systems

**AGFA**   
HealthCare

**BMS**  
INFORMATIONSTECHNOLOGIE® GMBH

**BRACCO**  
INJENEERING

**Canon**

**DEL MEDICAL**

**EXAMION**<sup>®</sup>  
X-Ray Systems · Digital Imaging · Service

**FUJIFILM**

**Guerbet** | 

**HOLOGIC**<sup>®</sup>  
  
The Science of Care

 **IMAGE**  
Information Systems

 **i-SOLUTIONS**  
HEALTH

**itz-medi.com**  
PACS & Telemedizin  
 a Telemis company

 **bender gruppe** medigration

 **nexus | chili**  
imaging & radiology solutions

  
**PROTEC**  
TEAM | SPIRIT | ABILITY

**SIEMENS**  
Healthineers 

 **VISARIS**



## RIS / PACS

## 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

## 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.

## Del Medical · EvoView PACS

**Highlights**

- Highly efficient and effective diagnostic image management and storage
- Virtually limitless user customization and accessibility
- Android, Apple, and Windows compatible for image viewing and control on any stationary or mobile workstation device
- Healthcare IT friendly with centralized maintenance control
- Powerful tools and features such as built in RIS, EMR and referring physician portal, permitting easy and secure image sharing
- Supports multiple languages

## 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

## 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 modules allow surgeons & clinicians to plan the most efficient, least invasive surgical activities. Ensuring that patient outcomes are maximised.

## Fujifilm · Synapse 5

**Highlights**

Fully scalable, Synapse PACS can fit small installations, designed to handle few modalities, to the complete management of a regional diagnostic imaging solution. PACS provides one-touch access to all relevant patient information. Synapse makes the most of your infrastructure with Fujifilm's unique patented compression technology. This technology combines high compression ratios without sacrificing image quality. Giving clinicians easy access to all of the relevant tools to provide the most accurate and efficient diagnosis.

	Management		Archiving		Image Distribution			
	RIS	Business Intelligence	Enterprise PACS	VNA	Inhouse	Teleradiology	Portal Solution	Cloud Computing
Agfa HealthCare	●	●	●	●	●	●	●	●
AlgoMedica								
BMS Informationstechnologie								
Bracco Injeneering								
Canon Medical Systems	●	●	●	●	●	●	●	
Del Medical			●		●	●	●	
Examion	●		●	●	●		●	
Fujifilm Medical Systems	●	●	●	●	●	●	●	●
Guerbet								
Image Information Systems	●		●	●	●	●	●	●
i-Solutions Health	●	●						
ITZ Medicom	●	●	●	●	●	●	●	●
mediaire								
medigration	●		●		●	●	●	●
Mindray								
Nexus / Chili	●		●	●	●	●	●	
Protec			●					
ScreenPoint Medical								
Siemens Healthineers	●	●	●	●	●	●	●	●
SIUI								●
Therapixel								
Visaris	●		●					

Workstations

Multimodality	Advanced Visualization	Mammography	Clinical Applications	CAD	Dose Management	Artificial Intelligence	
●	●	●	●	●	●	●	<b>AGFA</b> <small>Agfa</small> HealthCare
●	●				●	●	<b>AlgoMedical</b>
					●		<b>BMS</b> INFORMATIONSTECHNOLOGIE® GMBH
					●		<b>BRACCO</b> ENGINEERING
●	●	●	●	●	●	●	<b>Canon</b>
●			●				<b>DEL MEDICAL</b>
●		●	●				<b>EXAMION</b> <small>X-Ray Systems · Digital Imaging · Service</small>
●	●	●	●	●	●	●	<b>FUJIFILM</b>
					●		<b>Guerbet</b>   
●			●				 <b>IMAGE</b> <small>IMAGING SOLUTIONS</small>
					●		<b>i-SOLUTIONS</b> HEALTH
●	●	●	●	●	●	●	<b>itz-medi.com</b> <small>ITZ MEDICAL GROUP</small>
						●	<b>mediaire</b>
●	●	●	●		●		 <b>medigration</b>
●			●	●		●	<b>mindray</b>
●	●	●			●		 <b>nexus chili</b> <small>imaging &amp; radiology solutions</small>
●							 <b>PROTEC</b> <small>TRANSFORMER FACILITY</small>
						●	<b>SCREENPOINT</b> Medical
●	●	●	●	●	●	●	<b>SIEMENS</b> Healthineers 
		●	●			●	<small>See the future</small> <b>SIUI</b>
						●	 <b>THERAPIXEL</b> <small>IMAGING SOLUTIONS</small>
●							 <b>VISARIS</b>

RIS/PACS

Fujifilm · Synapse VNA



**Highlights**

Synapse VNA is 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 caregivers 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.

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 system, which can easily be customized to meet the needs of any hospital or imaging center.
- Flexible cross-site reporting
- Extensive statistics
- Secured access

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.

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.

i-Solutions Health · RadCentre Cockpit & Speech Integration



**Highlights**

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

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

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



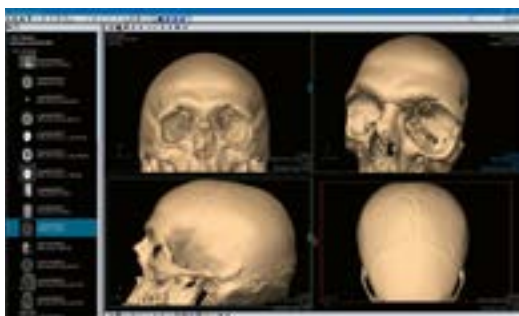
**Highlights**

- Fast, stable and safe PACS
- Reliable software solutions
- One frontend for the data
- One database for all data
- Fireproof longterm-archive
- ITZ-parallel-archiving-concept; no archiving of errors like with backup-principle
- Easy to support
- Compliant to R6V and MDD/MDR Class IIb



RIS / PACS

ITZ Medicom · ITZ Hyper.PACS – Reporting & advanced visualization



Highlights

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

medigration · ImageVision

- Mammo MR
- Screening
- Calcium scoring
- CFA
- Coronaries / 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 dosemanagement 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 · 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

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

RIS/PACS

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

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 RÖV and DIN 6868-159
- Works with any PACS

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

Protac · Propaxx



**Highlights**

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

Protac · Conaxx 2



**Highlights**

- User-friendly and intuitively operable software for the acquisition of X-ray images and operation of several DR-modalities and X-ray generators.
- Three clicks only to get your X-ray image
- Professional image tuning function
- Automatic image optimisation
- Image diagnose directly in CONAXX two possible (optional/single workstation solution)
- Compatible with any DICOM PACS
- Extraordinary workflow efficiency

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

RIS / PACS

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

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 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

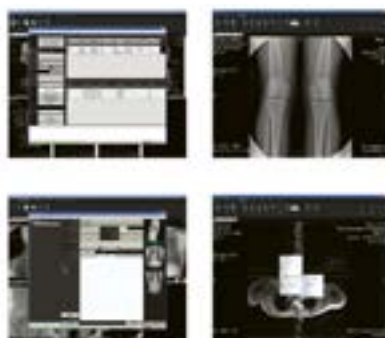
Siemens Healthineers · next generation VNA



**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

Visaris · Avanse 360



**Highlights**

- Image archive and communication servers (PACS)
- Web-based radiology workflow system
- Diagnostic radiology workstations (reading stations)
- Advanced DICOM services including modality scheduling (MWL) and exam status monitoring (MPPS) servers
- Range of fully scalable server and viewing station extensions that can be tailored to specific needs of enterprise level healthcare providers at any time

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

Canon · Vitrea Advanced Visualization



Highlights

- Vitrea Intelligence allows you to analyze the DICOM data generated directly by modalities.
- Gain accurate visibility into all modality utilization including CT dose tracking
  - Discover and resolve unwanted variations in acquisition workflow
  - Better manage sites, departments and resources

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

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 · Intelligent 2D imaging technology



Highlights

- Intelligent 2D Reveal more details in high-resolution 3D exams.
- Superior image quality. Clarity HD high-resolution 3D images and Intelligent 2D images deliver unprecedented clarity, contrast and detail at 70 µm resolution. Accelerate lesion detection with confidence.\*
  - Lower dose. Generate a new 2D image using advanced machine-learning algorithms and high-resolution 3D data to produce a robust, natural-looking image.
  - Improved patient experience. 3.7-second scans reduce compression time to minimize motion and improve patient comfort.
- \* Compared to 2D.

Hologic · Quantra 2.2 Breast Density Assessment



Highlights

A New Standard for Automated Breast Density Assessment Discover the Difference with Quantra 2.2.

Now with texture and pattern analysis, Quantra 2.2 offers more consistent, more reliable scoring. It delivers the accurate information clinicians need to confidently customize personalized patient care decisions and provide the highest quality assessments.

- Breast Density Estimation Algorithm
- Texture and Other Features Calculations
- BI-RADS 5th Edition-like Breast Density Scores

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)



Mammo Workstations

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

Pathology

Fujifilm · Dynamyx

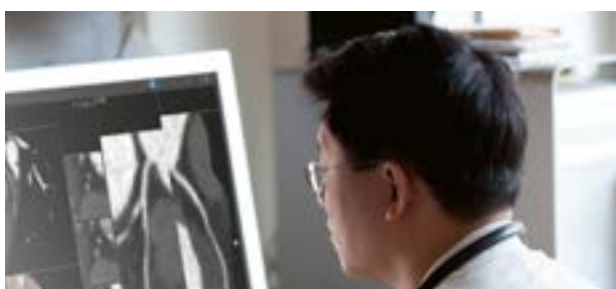


Highlights

A vendor neutral digital pathology application which can be integrated with any lab information system 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.

Portal Solutions

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

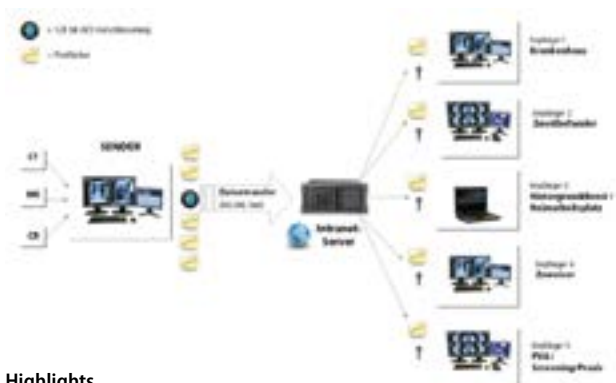
medigation · MultiPortal



Highlights

- To connect your referring practices
- Efficient and encoded transferral of image data
- Secure, user-defined access control
- No elaborate VPN necessary
- 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

medigation · 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 · 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

Portal Solutions

Siemens Healthineers · eHealth Solutions



**Highlights**

eHealth Solutions provides solutions and products to network health institutions, for centralized access to patient-related information and different facilities. With eHealth Solutions, our customers build an IHE-compliant infrastructure for exchanging medical information in cross-institutional, regional, and national eHealth structures. Built for sharing and collaboration, eHealth Solutions connects physicians, patients, hospital employees, referrers, and other parties and organizations and summarizes relevant data needed for reliable treatment decisions.

Siemens Healthineers · teamplay



**Highlights**

teamplay is the departmental performance management solution for radiology. It runs on our awarded cloud-based platform with the goal to enable healthcare providers secured processing of data within or outside a hospital's network and serves as the entry point to access a variety of digital applications. The teamplay performance management applications unlock the insights of operations data and hereby help to make quick and well-informed decisions to streamline operations in radiology\*.

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

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 it, Agfa HealthCare Enterprise Imaging supports you to build a system that will bring you clinical value all along the care continuum.

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-3DView



**Highlights**

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

## Mobile RIS/PACS Viewers

## 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.

## ITZ Medicom · ITZ Hyper.mView – Mobile solution

**Highlights**

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

## migration · 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 necessary
- For tablets & smartphones: Installation and updates easily via AppStore

Nexus/Chili · WebViewer<sup>NG</sup>**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

## Dose Management Systems

## 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.

BMS Informationstechnologie · EasyDose<sup>QM</sup>**Highlights**

EasyDose<sup>QM</sup> 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<sup>QM</sup> has been developed with the end-user in mind.



Dose Management Systems

BMS Informationstechnologie · EasyDose<sup>OM</sup> – Options



Highlights

EasyDose<sup>OM</sup> 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]

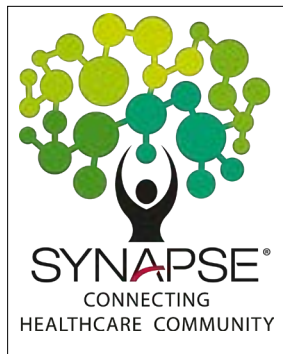


Highlights

- 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 · Syncro-Dose



Highlights

Syncro-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. SyncroDose 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.

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.



## Dose Management Systems

## 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. Fulfills 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 is an enterprise-wide radiation dose management solution that provides access to dose data and supports quality assurance processes for monitoring imaging radiation dosage – vendor and modality agnostic.

- Analysis: Patient-centric dose monitoring
- Insights: Size-specific dose estimate (SSDE) and effective dose calculation
- Comparison: Benchmark against peers and national and institutional reference levels
- Report: Dose events and storage for future quality assurance

## 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 areas

- 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

## i-Solutions Health · RadCentre Quality Manager

**Highlights**

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

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

# Mammography

Mammo CT  
Tomosynthesis  
Digital Mammography  
Mammo DR  
Biopsy Units  
Film-Screen Mammography  
Accessories /  
Complementary Systems

**Canon**

**DMS**  
IMAGING

**AB-CT** 

**EXAMION**  
X-Ray Systems - Digital Imaging - Service

**FUJIFILM**

**GCTechnology GmbH**



IMS  
*Giotto*



**LEONI**

**Planmed**

**PTW**  
THE  
DOSIMETRY  
COMPANY

**SIEMENS**  
Healthineers

**STERNMED**  
*we make it possible*

**VAREX**  
IMAGING



**Mammo CT**

**AB-CT – Advanced Breast-CT · nu:view**

<b>Pixel size</b> 100 µm	<b>Scan time</b> 7–12 s	<b>Detector type</b> Direct converting
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**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**

<b>Pixel size</b> 83 µm	<b>Scan angle</b> 30°	<b>Scan time</b> 15 s
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**Highlights**

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

**Fujifilm · Amulet Innovality**

<b>Pixel output</b> 50 µm / 100 µm / 150 µm	<b>Scan angle</b> 15° / 40°	<b>Scan time</b> 4 s / 9 s
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**Highlights**

- Unique Fujifilm developed a-Se detector using hexagonal pixels for dynamic readout of different resolutions
- Dual angle tomosynthesis for dose efficient with maximum diagnostic performance
- 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

**IMS Giotto – GMM Group · Giotto Class**

<b>Pixel size</b> 85 µm	<b>Scan angle</b> 38.6°	<b>Scan time</b> 13 s
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**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

**Intermedical · Womam**

<b>Pixel size</b> 85 µm	<b>Detector size</b> 24 × 30 cm	<b>Detector type</b> a-Se / a-Si
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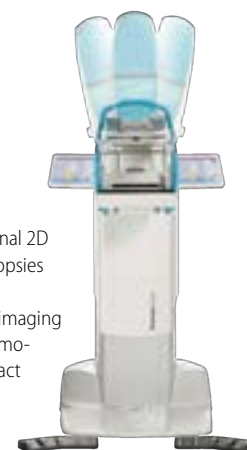


**Highlights**

- Mammography system available in different versions: analogic, 2D digital and 3D digital with tomosynthesis function
- AEC with dual modality: PRE in function of effective breast density and FAST in function of compressed breast thickness
- Version with isocentric C-arm dedicated for biopsy procedures
- DICOM 3.0 connectivity
- Optional diagnostic workstation available with CAD software

**Planmed Oy · Clarity 3D**

<b>Pixel size</b> 83 µm	<b>Scan angle</b> 15°	<b>Scan time</b> 13 s
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**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

# Mammography

## Tomosynthesis

### Siemens Healthineers · 50° Wide-Angle Tomosynthesis

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



### Villa Sistemi Medicali · Melody IIID TS

Pixel size 85 µm	Scan angle 15°/24°/36°	Scan time 5s/6s/9s
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#### Highlights

- Digital mammography system with tomosynthesis function
- Special anti-scatter grid for tomosynthesis allowing superior image quality
- Collimator with automatic recognition of compressor paddle
- User-friendly interface with touch screen display on each side of C-arm
- DICOM 3.0 connectivity
- Optional diagnostic workstation available with CAD software
- Detector size: 24 × 30 cm



## Digital Mammography

### DMS Imaging · Serenys DR Bym

Pixel size 85 µm	Detector size 18 × 24 cm / 24 × 30 cm	Detector type a-Se
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#### Highlights

- The Serenys DR Bym, with the added advantage of an isocentric C-arm including stereotactic biopsy
- The isocentric C-arm can be fully motorized and permits all breast projections without moving the patient and without adjusting the height of the C-arm, making exams faster and more comfortable
- The newest version dbt offers the possibility for tomosynthesis
- The device is also available in analogic or in compact version.
- kV Range: 20 – 35 kV



### IMS Giotto – GMM Group · Giotto Class Smartfinder

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



### IMS Giotto – GMM Group · Giotto Class 40000

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






Digital Mammography

**Intermedical · Womam**

Pixel size 85 µm	Detector size 24 × 30 cm	Detector type a-Se / a-Si
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**Highlights**

- Mammography system available in different versions: analogic, 2D digital and 3D digital with tomo-synthesis function
- AEC with dual modality: PRE in function of effective breast density and FAST in function of compressed breast thickness
- Version with isocentric C-arm dedicated for biopsy procedures
- DICOM 3.0 connectivity
- Optional diagnostic workstation available with CAD software

**Planmed Oy · Clarity 2D**

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

**Planmed Oy · Clarity S**

Pixel size 83 µm	Detector size 24 × 30 cm	Detector type a-Si
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**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 83 µm	Detector size 23 × 30 cm	Detector type CsI
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**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

**SternMed · Xenox S200**

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

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

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

# Mammography

## Mammo DR

### Examion · X-Mammo DR M

Pixel size 76 µm	Detector size 18 × 24 cm	Detector type CsI
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#### Highlights

- Retrofit analogue and CR mammography systems. Get the advantages of a digital detector without replacing your existing mammography equipment.
- Pixel size of 76 µm for high image quality
  - Image processing developed specifically for digital mammography
  - Efficient work flow and high operating comfort

## Biopsy Units

### IMS Giotto – GMM Group · Giotto Flexible

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

- Flexible 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

### Planmed Oy · Sophie Classic S

Power 20 – 35 kV	Anode Mo	Filter Mo/Rh
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#### Highlights

- An optimum performance analogue system with ease-of-use
  - High technology and smart solutions enable efficient workflow at smaller clinics and busy screening centers.
- Also diagnostic mammograms are available by upgrading the unit with a magnification platform and stereotactic biopsy device
- Automated features, such as the Automatic Exposure Control and automatic selection of the collimator ensure correct parameters for imaging and help to avoid additional retakes
  - Optional CR interface available



### Siemens Healthineers · Mammomat Select

Power 23 – 35 kV	Anode Mo	Filter 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



### Villa Sistemi Medicali · Melody III

Power 20 – 35 kV	Anode Mo	Filter Mo/Rh
---------------------	-------------	-----------------

#### Highlights

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



## Accessories / Complementary Systems

### GCTechnology · CIRS Phantoms



BR3D tomosynthesis breast phantom

Mammographic accreditation phantom

#### Highlights

- Multi-modality breast biopsy and sonographic trainer (CT, US, MR)
- Stereotactic needle breast phantom
- Mammography test tools
- Mammography phototimer consistency testing slabs
- Digital mammography phantoms
- Mammoview markers

Accessories / Complementary Systems

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
- Severe tests during conditioning assure best performances
- Reduced thermal stress on the bearings improves tube life duration
- Compact light weight structure

Leoni · Cable systems



**Highlights**

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

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

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 CE marked class I certified test object
- Incl. different absorbers and test elements

PTW · Nomex Multimeter



**Highlights**

- Dosimetry system, CE marked, class IIb certified, acc. to IEC 61674
- Single exposure captures all dose values, kVp, time, TF, HVL, frequency, pulses and waveforms
- Angular independent for positioning within the beam
- Fully automatic adjustment
- Data and waveform export to Excel
- Ideal for tomosynthesis measurements
- Accessories: Normi MAM test objects

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  
Fluoroscopy  
Mobile X-Ray  
Accessories /  
Complementary Systems

**Canon**

**GCTechnology GmbH**

**EXAMION**<sup>®</sup>  
X-Ray Systems · Digital Imaging · Service

**DRGEM**  
*Your Best Healthcare*



 **GMMGROUP**

 **SHIMADZU**  
Excellence in Science

  
**PROTEC**  
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 **STEPHANIX**  
MEDICAL IMAGING SOLUTIONS

**SIEMENS**  
**Healthineers**

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*we make it possible*






**Bucky**

**Canon · Radrex**


<b>Power</b> 50/80 kW	<b>Table</b> Floating	<b>Table height</b> Adjustable
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**Highlights**  
Canon recommends Radrex compact radiographic systems for general-purpose radiography, being highly accurate and efficient. It is possible to expand the original system to meet the particular clinical requirements of the user. When the system is combined with a portable FPD (35 × 43 cm) and digital processor, a wide range of applications can be performed.

**Examion · X-R Ceiling Standard**

<b>Power</b> 55/65/80 kW	<b>Table</b> Floating	<b>Table height</b> 54 – 93 cm ± 1,5 cm
-----------------------------	--------------------------	--




**Highlights**  
The Examion ceiling-suspended X-ray system meets all hospital's requirements.

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

**Examion · X-R Static Z/U-Arm**

<b>Power</b> 50 kW	<b>Table</b> Mobile table on request	<b>Table height</b> 59,5 – 86,5 cm
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**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**

<b>Power</b> 32 kW – 80 kW	<b>Table</b> Floor mounted	<b>Table height</b> Adjustable
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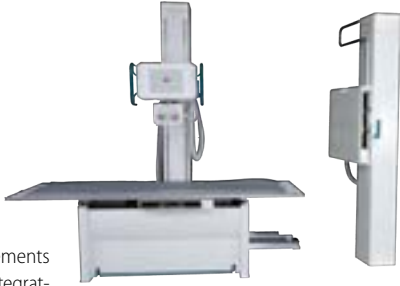


**Highlights**

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

**Protec · PRS 500 F/E**

<b>Power</b> 50/80 kW	<b>Table</b> Floating	<b>Table height</b> 58 – 88 cm
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**Highlights**

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

**Shimadzu · RADspeed Pro automatic**

<b>Power</b> 50/65/80 kW	<b>Table</b> Floating	<b>Table height</b> 53,5 – 85 cm
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**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

Bucky

**Shimadzu · RADspeed Pro MC**

<b>Power</b> 50 / 65 / 80 kW	<b>Table</b> Floating	<b>Table height</b> 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

**Shimadzu · RADspeed Pro MF**

<b>Power</b> 50 / 65 / 80 kW	<b>Table</b> Floating	<b>Table height</b> 53,5 – 85 cm
---------------------------------	--------------------------	-------------------------------------



**Highlights**

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

**Shimadzu · RADspeed fit Plus**

<b>Power</b> 32 / 56 kW	<b>Table</b> Floating	<b>Table height</b> 70 cm
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**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

**Siemens Healthineers · Multix Fusion**

<b>Power</b> 55 / 65 / 80 kW	<b>Table</b> Floating	<b>Table height</b> Adjustable
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**Highlights**

- Ergonomic table with optional wireless or fixed detector
- Key components adapted from Ysio like table, tube, bucky wall stand and many more
- Automation – fast positioning with advanced tube tracking and comfortable maneuvering
- Small space requirements – fits your room and budget
- Prepared for the future – digitize your system whenever you prefer

**Stephanix · RAD series**

<b>Power</b> Up to 80 kW	<b>Table</b> Floating	<b>Table height</b> Fixed / variable
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**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**

<b>Power</b> 32 / 40 / 50 / 65 / 80 kW	<b>Table</b> Floating	<b>Table height</b> Fixed / adjustable
---	--------------------------	---



**Highlights**

- Modular bucky system for general radiographic applications, musculoskeletal 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**

**Canon · Plessart Vivo**


<b>Power</b> 50kW	<b>II format</b> 12"	<b>CCD-matrix</b> 1k × 1k
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**Highlights**  
Canon Plessart VIVO is a remote control R/F system comprising an R/F diagnostic table with an over-table X-ray tube configuration, an X-ray high-voltage generator, and a digital imaging system. This system is intended for use as a general-purpose system for abdominal angiography, general abdominal radiography, general skeletal radiography, support of endoscopic procedures, etc.

**Canon · Plessart EX8**

<b>Power</b> 80kW	<b>II format</b> 12"	<b>CCD-matrix</b> 1k × 1k
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**Highlights**  
The Canon Plessart EX8 is a digital remote control R/F system comprising a R/F diagnostic table with an over-table X-ray tube configuration, an X-ray high-voltage generator, and a digital imaging system. This system is intended for use as a general-purpose system for abdominal angiography, general abdominal radiography, general skeletal radiography, support of endoscopic procedures, etc.

**Shimadzu · Flexavision eXceed edition series**

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

<b>Power</b> 50/65/80kW	<b>II format</b> 9"/12"/16"	<b>CCD-matrix</b> 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

**Villa Sistemi Medicali · Apollo EZ 4.0**

<b>Power</b> 50/65/80kW	<b>II format</b> 9"/12"	<b>CCD-matrix</b> 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**

<b>Power</b> 4kW	<b>Operation</b> Mains	<b>Motorized</b> No
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**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
- Three-way control (Main body, control console, and remote control)
- Preprogrammed APR data and user-programmable APR
- Simple, collapsible mobile stand with external console
- USB external interface, with bluetooth or DR interface options

Mobile X-Ray

Examion · X-R Mobile 320

Power 32 kW	Operation no	Motorized no
----------------	-----------------	-----------------



Highlights

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

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

Shimadzu · MobileArt eco

Power 12.5 kW	Operation Mains	Motorized No
------------------	--------------------	-----------------



Highlights

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

Shimadzu · MobileArt Evolution MX7

Power 12.5/32 kW	Operation Battery	Motorized 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 16 kW / 20 kW	Operation Mains	Motorized 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 30 kW	Operation Mains / Battery	Motorized Yes
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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 20/ 32/ 40/ 50 kW	Operation Battery / Mains	Motorized 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



**Mobile X-Ray****SternMed · Xenox M90**

Power	Operation	Motorized
30 / 40 kW	Mains	Yes



**Highlights**

- Rotating anode with 3,000 rpm
- 43 × 43 cm Rad field
- Storage for 6 cassettes
- Touch screen 10.4" TFT display
- Collimator with laser pointer and pediatric filter
- Big rear wheels ø 43,5 cm can easily overcome small obstacles
- kV Range: from 40 to 125 kV
- mAs Range: 0.1 to 320 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

**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

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Mobile X-Ray

Villa Sistemi Medicali · Visitor T30C

Power 32 kW	Operation Mains	Motorized No
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**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 4 kW	Operation Mains	Motorized No
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**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

GCTechnology · CIRS Phantoms



Model 903 radiography fluoroscopy QA phantom

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.

Protec · Prognost XP-series



**Highlights**

- Mobile patient table to position the patient directly above the corresponding image receptor
- For digital DR detectors or with bucky tray integrated
- Fixed table height or elevating with floating carbon fibre table top
- Elevating versions with line connection or battery powered
- Power: Line or battery
- Table: Fixed or adjustable height (optional), carbon fiber table top

Protec · Bucky series



**Highlights**

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

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CR

**Agfa HealthCare · 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 HealthCare · 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 HealthCare · 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 HealthCare · 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 HealthCare · 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 Csl 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**

- Highly 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<sup>2</sup>
- 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

**Agfa HealthCare · DR 600 (ceiling suspended)**

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



**Highlights**

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

**Agfa HealthCare · DR 400 (floormounted)**

Power	Detector type	Pixel size
40 / 50 / 65 / 80 kW	Csl / 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
- NX acquisition workstation offers comprehensive functionality for integrated workflow

**Agfa HealthCare · DX-D 300**

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




**Highlights**

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

DR

**Arcoma · Intuition – Powered by Canon DR**

<b>Power</b> 50 / 65 / 80 kW	<b>Detector type</b> CsI	<b>Pixel size</b> 125 µm
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**Highlights**  
Versatile solution for all radiographic applications

- Optimized workflow for high volume patient throughput
- High efficiency with RIS integrated workflow
- Lightweight manual alpha, beta, X- and Y-movement
- Motorized Z-movement for easy positioning
- Floating tabletop
- Smart chest and table detector tracking
- Acquisition station with large DICOM calibrated touch screen display
- Easy to fit in low ceiling X-ray rooms
- Table: Motorized height adjustable with floating table top

**Arcoma · Precision – Powered by Canon DR**

<b>Power</b> 50 / 65 / 80 kW	<b>Detector type</b> CsI	<b>Pixel size</b> 125 µm
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**Highlights**  
High end solution for all radiographic applications

- Optimised workflow for high volume patient throughput
- Smart automatic positioning
- Fully automatic image stitching
- High efficiency with RIS-integrated workflow
- Advanced 6-way patient table with motorised adjustment and motorised detector tracking
- Tubehead display allows access to a variety of examination information
- Motorized height adjustable with floating tabletop

**Canon · Adora DRi**

<b>Power</b> 65 kW	<b>Detector type</b> CsI	<b>Pixel size</b> 125 µm
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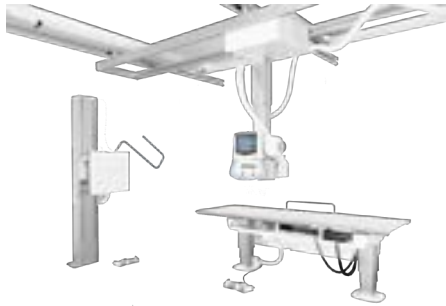


**Highlights**  
Next generation high-end DR solution for all radiographic applications

- 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+**

<b>Power</b> 50 / 65 / 80 kW	<b>Detector type</b> CsI	<b>Pixel size</b> 125 µm
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**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**


<b>Power</b> 50 / 65 / 80 kW	<b>Detector type</b> CsI	<b>Pixel size</b> 125 µm
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**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.

**Canon · Easy DR**

<b>Power</b> 50 / 65 / 80 kW	<b>Detector type</b> CsI	<b>Pixel size</b> 125 µm
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**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



DR

**Canon · Trauma DR Plus**

<b>Power</b> 50/65/80 kW	<b>Detector type</b> Csl	<b>Pixel size</b> 125 µm
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**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

**Del Medical · OTC18M**

<b>Power</b> 32/40/50/65/80 kW	<b>Detector type</b> GOS/Csl	<b>Pixel size</b> 140/148/160 µm
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**Highlights**

- Ceiling mounted tube crane with lightweight and precise manual positioning
- 10.4-inch tube mounted touch-screen console for generator control, detector selection, SID and tube angle display
- Five-tier telescoping column with 180 cm reach for head-to-toe imaging
- Ergonomic tube handle with all-lock release optical sensor
- 6-way patient table with 363 kg weight limit
- Premium wallstand with tilting option
- 43 × 108/43 × 43/35 × 43/24 × 30 cm wireless flat panel detector

**Del Medical · OTC18T**

<b>Power</b> 32/40/50/65/80 kW	<b>Detector type</b> GOS/Csl	<b>Pixel size</b> 140/148/160 µm
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**Highlights**

- Ceiling mounted tube crane with lightweight and precise manual positioning
- Vertical tracking to table and wall stand
- Ergonomic tube handle with all-lock release optical sensor
- 10.4-inch tube mounted touch-screen console for generator control, detector selection, SID and tube angle display
- Elevating table with four-way float and 363 kg patient weight limit
- Premium wallstand with tilting option
- 43 × 108/43 × 43/35 × 43/24 × 30 cm detector

**Del Medical · FMT**

<b>Power</b> 32/40/50/65/80 kW	<b>Detector type</b> GOS/Csl	<b>Pixel size</b> 140/148/160 µm
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**Highlights**

- Compact and economical floor mounted tube stand with low ceiling requirement of just 2.2 meters
- Easily accessible tube mounted generator electronics for additional space savings
- High quality table with four-way floating table top and 318 kg patient weight limit – table base can house or fixed detectors with 148 cm of vertical travel

**Del Medical · FMT18M**

<b>Power</b> 32/40/50/65/80 kW	<b>Detector type</b> GOS/Csl	<b>Pixel size</b> 140/148/160 µm
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**Highlights**

- Tube lock control for 180 degree column rotation
- 10.4-inch tube mounted touchscreen console for generator control, detector selection, SID and tube angle display
- Ergonomic tube handle with all-lock release optical sensor
- Elevating table with four-way float and 363 kg patient weight limit and table-top mounted controls
- Premium wallstand with ergonomic handle and patient handgrips
- Optional rotating DR tray
- 43 × 108/43 × 43/35 × 43/24 × 30 cm detector

**Del Medical · FMT18T**

<b>Power</b> 32/40/50/65/80 kW	<b>Detector type</b> GOS/Csl	<b>Pixel size</b> 140/148/160 µm
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**Highlights**

- Easily positioned floor mounted tube stand for efficient workflow
- Vertical tracking to table and wall stand
- 10.4-inch tube mounted touch-screen console for generator control, detector selection, SID and tube angle display
- Ergonomic tube handle with all-lock release optical sensor
- Elevating table with four-way float, table-top mounted controls and 363 kg patient weight limit
- Premium wallstand
- Optional rotating DR tray for 35 × 43 cm wireless flat panel detector

DR

**Del Medical · FWFC**

<b>Power</b> 32/40/50/65/80 kW	<b>Detector type</b> GOS/ Csl	<b>Pixel size</b> 140/148/160 μm
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**Highlights**

- Affordable and flexible imaging solution for medical imaging centers and urgent care facilities
- Easily and securely installed with floor to wall or floor to ceiling tube tracks
- Pressure activated 180-degree column rotation
- High quality table with four-way floating table top and 318 kg patient weight limit – table base can house generator electronics for additional space savings
- Space efficient wall stand for wireless or fixed detectors with 148 cm vertical travel range

**Del Medical · Straight Arm**

<b>Power</b> 32/40/50/65/80 kW	<b>Detector type</b> Csl	<b>Pixel size</b> 148/160 μm
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**Highlights**

- Economical and space-efficient X-ray system perfect for Ambulatory Clinics, Imaging Centers or Urgent Care facilities
- Efficient isocentered design keeping the detector and x-ray beam in constant alignment
- Flexible movement with extensive range of arm and image receptor rotation
- Motorized variable SID adjustment of 100 to 200 cm
- Extensive vertical travel 42 to 163 cm
- Optional mobile patient table for recumbent exams
- Choice of fixed or wireless flat panel detector

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

<b>Power</b> 50 kW	<b>Detector type</b> Csl/ GoS	<b>Pixel size</b> 140 μm
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**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)**

<b>Power</b> 50 kW	<b>Detector type</b> Csl/ GoS	<b>Pixel size</b> 140 μm
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**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)**

<b>Power</b> 50 kW	<b>Detector type</b> Csl/ GoS	<b>Pixel size</b> 140 μm
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**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)**

<b>Power</b> 50/80 kW	<b>Detector type</b> Csl/ GoS	<b>Pixel size</b> 140 μm
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**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

DR

**DK Medical · Innovision-DXII (3-in-1 type)**

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



**Highlights**

- Efficient space utilization  
Combined system consisting of tube support, table and generator (space saving)
- Bucky tray following in same direction with tube stand movement
- Collimator turning on automatically
- User convenience with APR
- Standing knee position (Enable users to take images more conveniently 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 and premium upgrade  
• Detector format: 17×17" / 17×14" wired/wireless

**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 and premium upgrade
- 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  
• 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
- Detector format: 17×17", wireless/portable

**DRgem · Diamond (U-arm Type)**

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



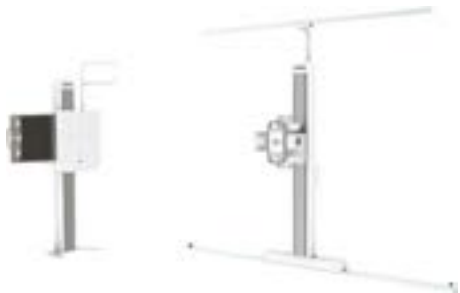
**Highlights**

- 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
- Detector format: 17×17", wired/wireless

DR

**DRgem · DR System for Chest and Chiropractic**

<b>Power</b> 32/40/52kW	<b>Detector type</b> GOS/CsI	<b>Pixel size</b> —
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**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
- Detector format: 17×17"/ 17×14", wired/wireless

**DRgem · VXR**

<b>Power</b> 32/40kW	<b>Detector type</b> GOS/CsI	<b>Pixel size</b> —
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**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

**Examion · X-DRS Ceiling Standard**

<b>Power</b> 50kW	<b>Detector type</b> a-Si/CsI	<b>Pixel size</b> 100–150 μm
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**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
- Stitching Option

**Examion · X-DR Static Z-Arm or U-Arm**

<b>Power</b> 50kW	<b>Detector type</b> a-Si / CsI	<b>Pixel size</b> 100–139 μm
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**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**

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

<b>Power</b> 50 kW – 80kW	<b>Detector type</b> a-Si	<b>Pixel size</b> 139 μm – 148 μm
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**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



DR

**GMM Group · Calypso – Multifunctional DR system**

<b>Power</b> 50 kW – 80 kW	<b>Detector type</b> a-Si	<b>Pixel size</b> 139 µm – 148 µm
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**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

**GMM Group · Kalos – DR system**

<b>Power</b> 65 – 80 kW	<b>Detector type</b> a-Si	<b>Pixel size</b> 125 – 148 µm
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**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**

<b>Power</b> 65 / 80 kW	<b>Detector type</b> Csl	<b>Pixel size</b> 125 µm
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**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
- Smart autopositioning and autotracking
- 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**

<b>Power</b> 65 / 80 kW	<b>Detector type</b> fixed / portable, single / double	<b>Size</b> 36 × 43 cm wifi, 43 × 43 cm fixed
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**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 X70**

<b>Power</b> 50 – 80 kW	<b>Detector type</b> Csl	<b>Pixel size</b> 100 µm
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**Highlights**

- Multiple configurations possible
- Light handling, servo tracking standard
- Excellent workflow in combination with AeroDR detector
- Intuitive CS-7 console
- Can be installed in rooms with a minimal height of 2.5 metres
- Detector size: 14" × 17" / 17" × 17" / 10" × 12"

**Konica Minolta · AeroDR X60**

<b>Power</b> 65 – 80 kW	<b>Detector type</b> Csl	<b>Pixel size</b> 100 µm
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**Highlights**

- Multiple configurations possible
- Light handling, servo tracking standard
- Excellent workflow in combination with AeroDR detector
- Intuitive AeroNAV console
- Detector size: 14 × 17" / 17 × 17" / 10 × 12"

DR

**Mindray Medical · DigiEye 760 Pro DR system**

<b>Power</b> 50kW / 65kW	<b>Detector type</b> Csl	<b>Pixel size</b> 143 µm
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**Highlights**

- Compact and low-cost-efficiency ceiling suspending DR system
- More flexible configuration of output and patient table
- Wire / wireless FPD with different sizes
- More efficient parallel exam mode
- High image quality at low dose
- Panoramic Imaging Technology

**Mindray Medical · DigiEye 280 DR system**

<b>Power</b> 30 kW / 50 kW	<b>Detector type</b> Csl	<b>Pixel size</b> 140 µm
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**Highlights**

- Integrated high voltage generator design
- The highest frequency generator 460kHz
- Unique LEVELS image post-processing technology
- Limited installation requirement
- Flexible configuration with portable detector
- Detector size: 35 × 43 cm

**NRT · Adora DRI – Powered by Canon DR**

<b>Power</b> 65 kW	<b>Detector type</b> Csl	<b>Pixel size</b> 125 µm
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**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

**Primax International · Riviera CSX**

<b>Power</b> Up to 80 kW	<b>Detector type</b> a-Si / Csl	<b>Pixel size</b> 125 µm
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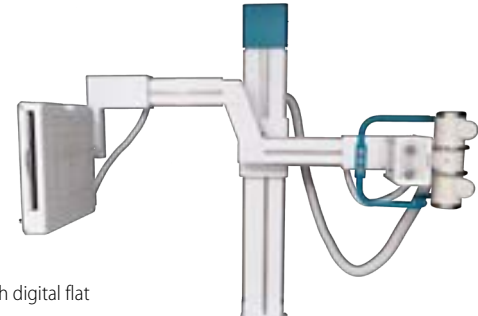


**Highlights**

- Fully automatic ceiling suspension system for top-performance rad rooms
- High-precision positioning thanks to new Zero-Effort movements, offering greater speed and easy operation
- Fully automated for streamlined workflow, increases performance and offers greater comfort for patient and operator
- Completely integrated system for all radiographic applications, thank to high-end flat panel and imaging SW

**Protac · PEDS 600**

<b>Power</b> 50 / 80 kW	<b>Detector type</b> Csl / GOS	<b>Pixel size</b> 139 / 150 µm
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**Highlights**

- DR-System with digital flat panel detector
- Detector size: max. 43 × 43 cm
- Provario HF generator (40 – 80 kW)
- Anatomical programs and AEC
- Variable SID 110 – 200 cm
- Rotatable U-arm – 30° up to +135°
- Rotatable DR-detector
- System operation, control of generator and software applications combined in one console

**Protac · PRS 500 B**

<b>Power</b> 50 / 80 kW	<b>Detector type</b> Csl / GOS	<b>Pixel size</b> 139 / 150 µm
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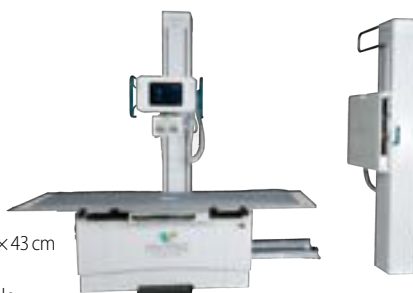
**Highlights**

- Motorized X-ray system with auto-tracking function
- Detector size: max. 43 × 43 cm
- Trend-setter for radiological centers, clinics and hospitals
- Integrated sophisticated autotracking functions – the system enables the user a comfortable, fast and efficient daily workflow
- 360° rotation of the entire X-ray tube stand for a maximum of application flexibility
- Fully digital auto stitching

DR

**Protac · PRS 500 E (Touch option)**

<b>Power</b> 50/80 kW	<b>Detector type</b> Csl/GOS	<b>Pixel size</b> 139/150 µm
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**Highlights**

- Detector size: max. 43 × 43 cm
- Provario HF generator integrated into the table
- APR and AEC
- Automatic coupling device to center tube and bucky
- Including wall bucky stand; stitching as optional solution
- Floating carbon fibre table top
- Adjustable height combined with undertable generator
- Fully digital DR-System with flat panel detector technology, different configurations from single to dual detector systems

**Protac · PRS 500 F (Touch option)**

<b>Power</b> 50/80 kW	<b>Detector type</b> Csl/GOS	<b>Pixel size</b> 139/150 µm
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**Highlights**

- Integrated state-of-the-art touch concept
- Detector size: max. 43 × 43 cm
- Radiographic positioning aid directly at the system
- Patient selection, job selection and generator control at integrated touch-screen
- First preview at the system immediately after the exposure
- Outstanding ease of use due to ideal workflow, simple handling and the selection of the patient at the X-ray system directly

**Protac · PRS 500 X (Touch option)**

<b>Power</b> 50/80 kW	<b>Detector type</b> Csl/GOS	<b>Pixel size</b> 139/150 µm
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**Highlights**

- Easy system handling and positioning due to its optimum weight counter-balance concept
- Detector size: max. 43 × 43 cm
- Maximum flexibility and workflow efficiency
- Fully digital X-ray generator connection by Conaxx image acquisition software
- Outstanding variability and extensibility in case of changing application requirements (e.g. upgrading with extended floor-rail)
- Also available as TouchVersion (see PRS 500 F/E)

**Protac · PRS 300 VET Touch**

<b>Power</b> 2.4 – 32 kW	<b>Detector type</b> Csl/GOS	<b>Pixel size</b> 139/150 µm
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**Highlights**

- Fully digital all-rounder for any veterinary
- „Hybrid“ solution for mixed practices: mobile generator (up to 5 kW) can be easily removed for onsite examinations
- Stationary X-ray solution for small animal practices and clinics, powerful 32 kW generator
- Touch monitor direct at the system, allows user friendly operating while acquisition and diagnosis

**Shimadzu · RADspeed Pro DR**

<b>Power</b> 50/65/80 kW	<b>Detector type</b> Csl	<b>Pixel size</b> 100/125/175 µm
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**Highlights**

- Flexible choice of different flat panel detectors
- Excellent image quality
- Auto-positioning 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**

<b>Power</b> 50/65/80 kW	<b>Detector type</b> Csl/GOS	<b>Pixel size</b> 150 µm
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**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

DR

**Siemens Healthineers · Multitom Rax**

<b>Power</b> 65 / 80 kW	<b>Detector type</b> a-Si / CsI	<b>Pixel size</b> 148 µm
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**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

- Detector size:  
43 × 43 cm (RAX detector)  
35 × 43 cm (MAX wi-D)  
24 × 30 cm (MAX mini)

**Siemens Healthineers · Ysio Max**

<b>Power</b> 65 / 80 kW	<b>Detector type</b> a-Si / CsI	<b>Pixel size</b> 148 µm
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**Highlights**

- Streamline workflows with unique automation for fast, simple and safe positioning
- Standardize outcomes to obtain consistently high image quality for all patients
- The Max effect: Combine with other Max systems for additional benefits in standardization, savings and satisfaction

- 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 Fusion Max**

<b>Power</b> 55 / 65 / 80 kW	<b>Detector type</b> a-Si / CsI	<b>Pixel size</b> 148 µm
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**Highlights**

- Fast, high-quality results – easy positioning with tube tracking and Max image quality
- Low costs over lifetime – in-tray detector charging and sharing over multiple Max systems
- Consistent performance – high-quality components adapted from Ysio Max
- Ortho fusion – for long leg and long spine images

- The Max effect: Combine with other Max systems for additional benefits in standardization, savings and satisfaction
- Detector size:  
43 × 43 cm (MAX detector)  
35 × 43 cm (MAX wi-D),  
24 × 30 cm (MAX mini)

**Siemens Healthineers · Multix Impact**

<b>Power</b> 55 / 65 / 80 kW	<b>Detector type</b> a-Si / CsI	<b>Pixel size</b> 148 µm / 139 µm
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**Highlights**

- Floor-mounted radiography machine
- High-end technology at an economical price, to improve access to care
- Intuitive imaging software and system handling, positioning guide, and optional motorization and tracking functions
- Remote Interface, our tablet-based workflow, lets you access the major functions of your imaging system in the examination or control room

- Fast digital imaging cycles, preset organ programs, and rapid image flavor adjustments for standardized outcomes
- Detector size:  
43 × 43 cm (Core static)  
43 × 43 cm (Core XL)  
35 × 43 cm (MAX wi-D)

**Stephanix · D2RS – Powered by Canon DR**

<b>Power</b> 50 / 65 / 80 kW	<b>Detector type</b> CsI	<b>Pixel size</b> 160 µm
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**Highlights**

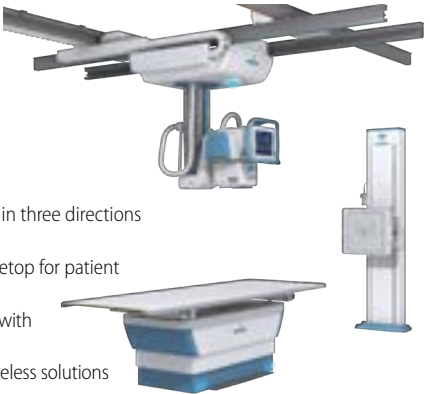
- Unrivalled 3-in-1 solution for radiography and fluoroscopy
- Uncompromised direct digital radiography and fluoroscopy
- Motorized auto-positioning, dose reduction features
- Head-to-toe patient coverage
- “Smart access” table position for easy patient transfer

- Variable table height, variable SID for all clinical examinations (max. 180 cm)
- Table: –25 / +90 degrees
- Customizable pediatric protocols

Powered by Canon DR

**Stephanix · Xcelium DREAM**

<b>Power</b> Up to 80 kW	<b>Detector type</b> Fixed or wireless	<b>Pixel size</b> 125 µm / 148 µm
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**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 capacitive technology for effortless handling

DR

**Stephanix · Xtreme DReam**

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

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



KONICA MINOLTA

# RETHINK YOUR DIAGNOSTIC LANDSCAPE



**Introducing our new AeroDR at ECR2020**

Konica Minolta booth Expo X2 - 215

[www.konicaminolta.eu/healthcare](http://www.konicaminolta.eu/healthcare)


Giving Shape to Ideas



DR

**Stephanix · Statif Pro DReam**

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

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

**Villa Sistemi Medicali · Moviplan iC with floor-mounted column**

<b>Power</b> 50 / 65 / 80 kW	<b>Detector type</b> a-Si / CsI	<b>Pixel size</b> 100 µm / 143 µm
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**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**

<b>Power</b> 50 / 65 / 80 kW	<b>Detector type</b> a-Si / CsI	<b>Pixel size</b> 100 µm / 143 µm
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**Highlights**

- High-end solution allowing great application flexibility and high production capacity
- Touch Screen interface integrated on tube-head
- Tilting 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**

<b>Power</b> 50 / 65 / 80 kW	<b>Detector type</b> a-Si / CsI	<b>Pixel size</b> 143 µm
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**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

**Visaris · Vision U**

<b>Power</b> 50 / 65 / 80 kW	<b>Detector type</b> CsI	<b>Pixel size</b> 100 - 150 µm
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**Highlights**

- Universal DR system for a wide range of general and specialist diagnostic imaging applications
- Programmable auto-positioning of the X-ray tube and digital flat panel detector in all directions enables efficient and flexible imaging of all anatomies
- A single system console seamlessly controls all active system components meaning unparalleled user ergonomics and high workflow automation

DR

Visaris - Vision V

<b>Power</b> 50/65/80 kW	<b>Detector type</b> Csl	<b>Pixel size</b> 100-150 µm
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**Highlights**

- Modular X-ray system with a standard configuration of floor mounted tube stand, wall bucky stand and bucky table
- With a range of advanced workflow and positioning features, it is a high performance DR system offering unparalleled price-performance ratio
- Modular stand design with optional motorization can perform a wide range of general and specialized radiographic imaging

Visaris - Vision C

<b>Power</b> 50/65/80 kW	<b>Detector type</b> Csl	<b>Pixel size</b> 100-150 µm
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**Highlights**

- Overhead DR system available in fully motorised auto-positioning configuration capable of practically all radiographic techniques or in more affordable manual configurations
- It can be tailored to specific needs
- Its highly mobile, light weight, overhead tube stand can be combined with a range of patient tables and detector stands housing any configuration of fixed or wireless detectors

Visaris - Vision Vet

<b>Power</b> 2.4/3.2/32 kW	<b>Detector type</b> Csl	<b>Pixel size</b> 139-150 µm
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**Highlights**

- New digital advanced DR system designed for use in veterinary practices
- Available in two versions: Vision Vet standard and Vision Vet high performance
- Vet stand with floating tabletop and integrated flat panel detector and X-ray source
- Imaging console with simplest user interface on the market
- Digital workflow brings unparalleled benefits that saves time and gets results immediately



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European Congress of Radiology

ECR 2020

Vienna, 15-18 July 2020  
Expo X5 #505

Villa Sistemi Medicali SpA  
vsminfo@villasm.com - www.villasm.com

DR

**Visaris · Vision X**

<b>Power</b> 50 / 65 / 80 kW	<b>Detector type</b> Csl	<b>Pixel size</b> 100-150 µm
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**Highlights**

- High-throughput, entry level DR system for general radiography and all types of patient examinations
- Motorized arm elevation and SID, manual arm rotation and detector tilt
- Robust, yet simple construction of the stand with a mobile patient table, provides easy access to operator and patient
- Flexible stand design and modest room requirements make it suitable for small practices

Portable DR

**DMS Imaging · EZ2GO**

<b>Size</b> 35 × 35 cm	<b>Detector type</b> a-Si / Csl	<b>Pixel size</b> 140 µm / 160 µm
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**Highlights**

- Connect up to three wifi flat panel detectors
- Image preview in 2 s and image acquisition in 4 s
- 8 h battery / autonomy
- The cassette size of the detector allows upgrade everywhere in the hospital
- Ideal for control exams for bedridden patients
- The lightest solution of the market (3.9 kg tablet & detector)
- Design : DR upgrade mobile in 2 minutes
- System concept : 2 components

**Examion · X-DR Portable**

<b>Size</b> 14 × 17"	<b>Detector type</b> a-Si / Csl	<b>Pixel size</b> 150 µm
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**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 (optional)
- Detector size: 14 × 17"
- Pixel size: 150 µm

**SIUI · SR-1000 Touch**

<b>Size</b> 65 × 50 × 35.5 cm	<b>Detector type</b> a-Si	<b>Pixel size</b> 150 µm
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**Highlights**

- SR-1000 Touch is the portable DR system integrated with the X-ray generator, flat panel detector and the workstation
- Eco-friendly & Safe: The generator caters to the clinical demands with lower power and low radiation intensity
- Battery power supply system: A full charge enables over 200 times exposure at full power and over 300 times at average power.

WIFI connection technology: WIFI connection among the X-ray generator, flat panel detector and workstation to control exposure as well as data transfer, which largely simplify the operation and improve efficiency

- Different stands facilitate wide applications

**Villa Sistemi Medicali · ArtPix EZ2GO**

<b>Size</b> 35 × 43 cm	<b>Detector type</b> a-Si / Csl	<b>Pixel size</b> 148 µm
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**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 HealthCare · DR 17e detector**

<b>Size</b> 17 × 17"	<b>Detector type</b> Csl / GOS	<b>Pixel size</b> 140 µm
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**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 HealthCare · DR 14e detector**

<b>Size</b> 14×17"	<b>Detector type</b> CsI/GOS	<b>Pixel size</b> 140 µm
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**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 HealthCare · DR 14s detector**

<b>Size</b> 14×17"	<b>Detector type</b> CsI	<b>Pixel size</b> 125 µm
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**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 HealthCare · DR 10s detector**

<b>Size</b> 10×12"	<b>Detector type</b> CsI/GOS	<b>Pixel size</b> 148 µm
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**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**

<b>Size</b> 43×43 cm	<b>Detector type</b> CsI/Tl	<b>Pixel size</b> 140 µm
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**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 · FDX 3543 RPW / FDX 4343 RPW**

<b>Size</b> 35×43cm / 43×43 cm	<b>Detector type</b> CsI/Tl	<b>Pixel size</b> 140 µm
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**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
- Compact and lightweight battery recharger

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

<b>Size</b> 35×43 cm / 43×43 cm	<b>Detector type</b> CsI/Tl	<b>Pixel size</b> 140 µm
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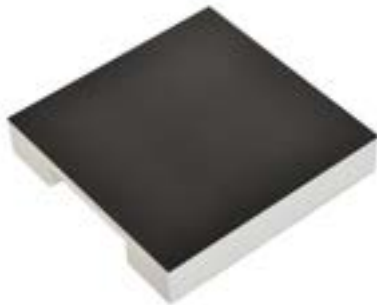
**Highlights**

- 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

DR Detectors

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 provide low-noise and real time image

Canon Electron Tubes & Devices · FDXA3543RP

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



**Highlights**

- Portable flat panel detector
- Our proven advanced fine CsI/Tl and direct deposition technologies provide high MTF and excellent resolution
- Unique moisture-proof sealing method provides an extremely reliable CsI/Tl 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 · 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
- Ability 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 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 · CCXDI-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

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)



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

**Del Medical · Delworks EDR**

Size	Detector type	Pixel size
43 × 108 / 43 × 43 / 35 × 43 / 24 × 30 cm	GOS / CsI	140 / 148 / 160 μm



**Highlights**

- Powerful and user-friendly retrofit DR system
- Choice of wireless detectors  
E17C fixed: 43 × 43 cm  
E14C wireless, premium: 35 × 43 cm  
E2430: 24 × 30 cm  
Delworks LLI monolithic: 43 × 108 cm for long length imaging
- Single workstation for image display and processing and integrated generator control
- Delworks FIT mobile tablet-based workstation option for ultimate portability
- Cyber secure and HIPAA compliant Windows 10 operating system

**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
- 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 – 175 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 GL**

Size	Detector type	Pixel size
43.2 × 124.5 cm	GOS	150 μm




**Highlights**

- Patented IIS technology provides low dose DR longview imaging and simplified acquisition compared to CR
- Single exposure capture and reduced acquisition time compared to multi-exposure DR
- Increased patient safety and comfort through faster exam completion and lower dose

**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

DR Detectors

**Konica Minolta · AeroDR 2S**

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

**Konica Minolta · AeroDR HD**

<b>Size</b> 14×17"	<b>Detector type</b> CsI	<b>Pixel size</b> 100 µm
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**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**

<b>Size</b> 14×17"	<b>Detector type</b> CsI	<b>Pixel size</b> 150 µm
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**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

**Konica Minolta · AeroDR HQ range**

<b>Size</b> 10x12" / 14x17" / 17x17"	<b>Detector type</b> CsI	<b>Pixel size</b> 175 µm
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**Highlights**

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

**medigration · DR Retrofit-Kit DX | Vision**

<b>Size</b> 35×43 cm	<b>Detector type</b> a-Si/CsI	<b>Pixel size</b> 148 µm
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**Highlights**

Wireless, portable detector with WLAN and Battery

- Easy integration into an existing X-ray system
- 100% touch-capable user interface
- Cordless and lightweight wireless flat panel detector
- For the use with mobile X-ray systems
- Auto-trigger mode (AED function) – No need to synchronise with the generator
- Excellent image quality through an integrated operating program with HARMONY image processing
- Detector format: 35×43 cm

**Protac · RAPIXX tethered / Mobile detectors**

<b>Size</b> 43 × 36 cm / 43 × 43 cm	<b>Detector type</b> CsI / GOS	<b>Pixel size</b> 139 / 150 µm
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**Highlights**

- Detector size: 43×36 cm / 43×43 cm
- 16 bit dynamic range
- Cable connection, lightweight: 3.7 kg
- Predestined for simple Retrofitting of existing X-ray units due to dimensions equal to conventional X-ray cassette (ISO 4090 compliant)
- High shock tolerance portable flatpanel detector
- Interface box, power supply and Conaxx 2 image acquisition software included in standard delivery – fully DICOM compatible for integration to PACS

## DR Detectors

## Protec · RAPIXX WiFi detectors

Size	Detector type	Pixel size
43 × 36 cm / 43 × 43 cm	CsI / GOS	139 / 150 μm

## Highlights

- Complete set of wireless detector incl. two batteries, Conaxx 2 DR-software (X-ray generator connection as option)
- Detector size:  
43 × 36 cm / 43 × 43 cm
- Detectors are ISO 4090 compliant, existing Bucky can be used for DR Retrofit
- Just one flatpanel required for integration into bucky table + wall stand
- 16-bit dynamic range and high DQE for excellent image quality in three seconds
- Lightweight: < 3.0 kg



## 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



## 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



## Visaris · Avanse

Size	Detector type	Pixel size
43 × 36 cm / 43 × 43 cm	CsI	100 – 150 μm

## Highlights

- Through a highly integrated digital acquisition console provides exceptional imaging ergonomics, diagnostic flexibility and reliability
- Improves image quality and diagnostic reliability
- Reduces operating costs, exam times and dosages
- Makes your workflow more efficient
- Image things you could not before
- Turn your existing system into DR affordably
- Various detector brands and configurations



## Mobile DR

## Agfa HealthCare · 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 HealthCare · DR 100e**

<b>Power</b> 32 kW	<b>Width</b> 61.8 cm	<b>Weight</b> 252 kg
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**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

**Del Medical · MDR**

<b>Power</b> 40 kW	<b>Width</b> 57.6 cm	<b>Weight</b> 435 kg
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**Highlights**

- Affordable all-in-one mobile digital radiography solution
- Compact design with fully collapsible column
- Fully integrated DELWORKS DR workstation with choice of detectors
- Effortless maneuverability, allowing navigation through tight spaces
- Motor assisted inching from the tube head
- On board detector charging
- Convenient storage for wireless detector, grids batteries, wipes, and lead apron
- 35 × 43 cm / 24 × 30 cm detectors
- Pixel size: 148 μm

**DRgem · Topaz**

<b>Power</b> 32 / 40 kW	<b>Width</b> —	<b>Weight</b> —
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**Highlights**

- System concept: 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
- Detector type: GOS / Csl
- Detector format: 17×14", wireless

**Examion · X-DRS Mobile Pro 320**

<b>Power</b> 32 kW	<b>Width</b> 57.6 cm	<b>Weight</b> 397 kg
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**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**

<b>Power</b> 32 kW	<b>Width</b> 56 cm	<b>Weight</b> 440 kg
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**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 Csl, 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"

**Fujifilm · FDR nano**

<b>Power</b> 2.5 kW	<b>Width</b> 55 cm	<b>Weight</b> 90 kg
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**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

Mobile DR

**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

**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% 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
26 – 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% wireless communication for effortless usage at patient's bedside
- Detector sharing with X-ray rooms

**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

**Primax International · Raybow XE**

Power	Width	Weight
20 / 32 / 40 / 50 kW	54 cm	520 kg



**Highlights**


- Raybow XE redefines the concept of point-of-care imaging
- Design centered on User and Patient needs, delivering great improvements in power, reliability, image quality and ergonomics
- Effortless maneuverability and energy autonomy thanks to its exclusive patented Easy Moving System with Energy Recovery technology
- Telescopic Column for full visibility when driving and easy access to any area
- High-end WiFi portable detector and imaging software for effective operability and profitability



Mobile DR

**Primax International · Raybow Flex DR**

<b>Power</b> 4 / 8 kW	<b>Width</b> 67 cm	<b>Weight</b> 94 kg
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**Highlights**

- Perfectly adapted for external use, in mobile hospitals for emergency, rural locations and difficult places
- Solid design adapts to any type of outdoor or indoor environment
- The dark coating offers greater resistance, perfect cleaning and disinfection and it is perfect for an intensive use
- Thanks to the on-board touch screen, our powerful PRIMO imaging software and a wide choice of wireless flat panels, diagnostic power is at hand

**Protac · Proslide 32 SR**

<b>Power</b> 32 kW	<b>Width</b> 59.6 cm	<b>Weight</b> 240 kg
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**Highlights**

- Very compact light-weight unit
- Powerful 32 kW generator for comprehensive application range
- Rotation arm enables outstanding handling flexibility
- Touchscreen operation with fully digital DR configuration

**Protac · Proslide 32 B**

<b>Power</b> 32 kW	<b>Width</b> 57.6 cm	<b>Weight</b> 397 kg
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**Highlights**

- High-end motorized mobile X-ray system
- Powerful 32 kW generator for comprehensive application range
- Telescopic arm enables perfect positioning even in difficult conditions
- Front sensors to avoid collision
- System autonomy of > 8000 mAs

**Shimadzu · MobileDaRt Evolution MX8**

<b>Power</b> 32 kW	<b>Width</b> 56 cm	<b>Weight</b> 440 kg
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**Highlights**

- Motor-driven, compact system with collapsible column for easy positioning
- 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**

<b>Power</b> 32 kW	<b>Width</b> 56 cm	<b>Weight</b> 440 kg
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**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 field through LEDs
- Fully DICOM compliant
- WLAN connectivity
- mAs range: 0.32 – 320

**Siemens Healthineers · Mobilett Elara Max**

<b>Power</b> 35 kW	<b>Footprint</b> 127.8 cm (l) × 59.8 cm (w)	<b>Weight</b> Approx. 380 kg
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**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
- The MAX effect: Combine with other MAX systems for additional benefits in standardization, savings and satisfaction
- Detector: 35 × 43 cm (MAX wi-D)  
24 × 30 cm (MAX mini)

**Mobile DR**

**Solutions for tomorrow · IM1 – 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

Powered by Canon 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 · Movix DReamy**

Power	Width	Weight
20/32/40/50 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 wireless detectors with different Stephanix modalities
- Based on capacitive technology for effortless handling

**Stephanix · Movix 4/8 DReam**

Power	Width	Weight
4/8 kW	78 cm	94 kg




**Highlights**

- Lightweight, less than 100 kg
- Design for in /outdoor operation
- Well-suited for applications at patient bedside, traumatology, paediatrics
- Foldable system easy to store and to transport on field
- Same interface as Stephanix RAD rooms, intuitive with unlimited APR
- Secondary generator control console on monoblock tube head
- Shareable solution
- kV Range: Up to 125 kVp

**SternMed · Xenox M100**

Power	Operation	Motorized
32 kW	Mains	No



**Highlights**

- Light weight
- 32 KW rated power suitable for wide clinical applications
- kV range: from 40 to 125 kV
- mAs range: 0.5 to 200 mAs
- Exposure time range: 1ms – 1.3s
- Articulated arm suitable for different X-Ray positions
- User-friendly workstation with 15" LCD touch screen
- Advanced APR function
- Advanced flat panel technology- amorphous silicon
- Automatic image processing
- Multiple peripheries including USB, DICOM and burning CD

**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

Mobile DR

**Technix · TMB 320 / TMS 320 DR**

<b>Power</b> 32 kW	<b>Width</b> 57.6 cm	<b>Weight</b> 412 kg
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**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**

<b>Power</b> 32 kW	<b>Width</b> 70 cm	<b>Weight</b> 240 kg
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**Highlights**

- Light and maneuverable unit with small footprint
- 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**

<b>Power</b> 30 kW	<b>Width</b> 62 cm	<b>Weight</b> 220 kg
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**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**

<b>Power</b> 40 kW	<b>Width</b> 57.6 cm	<b>Weight</b> 435 kg
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**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**

<b>Power</b> 32 kW	<b>Width</b> 61.8 cm	<b>Weight</b> 170 kg
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**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

**Villa Sistemi Medicali · Visitor T30 M-DR**

<b>Power</b> 32 kW	<b>Width</b> 57.6 cm	<b>Weight</b> 412 kg
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**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

Mobile DR

**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

**Visaris · Vision M**

Power	Width	Weight
2.4 / 3.2 kW	66 cm	45 kg



**Highlights**

- The first portable X-ray cart designed around digital imaging
- Automatic APR setting of the X-ray head
- Control generator settings from laptop
- Modern, ergonomic design
- Protective, fixed laptop mount
- Secure DR panel storage bin
- Advanced anatomy driven image processing
- Repeat / Reject Analysis
- Simple three step exam workflow
- Complete DICOM integration
- Wireless flat panel detector
- Detector type: Csl
- Pixel size: 139 – 150 μm

Flatpanel Fluoro

**Agfa HealthCare · DR 800 (Fluoroscopy)\***

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

*\* Not available in Canada*




**Highlights**

Dynamic 3-in-1 direct radiography system offering real time images for fluoroscopy, 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

**Canon · Xantara**

Power	Detector type	Pixel size
80 kW	Csl	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 · Zexira /FPD**

Power	Detector type	Pixel size
80 kW	Csl	148 μm



**Highlights**

- General radiography abdominal / skeletal).
- Non-vascular contrast-enhanced studies of the spine, intervertebral disks, joint cavities, biliary tract, nerve block procedures, etc.
- Non-vascular IVR (ERCP, PTC, biopsy, ileus tube, etc.).
- Angiography (abdomen, shoulders, upper / slower trunk and cervical spine, etc.).
- Vascular IVR (simple angioplasty, maintaining the dialysis paths, etc.)
- Detector size: 43 × 43 cm

**Canon · Ultimax-i**

Power	Detector type	Pixel size
80 kW	Csl	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.
- Detector size: 43 × 43 cm



Flatpanel Fluoro

Canon · Raffine-i

<b>Power</b> 80 kW	<b>Detector type</b> CsI	<b>Pixel size</b> 143 µm
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**Highlights**

A busy department or clinic requires reliable technology that responds flexibly to a wide range of clinical demands with outstanding diagnostic performance. Raffine-i, Canon Medical's intelligent R/F system, covers an extensive diagnostic portfolio with high image quality, exceptional workflow efficiency and effective dose control. The system's wide tabletop combines excellent mobility with the highest level of safety and comfort for both the staff and patients.



Canon · Adora DRFi

<b>Power</b> 80 kW	<b>Detector type</b> CsI	<b>Pixel size</b> 160 µm
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**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



Del Medical · Apollo DRF 4.0\* by Villa

<b>Power</b> 65 – 80 kW	<b>Detector type</b> a-Si / CsI	<b>Pixel size</b> 148 µm
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**Highlights**

- All-in-one, direct radiography and fluoroscopy system with remote controlled table
- Ultimate positioning flexibility – 90-degree tilt in both directions, motorized column tilting and SID adjustment up to 180 cm with head to toe patient coverage
- Advanced digital tomosynthesis functionality
- Unrestricted table patient weight limit of 284 kg
- Sensitive and dose conscious 43×43 cm dynamic flat panel detector for high quality real-time or static images
- Intuitive user interface



\* Available for US market only

GMM Group · Opera T90 Sharp – Remote-controlled system

<b>Power</b> 50 kW – 80 kW	<b>Detector type</b> a-Si	<b>Pixel size</b> 139 µm – 148 µm
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**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

<b>Power</b> 50 kW – 80 kW	<b>Detector type</b> a-Si	<b>Pixel size</b> 139 µm – 148 µm
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**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

<b>Power</b> 50 kW – 80 kW	<b>Detector type</b> a-Si	<b>Pixel size</b> 139 µm – 148 µm
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**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





**Flatpanel Fluoro**

**GMM Group · Clisis Evolution – Remote controlled**

<b>Power</b> 65 – 80 kW	<b>Detector type</b> a-Si	<b>Pixel size</b> 139 – 148 µm
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**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**

<b>Power</b> 80 kW	<b>Detector type</b> Csl	<b>Pixel size</b> 160 µm
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**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

**NRT · Adora DRFi – Powered by Canon DR**

<b>Power</b> 80 kW	<b>Detector type</b> Csl	<b>Pixel size</b> 160 µm
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**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**

<b>Power</b> 65/80 kW	<b>Detector type</b> Csl	<b>Pixel size</b> 139 µm
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**Highlights**

- Premium R/F system with dynamic flat panel detector
- 2nd 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**

<b>Power</b> 50/80 kW	<b>Detector type</b> Csl	<b>Pixel size</b> 160 µm
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**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\***

<b>Power</b> 80 kW	<b>Detector type</b> Csl	<b>Pixel size</b> 160 µm
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**Highlights**

- Premium patient-side R/F system with dynamic flat panel detector
- FPD size: 17×17" (43×43 cm)
- 2nd 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

Flatpanel Fluoro

Siemens Healthineers · Luminos dRF Max

<b>Power</b> 65 / 80 kW	<b>Detector type</b> a-Si / Csl	<b>Pixel size</b> 148 µm
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**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
- The MAX effect: Combine with other MAX systems for additional benefits in standardization, savings and satisfaction
- Detector size: 43 × 43 cm (MAX detector) 35 × 43 cm (MAX wi-D) 24 × 30 cm (MAX mini)

Siemens Healthineers · Multitom Rax

<b>Power</b> 65 / 80 kW	<b>Detector type</b> a-Si / Csl	<b>Pixel size</b> 148 µm
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**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
- Detector size: 43 × 43 cm (RAX detector ) 35 × 43 cm (MAX wi-D) 24 × 30 cm (MAX mini)

Siemens Healthineers · Luminos Agile Max

<b>Power</b> 65 / 80 kW	<b>Detector type</b> a-Si / Csl	<b>Pixel size</b> 148 µm
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**Highlights**

- Stronger synergies – with a true 2-in-1 solution
- Sharper imaging – for fast, confident diagnosis
- Safer use – to protect patients and technologists
- The MAX effect: Combine with other MAX systems for additional benefits in standardization, savings and satisfaction
- Detector size: 43 × 43 cm (MAX detector) , 35 × 43 cm (MAX wi-D), 24 × 30 cm (MAX mini)

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

<b>Power</b> 65 / 80 kW	<b>Detector type</b> a-Si / Csl	<b>Pixel size</b> 148 µm
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**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
- Detector size: 43 × 43 cm

Stephanix · D<sup>2</sup>RS 90/90

<b>Power</b> Up to 80 kW	<b>Detector type</b> a-Si / Csl	<b>Pixel size</b> 148 µm / 160 µm
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**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 · D<sup>2</sup>RS

<b>Power</b> Up to 80 kW	<b>Detector type</b> a-Si / Csl	<b>Pixel size</b> 148 µm / 160 µm
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**Highlights**


- Unmatched patient coverage
- Patient weight up to 310 kg
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- 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

ORIGINE FRANCE GARANTIE  
BY Cert. 6182197

**Flatpanel Fluoro**

**Villa Sistemi Medicali · Apollo DRF 4.0**

<b>Power</b> 65 – 80 kW	<b>Detector type</b> a-Si / CsI	<b>Pixel size</b> 148 µm
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**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
- Available with DSA and stitching options
- Detector size: 43 × 43 cm

**Villa Sistemi Medicali · Apollo EZ DRF 4.0**

<b>Power</b> 65 – 80 kW	<b>Detector type</b> a-Si / CsI	<b>Pixel size</b> 148 µm
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**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**

<b>Power</b> 65 – 80 kW	<b>Detector type</b> a-Si / CsI	<b>Pixel size</b> 148 µm
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**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

**Visaris · Vision Air**

<b>Power</b> 50 / 65 / 80 kW	<b>Detector type</b> CsI	<b>Pixel size</b> 100 – 150 µm
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**Highlights**

- State-of-the-art universal radiography system with fully automatic robotic positioning
- With ceiling suspended tube and detector stands, single suspension elevating patient table and a single, high quality dynamic flat panel detector, the Air is capable of virtually all radiography examinations
- It adds RF capability to conventional DR room, solving the problem of low productivity of RF

**DXA**

**DMS Imaging · Stratos**

<b>Detector</b> Photomultiplier	<b>System</b> HF Monoblock Generator	<b>Scan method</b> 2 D-fan beam
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**Highlights**

- Technology: Digital fast beam
- The complete solution for an optimal fracture risk diagnosis in routine
- Full options including paediatric and orthopedic software
- Exams can be performed in only 60 seconds per site
- Powerful easy-to-use software
- Compatible with new 3D-DXA technology to provide trabecular and cortical bone information with reference curves.
- Body composition application for weight management, tracking fat and lean tissue

**DMS Imaging · Stratos DR**

<b>Detector</b> 256 elements	<b>System</b> HF Monoblock Generator	<b>Scan method</b> Pencil beam
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**Highlights**

- Technology: 2D-Fan Beam
- Detector: 256 elements, highest image resolution
- Complete solution for an optimal fracture risk diagnosis
- Full options including paediatric and orthopedic software
- Powerful easy-to-use software
- Exams can be performed in only 30 seconds in routine mode
- Compatible with new 3D-DXA technology to provide trabecular and cortical bone information with reference curves.
- Body composition application for weight management, tracking fat and lean tissue

Accessories / Complementary Systems

Canon Electron Tubes & Devices · XRR-3332 X



**Highlights**

- 3 inch ROTANODE X-ray tube assembly for Mobile systems
- 20% smaller size / 22% lighter weight housing than previous model
- High power input: 46 kW/20 kW (0.1 s)
- XRR-3332X is useful for designing smaller and excellent mobile system.
- 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) 870W (Anode heat dissipation)

Canon Electron Tubes & Devices · XRR-6652 X



**Highlights**

- 4 inch ROTANODE X-ray tube assembly for RF systems
- 20% smaller housing than previous model
- Can be used as a replacement part for similar models
- Size: 0.8 / 0.3 (Focal Spot)
- Power: 52 kW / 12 kW (Input Power)
- Capacity: 600 kHU (Anode heat capacity) 1670W (Anode heat dissipation)
- High throughput (1000W 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% 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) 1,200W (Anode heat dissipation)

Canon · OrthoMod3D



**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**  
32 / 40 / 52 kW

**Detector type**  
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

DRgem · GXR series – X-Ray generator

**Standard**  
32 / 40 / 52 / 68 / 82 kW

**Capacitor**  
32 / 40 / 52 kW

**UPS**  
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



# PROTEC

## Simply X-ray



### PROTEC PRS 500 B

## Innovative X-ray technology made in Germany

PROTEC is the synonym for state-of-the-art X-ray technology, designed to offer the highest treatment comfort for patients and medical staff. Sharper, faster and more accurate images enable doctors all over the world to obtain an extensive overview for a clear diagnosis. PROTEC – made in Germany.

### The perfect alternative to ceiling mounted systems

The PRS 500 B is a motorized X-ray system with automatic tracking for versatile application and high patient numbers. Thanks to the integrated, intelligent auto tracking control it offers a highly comfortable, fast and efficient daily workflow. Supporting any exposure technique the system provides you with excellent image quality for an extensive and clear diagnosis.

A large touch screen monitor in combination with the CONAXX 2 acquisition software enables users to control the system simple and intuitively. 360° rotation of the complete tube column allows maximum application flexibility, ideal for immobile patients that have to be X-rayed in bedside. Therefore, the PRS 500 B is the perfect cost-saving alternative to ceiling mounted systems.

### Symbiosis of manual and motorized

In 35 years of manufacturing X-ray technology we learned that in the daily work flow nothing is more important than performing fast, accurate and patient comfortable X-ray examinations. A drawback of purely motorized systems in aligning as fast as a manual movement can be overcome:

the PRS 500 B combines manual and motorized movements in a perfect symbiosis for the benefit of the user.

While manual movements are supported by precise distance and angle information, the auto tracking system aligns various movements e.g. the SID motorized and automated. As the result users and patients benefit from immense time savings and less examination strain.

Precision, ease of operation and highest treatment comfort – that's what PRS 500 B stands for.

### Auto Stitching

The fully digital auto-stitching function of the PRS 500 B is an outstanding solution for spine and full leg examinations. After selecting a stitching examination, the system is automatically positioning itself. Users are guided through all necessary preparation steps directly on the touch screen monitor.

To ensure maximum patient comfort the positioning is carried out in the last step before the actual exposure. With the start of the imaging process, collimator and wall stand automatically position themselves for the relevant partial images. A preview allows you to accept each exposure immediately. After final exposure the complete image is stitched together and ready for diagnosis within seconds.

To prevent projections resulting in blurred stitching images, the PRS 500 B uses a new innovative collimator technology. It automatically fades in all required exposures from a single position and a distance of three meters. This results in razor sharp edges and stitching images for a clear and safe diagnosis.

[www.protec-med.com](http://www.protec-med.com)





Accessories / Complementary Systems

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 XRay tube, specifically designed for remote controlled table and digital systems
- Enhanced anode heat dissipation, provided by high emittance coating and target design
- Severe tests during conditioning assure reliable performances
- High anode heat storage for repeated loading
- Ground glass window for consistent HVL
- Variety of housings allows flexible systems configurations

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

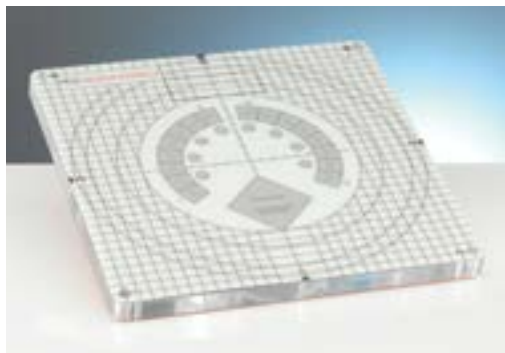
PTW · Diamentor RS / Diamentor C-RS – Wireless DAP systems



**Highlights**

- Wireless DAP System
- Integrated DAP chamber and DAP electronics housing (Diamentor RS)
- Automatic air density correction of DAP measurements (Diamentor RS)
- Highly integrated electronics (Diamentor C-RS)
- Available with RS232 or RS485 interface
- Optional Diamentor BT interface for wireless data transfer from DAP Meter to an X-ray 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 x 300 mm or 200 x 200 mm

PTW · Nomex Multimeter



**Highlights**

- Dosimetry system, CE marked, class IIb certified, acc. to IEC 61674
- Single exposure captures all dose values, kVp, time, TF, HVL, frequency, pulses and waveforms
- Angular independent for positioning within the beam
- Fully automatic adjustment
- Data and waveform export to Excel
- Accessories: Normi RAD/FLU test object

# Molecular Imaging

PET-MR  
PET-CT  
SPECT-CT  
SPECT

**Canon**

**SIEMENS**  
Healthineers

PET-MR

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

PET-CT

Canon · Celesteion

System sensitivity	Energy resolution (NEMA)	Field of view
13.5 / 23.7 cpm/kBq	11.2 %	196 mm axial



Highlights

- PURE VISION detector
- 90 cm bore CT / 88 cm bore PET
- 70 cm FOV
- AIDR 3D iterative reconstruction
- SEMAR (Metal Artifact Reduction)
- Respiratory gating (option)
- Oncology table top (option)
- SURE TRaCE detector
- 394 ps typical TOF Timing Resolution
- Point Spread Function
- Registration accuracy and repeatability

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<sup>3</sup>
- 3.2 mm LSO crystals
- Fast time of flight at 214 ps\*\*
- High effective sensitivity at 100 cps/kBq\*\*
- 100 % 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 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.

\* Biograph Horizon is not commercially available in all countries. Due to regulatory reasons, its future availability cannot be guaranteed. Please contact your local Siemens Healthineers organization for further details.

Siemens Healthineers · Biograph 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 than BGO crystals
- Large 78 cm bore and table capacity of 227 kg (500 lb)
- FlowMotion continuous bed motion

**RAD** BOOK 2020


Please visit us at

[www.healthcare-in-europe.com](http://www.healthcare-in-europe.com)

SPECT-CT

**Siemens Healthineers · Symbia Intevo**

System sensitivity	Energy resolution (NEMA)	Field of view
202 cpm / $\mu$ Ci	–	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% lower CT dose\* with CARE Dose4D and up to 80% lower injected dose\* with IQ-SPECT to reduce patient radiation risk
- Productivity tools and IQ-SPECT save time and can double patient throughput

\* 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 / $\mu$ Ci	–	533 × 387 mm




**Highlights**

- SPECT with integrated CT for attenuation correction and anatomical localization
- Flash 3D enables up to 45% higher reconstructed resolution\* than conventional SPECT 3D iterative reconstruction
- Largest CT field-of-view\* enables physicians to more accurately localize lesions
- IQ-SPECT enables up to 80% lower injected dose\* or shorter imaging time, increasing patient comfort and satisfaction

\* 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


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SPECT

**Siemens Healthineers · Symbia Evo**

System sensitivity	Energy resolution (NEMA)	Field of view
202 cpm / $\mu$ Ci	–	533 × 387 mm




**Highlights**

- Save up to 50%\* more time and potentially double patient throughput with automated quality control and collimator exchange, as well as ultra-fast cardiac imaging
- Image every patient\*\* and improve patient comfort with a larger bore; a high-capacity, low-height patient bed; and hospital bed imaging capabilities
- Industry-leading\* image quality delivers accurate and reproducible clinical information to support physicians' diagnostic confidence

\* 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 / $\mu$ Ci	–	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

**AGFA**   
HealthCare

 **IMAGE**  
Information Systems

**JVC**

 **medigration**



**KONICA MINOLTA**

 **nexus | chili**  
imaging & radiology solutions

Displays – Mammo  
Displays – Color  
Displays – Grayscale  
DVD Import  
DVD Burner  
Printers



Displays – Mammo

**JVC · MS-S500**

Panel size	Resolution	Max. Luminance
21.3"	2,048×2,560/2,048×7,680	3,000 cd/m <sup>2</sup>



**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

**JVC · CL-S500**

Panel size	Resolution	Max. Luminance
21.3"	2,048×2,560	1,150 cd/m <sup>2</sup>




**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

Displays – Color

**JVC · CCL650i2**

Panel size	Resolution	Max. Luminance
30"	3,280×2,048	800 cd/m <sup>2</sup>



**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/m <sup>2</sup>



**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/m <sup>2</sup>



**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

**JVC · CL-S300**

Panel size	Resolution	Max. Luminance
21.3"	2,048×1,536	1,000 cd/m <sup>2</sup>




**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

Displays – Color

**JVC · CCL196**

Panel size	Resolution	Max. Luminance
19"	1,280 × 1,024	800 cd/m <sup>2</sup>




**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"	2MP	300 cd/m <sup>2</sup>



**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/m<sup>2</sup> screen
- 2MP 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 / m <sup>2</sup>



**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 · MS25i2**

Panel size	Resolution	Max. Luminance
21.3"	1,600 × 1,200 / 4,800 × 1,200	1,900 cd / m <sup>2</sup>




**Highlights**

- Panel Technology: IPS
- 1,400:1 contrast ratio
- True 11 Bit grayscale
- ISD Support
- Front and ambient light sensor
- Remote management and calibration
- Integrated power supply
- DVI and DisplayPort interface
- LED Backlight

**JVC · ME195**

Panel size	Resolution	Max. Luminance
19.1"	1,280 × 1,024	1,400 cd / m <sup>2</sup>



**Highlights**

- Panel technology: IPS
- 1,000:1 contrast ratio
- Brightness stabilization
- DVI and Video input to connect modality systems

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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

medigation · 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 x 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 HealthCare · Drystar Axis

Technology	Capacity	Resolution
Direct digital imaging	75 films /h (14x17)	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 HealthCare · Drystar 5503

Technology	Capacity	Resolution
Direct digital imaging	100 films /h (14x17)	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



Agfa HealthCare · Drystar 5301

Technology	Capacity	Resolution
Direct digital imaging	70 films /h (14x17)	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



Printers

Agfa HealthCare · Drystar 5302

<b>Technology</b> Direct digital imaging	<b>Capacity</b> 75 films/h (14×17)	<b>Resolution</b> 320 dpi
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**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

<b>Technology</b> Laser	<b>Capacity</b> 180 films/h	<b>Resolution</b> 530 dpi
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**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

<b>Technology</b> Laser	<b>Capacity</b> 110 films/h	<b>Resolution</b> 508 dpi
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**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

<b>Technology</b> Laser	<b>Capacity</b> 90 films/h	<b>Resolution</b> 320 dpi
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**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**

GCTechnology GmbH

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## Ultrasound

### Canon · Aplio a

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, MicroFlow imaging
- 4D (surface, MPR, MultiView, Luminance)
- Smart Fusion, Strain and Shearwave elastography, MicroPure, Auto IMT, AUTO NT, Wall Motion Tracking



### 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 Shearwave elastography, Dispersion Imaging (WIP), MicroPure, Auto IMT, AUTO NT, Wall Motion Tracking



### 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 Shearwave elastography, MicroPure, Auto IMT, AUTO NT, Wall Motion Tracking



### 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 Quad View Shearwave elastography, MicroPure, Auto IMT, AUTO NT, Wall Motion Tracking



### 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
- CEUS; Advanced CEUS incl. VRI, MicroFlow 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 500

Frequency range	Display mode	Display size
1.8–18 MHz	2D / 3D / 4D	21.5"

#### Highlights

- High Density Beamformer, Precision Imaging, ApliPure+, Differential THI, TSO, ADF, Superb Micro Vascular Imaging
- CEUS; Advanced CEUS incl. VRI, MicroFlow imaging and CEUS quantification
- 4D (surface, MPR, MultiView, Luminance)
- FlyThru virtual endoscopy, Smart Fusion, Strain and Shearwave elastography, MicroPure, Auto IMT, AUTO NT, Wall Motion Tracking



Ultrasound

**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, MicroFlow imaging
- 4D (surface, MPR, MultiView, Luminance)
- Smart Fusion, Strain and Shearwave elastography, MicroPure, Auto IMT, AUTO NT, Wall Motion Tracking

**Canon · Aplio 400**

Frequency range	Display mode	Display size
1.8–18 MHz	2D/3D/4D	21.5"



**Highlights**

- High Density Beamformer, Precision Imaging, ApliPure+, Differential THI, TSO, ADF, Superb Micro Vascular Imaging
- CEUS; Advanced CEUS incl. VRI, MicroFlow imaging and CEUS quantification
- 4D (surface, MPR, MultiView, Luminance)
- Smart Fusion, Strain and Shearwave elastography, MicroPure, Auto IMT, AUTO NT, Wall Motion Tracking

**Canon · Aplio 300**

Frequency range	Display mode	Display size
1.8–18 MHz	2D/3D/4D	21.5"



**Highlights**

- High Density Beamformer, Precision Imaging, ApliPure+, Differential THI, TSO, ADF, Superb Micro Vascular Imaging
- CEUS; Advanced CEUS incl. VRI, MicroFlow imaging and CEUS quantification
- 4D (surface, MPR, MultiView, Luminance)
- Smart Fusion, Strain and Shearwave elastography, MicroPure, Auto IMT, AUTO NT, Wall Motion Tracking

**Canon · Xario 200 Platinum Edition**

Frequency range	Display mode	Display size
1.8–18 MHz	2D/3D/4D	19"



**Highlights**

- High Density Beamformer, Precision Imaging, ApliPure+, Differential THI, Tissue Enhancement
- Enhancement, Advanced Dynamic Flow, Superb Microvascular Imaging (SMI)
- 4D-imaging; surface rendering, MPR, MultiView, Freehand 3D, Luminance
- Realtime Shearwave elasto with propagation curves, strain elasto, Auto IMT, Stress Echo, 2D Wall Motion Tracking, CEUS contrast imaging
- iStyle+ productivity suite with fully customizable panel, agile housing, height adjustable console, panel swivel, Quick Start, Quick Scan & Quick Assist

**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
- 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 100 Platinum Edition**

Frequency range	Display mode	Display size
1.8–18 MHz	2D/3D/4D	19"



**Highlights**

- 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, CEUS contrast imaging
- iStyle+ productivity suite with fully customizable panel, agile housing, height selectable console, Quick Start, Quick Scan & Quick Assist

## Ultrasound

### Canon · Xario 100G

Frequency range  
1.8–18 MHz

Display mode  
2D/3D/4D

Display size  
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, Apli-Pure+, Differential THI, Tissue Enhancement, Advanced Dynamic Flow
- 4D-imaging; surface rendering, MPR, MultiView, Freehand 3D, Luminance
- Realtime elastography, Auto IMT, Stress Echo,
- 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 c100

Frequency range  
1.5–18 MHz

Display mode  
2D/3D/4D

Display size  
15"

#### Highlights

- Up to two hours battery autonomy, 15 inch screen display
- High Density Beam former, Compounding, Speckle reduction, THI, Tissue Enhancement
- 3D-imaging: surface rendering, Virtual HD, depth cueing
- Auto IMT, needle enhancement, Quick Scan
- Magnesium alloy housing, height adjustable on cart, Quick Start (eight seconds from standby).



### Canon · Viamo sv7

Frequency range  
1.5–12 MHz

Display mode  
2D

Display size  
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. Precision Plus, Aplipure+, Cardiac measurement kit and OB measurement package kit are pre-installed.



### Hitachi · Arietta 850SE

Frequency range  
1–22 MHz

Display mode  
3D/4D

Display size  
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
- Advanced modalities: SWM, ATT, Real-time Elastography, CEUS, RVS Fusion, Needle and Body Motion tracking, 3D/4D
- Advanced analysis: TIC, eTracking, WI, 2DTT, Protocol assistant, Auto Measurements



### Hitachi · Arietta 850

Frequency range  
1–22 MHz

Display mode  
3D/4D

Display size  
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
- 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  
1–18 MHz

Display mode  
3D/4D

Display size  
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




Ultrasound

**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: 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




**Hitachi · Arietta 50LE**

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 with fully articulating monitor arm
- Transducers for GI
- Advanced modalities: CEUS




**Hitachi · Arietta Precision**

Frequency range	Display mode	Display size
1 – 18 MHz	2D	21.5"

**Highlights**

- For surgical use, full range of transducers
- High image quality – uses same advanced image processing technologies as high-end systems
- 21.5" monitor incorporates a full touch panel
- Tablet-style remote allowing a flexible layout in the OR
- Simple and intuitive to use with automatic image optimisation and presets
- All parts fully compatible with commonly-used disinfectant procedures



**Hitachi · Arietta Prologue**

Frequency range	Display mode	Display size
1 – 18 MHz	2D	12"

**Highlights**

- For POC use, Scan-Synch function
- Compact design, high mobility, in-built battery for portable use
- Simple and intuitive to use, tablet-style with touch screen control
- Hand carry, can be used with probe tray or cart
- Ethernet, Wi-Fi, Bluetooth network connections
- Option of 14 transducers, offers high quality imaging for a broad range of applications including MSK, rheumatology, emergency medicine, anaesthesiology




**Konica Minolta · Sonimage HS1**

Frequency range	Display mode	Display size
Up to 18 MHz	2D	15"

**Highlights**

- Triad Tissue Harmonic Imaging (3THI)
- SNV – Simple Needle Visualization
- Newly developed multi-frequency probes up to 18 Mhz
- Portable system with built-in battery
- Start-up from standby within 15 seconds
- Excellent for MSK/orthopaedic, nerve, vascular and anaesthesia
- Rotatable and tilttable 15 inch touchscreen
- Weight: 7.8 kg





## Ultrasound

### Konica Minolta · Sonimage MX1

Frequency range Up to 14 MHz	Display mode 2D	Display size 12.1"
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#### Highlights

- Portable Point-of-Care ultrasound
- Dual Sonic Technology
- Tailored for MSK & Anesthesia
- One-touch image optimization for quick diagnosis
- Multi Parameter Adjuster function
- Simple Needle Visualization (SNV) for guided injections
- High quality – Made in Japan
- Weight: 4,5 kg

### Mindray Medical · Resona 7

Frequency range 1 – 20 MHz	Display mode 3D/4D	Display size 21.5"
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#### 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 · Resona 6

Frequency range 1 – 20 MHz	Display mode 3D/4D	Display size 21.5"
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#### Highlights

- Powered by ZST+ platform, the next generation ZONE Sonography Technology based on Channel Domain Software processing.
- A premium ultrasound system that helps customers to see more.
- Faster and more accurate images.
- Complete functionality for Radiology and clinical research

### Mindray Medical · DC-80 with X-Insight

Frequency range 1 – 20 MHz	Display mode 3D/4D	Display size 21.5"/23.8"
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#### 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 1 – 20 MHz	Display mode 3D/4D	Display size 23.8"
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#### 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 1 – 20 MHz	Display mode 3D/4D	Display size 13.3"/21.5"/23.8"
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#### 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

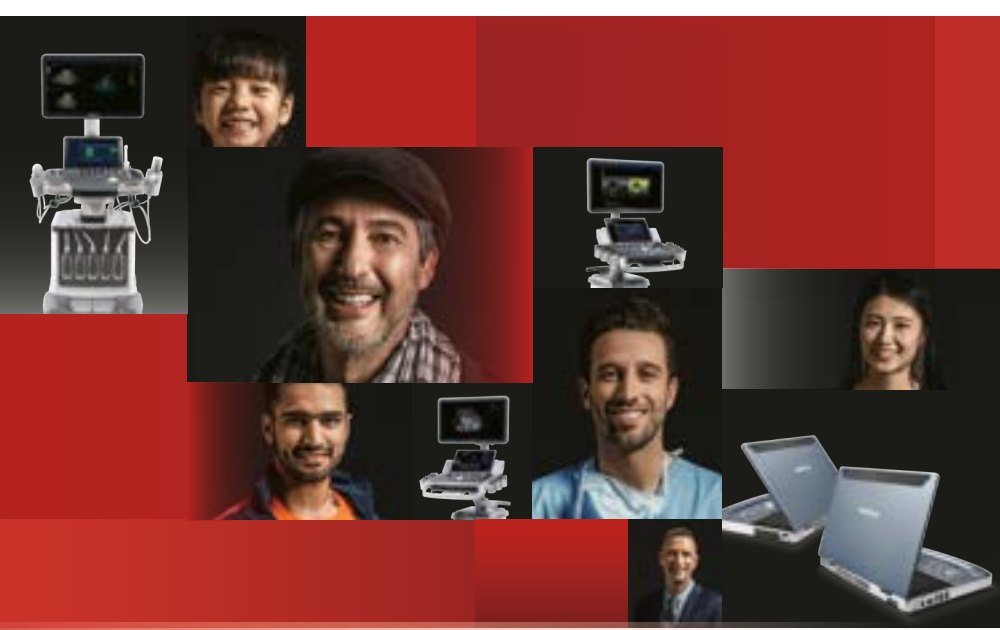
**Mindray Medical · M9**

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 multiple clinical settings
- Intelligent workflow with iTouch (one key image optimisation)
- User-defined operation to improve work efficiency



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## Ultrasound

### Mindray Medical · DC-60 Exp with X-insight

Frequency range	Display mode	Display size
1 – 16 MHz	3D / 4D	21.5"



#### Highlights

- Quality exams guaranteed by 3T transducer technology and Echo-enriched beamformer
- Obtain realistic view of the fetus via iLive technology
- MedSight, interactive app to transfer clinical images via iOS or android powered smart device
- Range of application specific auto measurement packages to improve productivity

### 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 response providing simple control and setting optimization
- Touch-screen gestures such as pinch to zoom in or out
- Three second boot up from standby and swift touch response of settings
- Equipped with efficiency-boosting features eSpatial Navi, iNeedle+, AutoEF, iZoom, iTouch and Smart Track
- Easy to transport and store, can be mounted on trolley, desktop table or wall

### Mindray Medical · Z.One PRO

Frequency range	Display mode	Display size
1 – 14 MHz	3D / 4D	17"



#### Highlights

- ZONE Sonography Technology (ZST) featured
- Focused image across the full field of view
- Faster acoustic acquisition
- Patient specific imaging
- Novel Techniques
- Mobile system with battery
- Weight: 66 kg

### 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

### Samsung · RS85 Prestige

Frequency range	Display mode	Display size
–	3D / 4D	23.8"



#### Highlights:

- Premium ultrasound system that adopted the integrated solution built with exquisite image quality and expert tools
- Advanced imaging functions (HQ-Vision, PureVision, MV-Flow, LumiFlow)
- Quantitative measurement tools (S-Shear-wave, S-Shearwave Imaging, EzHRI, TAI, TSI)
- Interventional procedure (S-Fusion for Liver, S-Fusion for Prostate)
- Contrast enhanced ultrasound (CEUS+)
- Diagnostic guidance tool (S-Detect)
- Elastography for breast with strain ratio (E-Breast, E-Strain)
- Needle guidance tools (S-Tracking, NeedleMate+)
- 23.8" LED monitor / 13.3" tilting touch screen

Ultrasound

**Samsung · RS80 EVO**

Frequency range	Display mode	Display size
—	3D/4D	23"

**Highlights:**

- Premium ultrasound system that offers superior imaging performance for radiology
- Interventional procedure (S-Fusion)
- Contrast enhanced ultrasound (CEUS+)
- Quantitative measurement tools (S-Shearwave, S-3D Arterial Analysis)
- Advanced imaging function (HQ Vision)
- Elastography for breast with strain ratio (E-Breast, E-Strain)
- Diagnostic guidance tool (S-Detect)
- Needle guidance tools (S-Tracking, NeedleMate+)
- 23" LED monitor / 13.3" tilting touch screen



**Samsung · HS70A with Prime**

Frequency range	Display mode	Display size
—	3D/4D/5D	23"

**Highlights:**

- High-end ultrasound system enables high efficiency in practice
- Diagnostic guidance tool (S-Detect)
- Contrast enhanced ultrasound (CEUS+)
- Quantitative measurement tools (S-Shearwave, Arterial Analysis)
- Elastography for breast with strain ratio (E-Breast, E-Strain)
- Cardiac solutions (Strain+, Stress Echo)
- Needle guidance technology (NeedleMate+)
- 23" LED monitor / 10.1" touch screen




**Samsung · HM70A with Plus**

Frequency range	Display mode	Display size
—	3D/4D	15"

**Highlights:**

- Laptop design to suit various diagnostic environments
- Advanced imaging functions (ClearVision, HDVI, S-Flow)
- Simple and accurate intima-media thickness measurement (Auto IMT)
- Highly sensitive elastography (ElastoScan)
- Needle guidance technology (NeedleMate)
- User-oriented features (ADVR, EZ-Exam+, QuickScan)
- Fast booting within 20 sec
- Full screen mode
- 15" LED monitor / Optional cart (3 transducer ports / extended battery)



**Samsung · HS60**

Frequency range	Display mode	Display size
—	3D/4D/5D	21.5"

**Highlights:**

- High-end ultrasound system with versatile diagnostic solutions
- Advanced imaging functions (S-Harmonic, ClearVision, S-Flow)
- Simple and accurate intima-media thickness measurement (Auto IMT+)
- Elastography for breast with strain ratio (E-Strain)
- Cardiac solution (Strain+)
- Needle guidance technology (NeedleMate+)
- User-oriented features (Quick Preset, EZ-Exam+, QuickScan)
- 21.5" LED monitor / 10.1" touch screen




**Samsung · HS50**

Frequency range	Display mode	Display size
—	3D/4D/5D	21.5"

**Highlights:**

- Slim and compact ultrasound system for wide applications range
- Advanced imaging functions (S-Harmonic, ClearVision, S-Flow)
- Simple and accurate intima-media thickness measurement (Auto IMT+)
- Highly sensitive elastography (ElastoScan)
- Needle guidance technology (NeedleMate+)
- User-oriented features (Quick Preset, EZ-Exam+, QuickScan)
- 21.5" LED monitor / 10.1" touch screen



**Samsung · HS40**

Frequency range	Display mode	Display size
—	3D/4D/5D	21.5"

**Highlights:**


- Fully equipped ultrasound system for everyday efficiency
- Advanced imaging functions (S-Harmonic, ClearVision, MultiVision)
- Simple and accurate intima-media thickness measurement (Auto IMT+)
- Cardiac solution (Strain+)
- Needle guidance technology (NeedleMate+)
- User-oriented features (Quick Preset, EZ-Exam+, QuickScan)
- 21.5" LED monitor / 10.1" touch screen / Gas lift / Side pocket



## Ultrasound

### Samsung · HS30

Frequency range	Display mode	Display size
–	2D	21.5"



**Highlights:**

- Ultrasound system which represents efficient performance and intelligent design
- Advanced imaging functions (S-Harmonic, ClearVision, S-Flow)
- Simple and accurate intima-media thickness measurement (Auto IMT+)
- Needle guidance technology (NeedleMate+)
- User-oriented features (EZAssist, EZ-Exam+, EZCompare)
- 21.5" LED monitor / Side pocket

### Siemens Healthineers · Acuson Sequoia Ultrasound System

Frequency range	Display mode	Display size
1 – 17.8MHz	2D	15.6" / 22"




**Highlights**

- Unique BioAcoustic technology delivers highest signal fidelity for deep tissue penetration without impacting diagnostic quality of up to 40 cm
- Ultra-fast, fully focused B-mode imaging without degradation of near or far field resolution. Color flow and color sensitivity without flashing or artifacts
- Advanced applications, such as contrast-enhanced ultrasound and elastography allow a personalized approach to provide accurate and reproducible results

### Siemens Healthineers · Acuson X600

Frequency range	Display mode	Display size
1.3 – 11.4MHz	2D / 3D / 4D	20"




**Highlights**

- Optimized workflow to improve patient throughput
- QuickStart standby mode to facilitate rapid mobility between scanning rooms
- 3D / 4D imaging with new ergonomic, lightweight transducers

### Siemens Healthineers · Acuson P500

Frequency range	Display mode	Display size
1.3 – 16MHz	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 S Family Ultrasound Systems

Frequency range	Display mode	Display size
1 – 18MHz	2D / 3D / 4D	12.1 / 21.5"



**Highlights**

- Superior imaging performance in general imaging, interventional radiology and women's health with next generation HD transducer technology
- Advanced applications to expand clinical capabilities: eSieFusion multi-modality imaging, ARFI shear wave & manual elastography, contrast-enhanced ultrasound
- Intuitive, user-centric workflow design with simplified control panel to eliminate unnecessary keystrokes

### Siemens Healthineers · Acuson Juniper Ultrasound System

Frequency range	Display mode	Display size
1.1 – 18MHz	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 16 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



Ultrasound

**Siemens Healthineers · Acuson NX3 Elite**

Frequency range 1.3 – 16 MHz	Display mode 2D/3D/4D	Display size 10.4" / 21.5"
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**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**

Frequency range 1.3 – 12 MHz	Display mode 2D/3D/4D	Display size 10.4" / 21.5"
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**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 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**

Frequency range 2 – 10 MHz	Display mode 2D	Display size 21.5"
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**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

**Siemens Healthineers · Acuson NX2**

Frequency range 2 – 10 MHz	Display mode 2D	Display size 21.5"
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**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**

Frequency range 1.25 – 10 MHz	Display mode 2D/3D/4D	Display size 21.5"
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**Highlights**

- One-click automated aortic and mitral valve modeling and measurements within seconds with eSie Valves
- Capable of 2D and 4D TTE, TEE, and ICE and TrueFusion on one system
- Comprehensive 1-click knowledge-based advanced clinical 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

**Siemens Healthineers · Acuson S2000 Breast Volume Scanner**

Frequency range 1 – 18 MHz	Display mode 2D/3D/4D	Display size 12.1 / 21.5"
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**Highlights**


- Automated volume acquisition for operator-independent, standardized 3D imaging to enable consistent, reproducible results improving the quality of breast imaging
- Excellent 2D imaging capabilities using hand-held high-frequency HD transducers
- Advanced technologies to expand clinical capabilities: manual and shear wave elastography, multi-modality review
- Read anytime. Anywhere. syngo.Ultrasound Breast Analysis reading software



Ultrasound

**Siemens Healthineers · Acuson Freestyle Elite**

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**

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

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**SIUI · Apogee 6500**

Transducer inputs	Display mode	Display size
5	3D/4D	23" / 13.3"



**Highlights**

- Radiology: SEQ (Shearwave Elastography Quantification) with convex probe is a quantitative assessment tool for easy measurement of tissue hardness; CHI empowers the detection and qualitative diagnosis of tumors in liver, kidney and other organs
- Cardiology: Auto EF, Auto SG, AMM (Anatomic M-mode)
- OB/GYN: Auto OB supports auto measurements of HC, C, FL, BPD; Lumi 4D is an image rendering processing technology to present more lifelike 4D image with higher resolution
- MSK Anesthesia: Needle enhancement, Panoscope (Panoramic Imaging), MFI (Macro Fidelity), Xbeam (Multi-beam Forming Technology)
- Urology & Anorectal: Convenient diagnosis without discomfort with convex probe, linear probe, transrectal linear probe and transrectal bi-plane probe

**SIUI · Apogee 6300**

Transducer inputs	Display mode	Display size
4	3D/4D	23" / 13.3"



**Highlights**

- Radiology: Contrast Imaging empowers the detection and qualitative diagnosis of tumors in liver, kidney and other organs
- Cardiology: Auto EF automatically measures cardiac volumes based on speckle tracking technology; Auto SG is the automated quantitative assessment of both global and regional myocardial functions; TDI helps to assess the myocardium movement ability, by TDI-PW to calculate the velocity and the ratio E/E', A/A'
- OB/GYN: Auto OB supports auto measurements of HC, AC, FL, BPD; Lumi 4D
- SIUI MAI: Available for remote pre-sales demonstration, remote application and technical instructions, online public classes etc.

**SIUI · Apogee 5800 Genius**

Transducer inputs	Display mode	Display size
6	3D/4D	23" / 13.3"



**Highlights**

- SEQ (Shearwave Elastography Quantification) offers a much more accurate way to detect disease of some deeper organs
- Ultrasound Contrast Imaging applies in clinical difficult parts such as 2D liver, 4D oviduct contract imaging etc.
- Professional functions like Auto EF, Auto Strain, Stress Echo offers ideal clinical solutions for cardiology
- SIUI MAI: Available for remote pre-sales demonstration, remote application and technical instructions, online public classes etc.

Ultrasound

**SIUI · Apogee 5500**

Transducer inputs	Display mode	Display size
4	3D/4D	19" / 10.4"

**Highlights**

- iF design award, 19" medical LED monitor / 10.4" touch screen, detachable gel warmer cup
- Exclusive technology including Balanced echo compensation, Fuzzy logic flow, Nanopure and Nanoview boosts satisfactory image quality
- Comprehensive assessment tools insure confident diagnosis in cardiology, OB/GYN, MSK etc.
- SIUI MAI



**SIUI · Apogee 5300 (upgrade 2.0)**

Transducer inputs	Display mode	Display size
4	3D/4D	19" / 10.4"

**Highlights**

- 19" medical LED monitor / 10.4" touch screen, distinct control panel with intuitive layout
- Promising image quality relies on newly upgrade technology including Fusion THI 2.0, Xbeam, Balanced echo compensation, VS Flow and 5Q probe technology
- Needle enhancement facilitates visualized practice
- Auto IMT accomplishes accurate assessment
- Quick EF enables efficient diagnosis
- 4D nSlice, Any cut and Opti-4D carries out effortless scanning



**SIUI**

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facilitate your exam*

Explore  
SR-1000 IBUS 60  
at ECR 2020  
Booth: X5, NO.506



## Ultrasound

### SIUI · Apogee 5300V Neo

Transducer inputs 4	Display mode 3D / 4D	Display size 10.4"
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#### Highlights

- Ergonomic design with 10.4" touch screen
- Advanced technology: MFI, Nanoview, XBeam, FusionFreq, Fusion THI etc.
- Innovative diagnostic tools: ECG,TDI, CW, VS Flow, Smarchive
- Complete application: Abdomen, reproductive systems, cardiology, etc.
- Powerful data management including report, hard disk, DICOM 3.0, USB ports and DVD-RW
- General application: Canine, feline, bovine, equine



### SIUI · Apogee 3500 Elite

Transducer inputs 4	Display mode 3D / 4D	Display size 18.5" / 8.4"
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#### Highlights

- 18.5" LED monitor / 8.4" touch screen, independent probe and cable management
- OB / GYN: The system supports both abdominal and transvaginal volumetric probes to realize 3D/4D imaging in OBG, and linear probes with Elastography image
- Cardiology: The system is endowed with complete functions and professional cardiac measurement packages with over 800 items
- Radiology: The system boasts all functions for radiology including VS Flow, Panoscope, Needle enhancement etc.



### SIUI · Apogee 3300V Neo

Transducer inputs 4	Display mode 3D / 4D	Display size 18.5"
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#### Highlights

- 18.5" medical LCD monitor
- Advanced technology: Balanced echo compensation, Fuzzy logic flow, Fusion THI 2.0, Xbeam 2.0
- Innovative diagnostic tools: ECG,TDI,CW,VS Flow, Smarchive
- Complete application package: Auto IMT, AMM, Needle enhancement, etc
- Efficient auto solutions including Auto fit, Auto trace, Auto volume and Quick EF



### SIUI · Apogee 3300 Neo

Transducer inputs 4	Display mode 3D / 4D	Display size -
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#### Highlights

- Lower down power supply avoids current interference
- Leading imaging technology: Balanced echo compensation delivers much more uniform image, Fuzzy logic flow enhance flow sensitivity, Fusion THI 2.0 presents image with enhanced resolution and tissue contrast, Xbeam 2.0 increases spatial resolution
- Complete application package in women's healthcare, cardiovascular and radiology fulfills your need
- Efficient auto solutions including Auto fit, Auto trace, Auto volume, Quick EF etc



### SIUI · Apogee 2300V

Transducer inputs 2	Display mode 3D / 4D	Display size 15"
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#### Highlights

- Compact design: 15" medical LED with tilting angle, user-orientated control panel, detachable Li-ion batteries, optional accessories including trolley, probe extender, backpack, carry case etc.
- Advanced imaging technology: MFI, VS Flow, Nanoview, XBeam etc.
- Full functional application packages: CW, PW, TDI, user-oriented workflow etc.
- General application: Canine, feline, bovine, equine, ovine, porcine



### SIUI · Apogee 2300

Transducer inputs 2	Display mode 3D / 4D	Display size 15"
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#### Highlights

- All-round application packages like Auto EF, Auto SG, 4D Pro, Elastography, Needle enhancement, render abundant clinical solutions
- Daily diagnosis relies on simple and smart workflow: Smarchive, complete and professional measurement package across applications, user-friendly setting, and professional report system
- MSK Anesthesia: Needle enhancement, Panoscope (Panoramic Imaging), MFI (Macro Fidelity), Xbeam (Multi-beam Forming Technology)
- Urology & Anorectal: Convenient diagnosis without discomfort with convex probe, linear probe, transrectal linear probe and transrectal bi-plane probe



Ultrasound

**SIUI · Apogee 2100**

Transducer inputs 2	Display mode 3D/4D	Display size 15"
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**Highlights**

- 15" LED monitor with wild tilting angle, detachable battery, various external interfaces, light weight
- Promising performance from advanced technology: MFI, Xbeam, VS Flow
- Versatility across different applications: 4D Pro, Elastography, Panoscope etc.
- Convenient workflow facilitates efficiency: intuitive interface, Smarchive, professional clinical diagnosis and report system, general application measurement package, DICOM 3.0

**SIUI · Apogee 2100V**

Transducer inputs 2	Display mode 3D/4D	Display size 15"
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**Highlights**

- 15" LED monitor with titling angle
- User-oriented control panel, operate fluently
- Replaceable Li-ion batteries support 1 hour continuous scanning
- Leading image technology: MFI, Nanoview, XBeam, Fusion THI etc.
- General application: Canine, feline, bovine, equine, ovine, porcine

**SIUI · Apogee 1000 Lite**

Transducer inputs 1	Display mode 2D	Display size 15"
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**Highlights**

- 15" LED monitor tip-back up to 125°
- Detachable battery with working time about 6 – 7 hours when fully charged
- Operational accessories: Cable for car cigarette lighter, car battery charger
- A variety of professional probes cover all applications including OBG, Cardiology, Urology, abdomen, small parts etc.

**SIUI · Apogee 1000V Neo**

Transducer inputs 1 / optional 2 or 4	Display mode 2D	Display size 15"
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**Highlights**

- 15" monitor 90° left and right rotatable
- Duplex built-in battery, standby time up to 1.5 hours
- Operational accessories: Mini desktop probe extender, trolley and travelling backpack
- Advanced image technology: MFI, Nanoview, XBeam, FusionFreq, Fusion THI
- General application: Canine, feline, bovine, equine, ovine, porcine

**SIUI · Apogee 1000 Neo**

Transducer inputs 1/ extender 2 or 4	Display mode 2D	Display size 15"
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**Highlights**

- 15" LED monitor 90° left and right rotatable
- Duplex built-in battery, standby time up to 1.5 hours
- Operational accessories: mini desktop probe extender, trolley and travelling backpack
- Neonatology & pediatrics: Transducers designed for neonatal cerebral, cardiac examination, abdomen examination and infant hip joints measurement
- Smart tools allow easy and confident diagnosis: MFI (Macro Fidelity), Nanoview, TDI and Simpson Auto Tracing

**SIUI · CTS-8800 Plus Color**

Transducer inputs 2	Display mode 3D/4D	Display size 15"
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**Highlights**

- 15" LED monitor, built-in lithium battery
- Enhanced B/W image and upgradable color Doppler package
- Advance imaging technology: Speckle reduction technology, Trapezoidal imaging, Smart one key optimization, Pulsed Wave Doppler, Smarchive
- Value-added clinical solutions: Versatile 4D Lite, Xbeam, Panoramic, SonoAir



## Ultrasound

### SIUI · CTS-8800V Plus

Transducer inputs 2	Display mode 2D/3D	Display size 15"
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#### Highlights

- 15" LED monitor
- Built-in lithium battery
- Enhanced B/W images, PW imaging and upgradable color Doppler package
- Advanced imaging technology: Spatial compound imaging, Speckle reduction technology, Trapezoidal imaging etc.
- General application: Canine, feline, bovine, equine

### SIUI · CTS-800

Transducer inputs 1	Display mode 2D	Display size 7"
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#### Highlights

- Hand held ultrasound scanner for farm animals
- 7" WVGA LCD monitor
- Environmental rating: IP54 (main unit) and IP67 (probe head)
- Three hours operating time
- Software and report for reproductive system
- Gravity sensor for layout change (trans-verse/vertical)
- Measurement for distance, area, circumference, volume, angle, heart rate
- Video glasses

### SIUI · IBUS 60

Transducer inputs 4	Display mode 3D	Display size 21.3"/15"/10.4"
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#### Highlights

- Intelligent breast volume ultrasound system, third of its kind in the world
- Offers high resolution image and reduces missed diagnosis, ideal for breast and dense breast exams
- Acquires data from multi-section, multi-angle and multi-direction
- Coronal scanning intuitively shows anatomical information of breast tissue
- Exceptional diagnosis experience: 3D-positioning, Nanopure speckle reduction technology, breast health report system, mute scanning

### SuperSonic Imagine · Aixplorer Mach 30

Frequency range 1 – 20 MHz	Display mode 3D	Display size 23"
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#### Highlights

- Modern ergonomic design to maximize comfort and drive efficiency
- Intuitive SonicPad, up to 77 % less hand gestures and 32 % reduction of exam time
- Next-generation of UltraFast imaging, up to 20 kHz frame rate
- Exceptional image quality to handle exams with confidence
- Real-time Elastography ShearWave PLUS with larger box and increased frame rates. Optimized on a wide range of probes and applications

## Accessories / Complementary Systems

### GCTechnology · CIRS Phantoms



Fetal ultrasound phantom family



Multimodality abdominal phantom

#### Highlights

- Doppler flow phantom
- Quality assurance test phantoms
- Ultrasound accreditation phantoms
- Male and female ultrasound pelvic phantoms
- Thyroid ultrasound training phantom
- Prostate phantom family – Breast phantom family
- Kidney training phantom
- Vascular access training phantom kit
- Shear wave liver fibrosis phantoms
- Elastography phantoms

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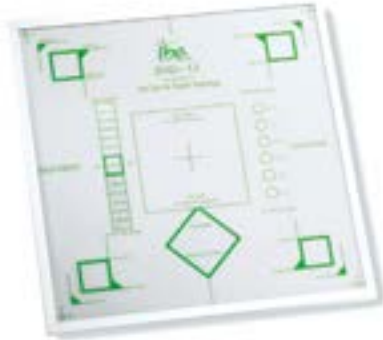


# Testing Devices



## Testing Devices

### IBA Dosimetry · DIGI-13



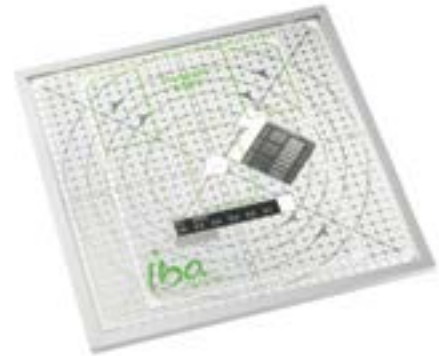
#### Highlights

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 Adult Head anulus, 16 cm diameter, 4 holes
- 1 Adult Body anulus, 32 cm diameter, 4 holes
- 1 Pediatric Phantom, 10 cm diameter, 5 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:

- Copper 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



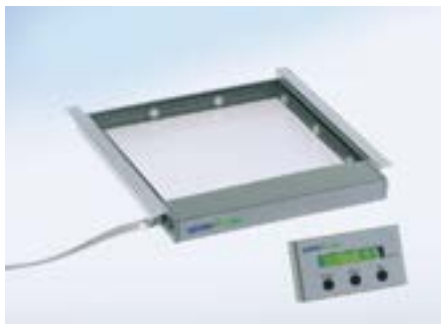
#### Highlights

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 Illuminance in combination with LXcan

### IBA Dosimetry · KermaX plus SDP



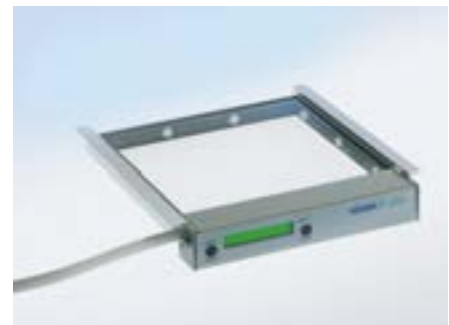
#### Highlights

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  $\mu\text{Gym}^2/\text{s}$  – 3,000  $\mu\text{Gym}^2/\text{s}$
- DAP resolution: 0.01  $\mu\text{Gym}^2$
- Interface: 1 x 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  $\mu\text{Gym}^2/\text{s}$  – 3,000  $\mu\text{Gym}^2/\text{s}$
- DAP resolution: 0.01  $\mu\text{Gym}^2$
- 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  $\mu\text{Gym}^2/\text{s}$  – 3,000  $\mu\text{Gym}^2/\text{s}$
- DAP resolution: 0.01  $\mu\text{Gym}^2$
- Interface: 2 x RS 232 (RIS/HIS and printer)

### IBA Dosimetry · KermaX plus TinO IDP



#### Highlights

Two in One – Dose Area Product and dose measurements in one Chamber. Rectangular, transparent ionization chamber with integrated 10-digit internal background lighting LCD display for easy and smart installation at collimator rails.

Measurement parameter:

- DAP rate: 0.01  $\mu\text{Gym}^2/\text{s}$  – 3,000  $\mu\text{Gym}^2/\text{s}$
- DAP resolution: 0.01  $\mu\text{Gym}^2$
- 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 to 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 · DVT AP Cone-Beam CT Test Phantom



**Highlights**

- The Quart DVT AP 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 to DIN 6868-161 requirements) as well as angiography in C-arm x-ray applications (manufacturer-specific applications). Based on latest research, the solution can also be utilised for standard CT IQ tests.

Quart · DVT 150 CBCT IQ Test Phantom



**Highlights**

- The Quart DVT 150 phantom is designed to meet the requirements of the German DIN 6868-150 x-ray imaging acceptance test standard.
- Handling and positioning of the phantom is easy and straight-forward. It enables quick and simple contrast resolution tests for 3D, ENT and angiography x-ray applications.

Quart · mam / digi Mammography IQ Phantom



**Highlights**

- The Quart mam / digi phantom is designed to be used as universal tool for QA / QC routine testing in digital and analog mammography. The phantom creates a link between technical and clinical image quality. It can also be used as QA tool for digital tomosynthesis.
- The phantom incorporates Quart's unique Landolt ring objects. They serve to verify low-contrast and perceptibility limits.

Quart · SP dl R/F IQ Phantom



**Highlights**

- The Quart SP dl phantom enables assessment of digital x-ray equipment according to the German DIN 6868-150 and DIN 6868-4.
- The phantom is available with a unique kV test object to assess radiation quality and generator performance on a routinely basis.
- For ease of use, a frame / extension is provided as well as a wire-mount system for use with wall stand units.

Quart · 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

### 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).

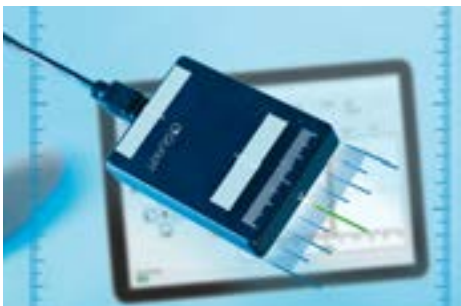
#### Quart · didoSVM Precision Survey Meter



##### 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 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 quality assurance instrument
- Includes all of the capabilities of the Accu-Gold Touch system
- Supports the full range of x-ray modalities incorporating the most extensive sensor selection in the industry
- Rechargeable Battery provides hours of continuous use
- Embedded memory storage
- The Touch Pro includes wired and wireless (wifi) computer interfaces
- A computer interface allows automated report generation – when your measurements are done, your report is done
- Powerful waveform analysis tools provide a deeper understanding of the x-ray system

Radcal · Accu-Gold Touch



Highlights

- A comprehensive stand alone diagnostic test instrument
- Supports the full range of x-ray modalities incorporating the most extensive sensor selection in the industry
- Access to Radcal's full line of solid-state, ion chamber, and mA sensors
- Includes a large easy-to-read 5" touchscreen display
- Simple, accurate, and reliable measurement of Dose, Dose Rate, KV, HVL, Filtration, Pulse parameters, and mA
- Provides the ability to simultaneously measure with solid-state and ion chamber sensor
- Rechargeable Lithium Ion Battery provides hours of continuous use
- Embedded memory stores all measurement data for over 10,000 exposures

Radcal · Accu-Gold+



Highlights

- The most versatile dose measurement instrument available
- An excellent solution for Radiography, Fluoroscopy, Mammography, CT, and Dental applications
- Supports Radcal's full line of ion chambers and solid-state dose sensors
- Complimentary Accu-Gold software incorporates an easy-to-use interface customizable for your individual needs
- A streamlined Excel interface allows automated report generation – when your measurements are done, your report is done.
- Powerful waveform analysis tools provide a deeper understanding of the x-ray system
- Secure WiFi connectivity is available with the (optional) Nugget adapter

Radcal · Accu-Dose+



Highlights

- The most versatile dose measurement instrument available
- An excellent solution for all X-ray modalities
- Supports Radcal's full line of ion chambers and solid-state dose sensors
- Complimentary Accu-Gold software incorporates an interface customizable for your individual needs
- A computer interface allows automated report generation
- Powerful waveform analysis tools provide a deeper understanding of the x-ray system
- Secure WiFi connectivity is available with the (optional) Nugget adapter

RTI Group · Ocean software



Highlights

Minimise your working time with the market-leading software for X-ray QA. Versatile, traceable and swift, Ocean provides simple-to-use features for routine inspection – using Quick Check – through to highly customisable QA programs for deep analysis and record keeping in Ocean professional. Ocean is central to RTI's X-ray solutions and is compliant with all our product lines.

RTI Group · CT Ion Chamber



Highlights

Launched amid much fanfare at RSNA 2019, the new CT Ion Chamber 10 cm and CT Ion Chamber 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. They can also be used with the older Barracuda and Solidose 400.

# Testing Devices

## Testing Devices

### RTI Group · Cobia



#### Highlights

The RTI Cobia family offers a straightforward instrument that everyone who needs to make reliable quality control can use. All Cobias are tailored for efficiently measuring a variety of radiography and fluoroscopy parameters. All four models are wireless, have bluetooth connection and are fully compliant with RTI's Ocean software. Run your Cobia in English or choose from several languages.

### RTI Group · Piranha



#### Highlights

The Black Piranha is RTI's premium platform for advanced, reliable QA. The Piranha Multi 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. All Piranha models are compliant with RTI's Ocean software and come with bluetooth connection. Automatic connection to various RTI accessories – just plug 'n' play.

### VacuTec · 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<sup>2</sup>
- Resolution Dose: 0.005 mGy
- Interface: RS485, RS232, Bluetooth, CAN
- 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<sup>2</sup>
- 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<sup>2</sup>
- Resolution Dose: 0.003 mGy
- Interface: RS485, RS232, Bluetooth, CAN
- Active area: 123 × 123 mm / 147 × 147 mm

	Computed Tomography	MRI	Injectors	Interventional Systems	Artificial Intelligence	IT Systems	Mammography	R/F Film-Screen	R/F Digital	Molecular Imaging	Displays	Printers	Ultrasound	Testing Devices
<b>AB-CT – Advanced Breast-CT GmbH</b> Henkestrasse 91 91052 Erlangen, Germany Tel +49 9131 97310 0 ask.crm@ab-ct.com www.ab-ct.com	15						67							
<b>Agfa HealthCare</b> Septestraat 27 2640 Mortsel, Belgium tel +32 3 444 94 44 agfahealthcareinfo.be@agfa.com www.agfa.com						53 54 55 59 62 63			82 83 96 97 101 102 107			121 122		
<b>AlgoMedica Europe GmbH</b> Waldhofer Strasse 102 69123 Heidelberg, Germany tel +49 6221 321 8715 info@algotmedica.eu www.algotmedica.com					50	55								
<b>allMRI GmbH</b> Südstrasse 23 74226 Nordheim, Germany tel +49 71 33 2 37 02 20 mail@allmri.com www.allmri.com		30 31												
<b>BMS Informationstechnologie GmbH</b> Diesterweggasse 7/1 1140 Vienna, Austria tel +43 1 524 81 34 00 info@bms-austria.com www.easydose.eu						55 63 64								
<b>Bracco Injengineering S.A.</b> Avenue de Sévelin 46 1004 Lausanne, Switzerland tel +41 21 621 74 00 info.injengineering@bracco.com www.imaging.bracco.com			33 36			55 64								
<b>Canon Medical Systems Europe B.V.</b> Zilverstraat 1 2718 RP Zoetermeer, The Netherlands tel +31 79 368 92 22 eu.medical.canon	7 8 12 15	25 26		38 39 40	50	54 55 60 61	67	73 75	84 85 107 108 112	116			124 125 126	
<b>Canon Europe NV</b> 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						65			84 89 90 92 98 99 105 109					
<b>Canon Electron Tubes &amp; Devices Co., Ltd</b> 1385 Shimoishigami Otawara-Shi, Tochigi 324-8550, Japan tel +81 287 26 66 66 https://etd.canon/eng	16			48					97 98 112					
<b>Cefa s.c.</b> Via Selice Provinciale 23A 40026, Imola (BO), Italy tel +39 045 820 27 27 info@newtom.it www.newtom.it	15													
<b>DEL MEDICAL</b> 28 Calvert Street, Harrison, NY 10528, USA Tel : +1 800 261-9808 241 Covington Drive, Bloomingdale, IL 60108, USA Tel: +1 800 800-6006 www.delmedical.com				44		53 54 55			85 86 99 102 108					

# Companies & Suppliers

	Computed Tomography	MRI	Injectors	Interventional Systems	Artificial Intelligence	IT Systems	Mammography	R/F Film-Screen	R/F Digital	Molecular Imaging	Displays	Printers	Ultrasound	Testing Devices
<b>DK Medical Systems Co.,Ltd</b> 18. Baumoe-ro 7gil, Seocho-gu, Seoul, 06762, Korea tel +82-2 529 6190 global@dk.co.kr www.dk.co.kr				45					86 87					
<b>DMS Imaging</b> 393 rue Charles Lindbergh 34130 Manguio, France tel +33 467 50 49 00 www.dms-imaging.com							68		96 111					
<b>DRGEM Corporation</b> 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								75	87 88 99 102 112					
<b>Philips Medical Systems DMC GmbH</b> Röntgenstrasse 24 22335 Hamburg, Germany marketing.dunlee@philips.com www.dunlee.com		17	29											
<b>EXAMION GmbH</b> Erich-Herion-Strasse 37 70736 Fellbach, Germany tel +49 711 12 00 02-0 info@examion.com www.examion.com						53 54 55	70	73 76	82 88 96 99 102 114					
<b>Febromed GmbH &amp; Co. KG</b> Am Landhagen 52 59302 Oelde, Germany tel +49 25 22 30-532 fax +49 25 22 30-8489 info@febromed.de www.febromed.com		21	31											
<b>FUJIFILM Medical Systems Europe</b> Heesenstrasse 31 40549 Düsseldorf, Germany tel + 49 211 5 08 90 www.fujifilm.eu		12 13			50	53 54 55 56 60 61 64	67		88 99 102					
<b>GCTechnology GmbH</b> Freidling 12 84172 Buch am Erlbach, Germany tel +49 87 06 94 15 00 info@gctech-gmbh.com www.gctech-gmbh.com		21	31	48			70	78					138	
<b>GMM GROUP</b> Via Partigiani, 25 24068 Seriate (BG), Italy tel +39 035 452 53 11 info@gmmspa.com www.gmmspa.com				42 45				73	88 89 103 108 109					
<b>Guerbet</b> BP 57400 95943 Roissy CdG Cedex, France tel +33 145 91 50 00 LF@guerbet.com www.guerbet.com			33 34 36			55 64								
<b>Hitachi Medical Systems Europe (Holding) AG</b> Sumpfstrasse 13 6300 Zug, Switzerland tel +41 41 748 63 33 welcome@hitachi-medical-systems.com www.hitachi-medical-systems.com		8 13	26 28 29										126 127	



	Computed Tomography	MRI	Injectors	Interventional Systems	Artificial Intelligence	IT Systems	Mammography	R/F Film-Screen	R/F Digital	Molecular Imaging	Displays	Printers	Ultrasound	Testing Devices
<b>Hologic bvba</b> Da Vincilaan 5, Building Caprese 1930 Zaventem, Belgium tel +32 2711 46 80 be-info@hologic.com www.hologic.com						60								
<b>I.A.E. S.P.A.</b> Via Fabio Filzi, 53 20032 Cormano (MI), Italy tel +39 02 66 30 32 55 iaexray@iae.it www.iae.it	21			48			71	78	114					
<b>IBA Dosimetry GmbH</b> Bahnhofstrasse 5 90592 Schwarzenbruck, Germany tel +49 91 28 607-14 dosimetry-info@iba-group.com www.iba-dosimetry.com														140 141 142
<b>IMAGE Information Systems Europe GmbH</b> Lange Strasse 16 18055 Rostock, Germany tel +49 381 496 58 20 info@image-systems.biz www.image-systems.biz						54 55 56 62 63					120			
<b>IMS Giotto S.p.A.</b> – GMM GROUP – Via Sagittario, 5 40037 Sasso Marconi (BO), Italy tel +39 51 84 68 51 imscmm@imgiotto.com www.imgiotto.com							67 68 70							
<b>INTERMEDICAL SRL</b> Via E. Fermi, 26 24050 Grassobbio (BG), Italy tel +39 035 659 48 11 info@inter-med.it www.inter-med.it				42 45			67 69		89 103					
<b>i-SOLUTIONS Health GmbH</b> Am Exerzierplatz 14 68167 Mannheim, Germany tel +49 621 39 28-0 info@i-solutions.de www.i-solutions.de						54 55 56 60 64 65								
<b>ITZ Medicom GmbH &amp; Co. KG</b> Siemensring 44 a 47877 Willich, Germany tel +49 21 54 49 79 60 info@itz-medi.com www.itz-medi.com						54 55 56 57 63								
<b>JVCKENWOOD Deutschland GmbH</b> Konrad-Adenauer-Allee 1-11 61118 Bad Vilbel, Germany tel +49 21 61 69 84-180 medical-display.e@jvckenwood.com healthcare.jvc.com											119 120			
<b>Konica Minolta Business Solutions Europe GmbH Healthcare Division</b> Capellalaan 65 2132 JL Hoofddorp, The Netherlands tel +31 20 658 41 00 healthcare@konicaminolta.eu www.konicaminolta.eu/healthcare									83 89 99 100 103			122	127 128	
<b>LEONI Special Cables GmbH Business Unit Healthcare</b> Eschstrasse 1 26169 Friesoythe, Germany tel +49 44 91 291-5040 healthcare@leoni.com www.leoni-healthcare.com	22	31					71							

# Companies & Suppliers

Company	Computed Tomography	MRI	Injectors	Interventional Systems	Artificial Intelligence	IT Systems	Mammography	R/F Film-Screen	R/F Digital	Molecular Imaging	Displays	Printers	Ultrasound	Testing Devices
<b>mediaire GmbH</b> Möckernstrasse 63 10965 Berlin, Germany te +49 30 28 64 90 67 info@mediaire.de www.mediaire.de					50	55								
<b>medigration GmbH</b> Dr.-Rudolf-Eberle-Strasse 8-10 76534 Baden-Baden, Germany tel +49 72 23 966 98 60 info@medigration.de www.medigration.de						54 55 57 60 61 63 65			100		121			
<b>MEDTRON AG</b> Hauptstrasse 255 66128 Saarbruecken, Germany tel +49 681 970 17-0 info@medtron.com www.medtron.com			34 36											
<b>Medtronic International Trading Sàrl</b> Route du Molliau 31 1131 Tolochenaz, Switzerland tel +41 21 802 70 00 www.oarm.com www.medtronic.com				42										
<b>SHENZHEN MINDRAY</b> 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		29			51	55			90 103				128 129 130	
<b>NEXUS/CHILI GmbH</b> Friedrich-Ebert-Strasse 2 69221 Dossenheim / Heidelberg, Germany tel +49 62 21 180 79 10 sales@nexus-chili.com www.nexus-chili.com						54 55 57 58 61 63					121			
<b>NORAS MRI products GmbH</b> Leibnizstrasse 4 97204 Hoechberg, Germany tel +49 931 29 92 70 mri@noras.de www.noras.de		30												
<b>NRT X-RAY A/S</b> Birkegaardsvej 16 8361 Hasselager, Denmark tel +45 86 28 35 00 nrt@nrtxray.com www.nrtxray.com									90 109					
<b>Planmed Oy</b> Sorvaajankatu 7 00880 Helsinki, Finland tel +358 20 779 53 00 sales@planmed.com www.planmed.com		15					67 69 70							
<b>Primax International Srl</b> Via A.Volta, 10 24060 Torre De' Roveri, Italy tel +39 035 450 00 02 sales@primaxint.com www.primaxint.com				42					90 103 104					
<b>PROTEC GmbH &amp; Co. KG</b> In den Dorfwiesen 14 71720 Oberstenfeld, Germany tel +49 70 62 925 50 protec@protec-med.com www.protec-med.com						54 55 58		73 78	90 91 100 101 104					

	Computed Tomography	MRI	Injectors	Interventional Systems	Artificial Intelligence	IT Systems	Mammography	R/F Film-Screen	R/F Digital	Molecular Imaging	Displays	Printers	Ultrasound	Testing Devices
<b>PTW Freiburg</b> Physikalisch-Technische Werkstätten Dr. Pychlau GmbH Lörracher Strasse 7 79115 Freiburg, Germany tel +49 761 490 55-0 info@ptwdosimetry.com ptwdosimetry.com	22						71		114					
<b>QUART GmbH</b> Kirchenweg 7 85604 Zorneding, Germany tel +49 81 06 24 91 18 info@quart.biz www.quart.de														143 144
<b>Radcal Corporation</b> 426 West Duarte Road Monrovia, CA 91016, USA tel +1 626 357 79 21 sales@radcal.com www.radcal.com														145
<b>RTI Group</b> Flöjelbergsgatan 8C 43137 Mölndal, Sweden tel +46 31 746 36 27 sales@rtigroup.com www.rtigroup.com														145 145
<b>Samsung Healthcare</b> 2-dong Alpharium Tower, 145, Pangyoeyeok-ro, Bundang-gu, Seongnam-si, Gyeonggi-do, 13530, Republic of Korea tel +82 2 2194 1000 www.samsunghealthcare.com														130 131 132
<b>ScreenPoint Medical</b> Toernooiveld 300 6525 EC Nijmegen, The Netherlands tel +31 242 020 020 info@screenpointmed.com www.screenpoint-medical.com					51	55								
<b>Shimadzu Europa GmbH</b> Medical Systems Division Albert-Hahn-Strasse 6 – 10 47269 Duisburg, Germany tel +49 203 76 87-0 info@shimadzu.eu www.shimadzu-medical.eu				39 40 41 45				73 74 75 76	91 104 109					
<b>Siemens Healthineers Headquarters</b> <b>Siemens Healthcare GmbH</b> Henkestrasse 127 91052 Erlangen, Germany tel +49 800 188 188 5 siemens.com/healthineers	7 8 12 13 16	25 26 27 28		38 39 41 42 43 45 46	51	54 55 58 59 61 62 65	68 69 70	74 76	92 104 110	116 117				132 133 134
<b>Shantou Institute of Ultrasonic Instr. Co., Ltd.</b> #77, Jinsha Road 515041 Guangdong, China tel +86 754 88 25 01 50 siui@siui.com www.siui.com					51	55			96					134 135 136 137 138
<b>Solutions for tomorrow</b> Saxagårdsvägen 5 36251 Väckelsång, Sweden tel +46 10 456 4500 info@solutionsfortomorrow.se www.solutionsfortomorrow.se									105					
<b>STEPHANIX</b> 10, Rue Jean Moulin 42150 La Ricamarie, France tel +33 4 77 47 81 60 contact@stephanix.com www.stephanix.com				43 46				74 76	92 93 94 101 105 110					

# Companies & Suppliers

	Computed Tomography	MRI	Injectors	Interventional Systems	Artificial Intelligence	IT Systems	Mammography	R/F Film-Screen	R/F Digital	Molecular Imaging	Displays	Printers	Ultrasound	Testing Devices
<b>SternMed GmbH</b> Schubertstrasse 31 88214 Ravensburg, Germany tel +49 751 35 97 80 email@stermed.de www.stermed.de	13	28 29		43 46			69	77	105					
<b>SuperSonic Imagine</b> Les Jardins de la Duranne, Bât E & F 510, Rue René Descartes 3857 Aix-en-Provence, France tel +33 442 99 24 24 contactsFR@supersonicimagine.com www.supersonicimagine.com													138	
<b>Technix S.p.A.</b> Via Fermi 45 24050 Grassobbio (BG), Italy tel +39 035 384 66 11 technixd@technix.it www.technix.it				43					105 106					
<b>THERAPIXEL</b> Le Village By CA, Rue Claude Daunesse 06560 Valbonne, France Phone: +33 9 72 55 20 39 contact@therapixel.com www.therapixel.com					51	55								
<b>Ultrasound Technologies LTD</b> 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	22													
<b>VacuTec Meßtechnik GmbH</b> Dornbluethstrasse 14a 01277 Dresden, Germany tel +49 351 317 24-0 info@vacutec-gmbh.de www.vacutec-gmbh.de														
<b>Varex Imaging Deutschland AG</b> Otto-Brenner-Strasse 10 47877 Willich, Germany tel +49 21 54 92 49 80 info@vareximaging.com www.vareximaging.com	22						71							
<b>VILLA SISTEMI MEDICALI s.p.a.</b> Via delle Azalee, 3 20090 Buccinasco (MI), Italy tel +39 02 48 85 91 sales@villasm.com www.villasm.com				46			68 69 70	74 75 77 78	94 96 101 106 107 111					
<b>VISARIS d.o.o.</b> Batajnički drum 10. deo 1B 11 080 Zemun, Serbia tel +381 11 201 76 00 - fax +381 11 201 76 70 info@visaris.com https://visaris.com						54 55 59			94 95 96 101 107 111					
<b>Ziehm Imaging GmbH</b> Lina-Ammon-Strasse 10 90471 Nuremberg, Germany tel +49 911 21 72 - 0 info@ziehm.com www.ziehm.com				44 47 48										







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with myExam Companion**

**Intelligent imaging.  
Excellence empowered.**



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Our single source CT scanner SOMATOM® X.cite offers exactly that. Together with myExam Companion it launches the era of intelligent imaging. myExam Companion guides users intuitively through any procedure, adjusting key parameters to individual patients. This allows technologists of any skill level to unlock the full potential of this new

high-end system, including its Vectron™ X-ray tube and large, 82 cm bore.

No matter the patient or complexity of the procedure, SOMATOM X.cite and myExam Companion together enables users to reduce unwarranted variations – and generate consistent, comprehensive results.

SOMATOM X.cite empowers excellence in computed tomography.

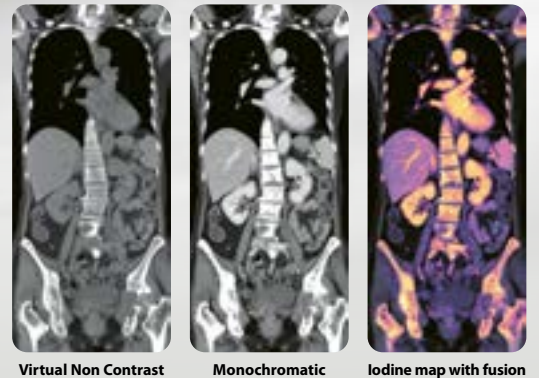
[siemens-healthineers.com/somatom-xcite](https://www.siemens-healthineers.com/somatom-xcite)

**Canon**



# **Aquilion ONE**

PRISM Edition



## **Deep Intelligence** Innovate. Illuminate. Initiate.

Introducing the all-new Aquilion ONE / PRISM Edition.

Combining the power of Deep Learning Spectral Reconstruction with our Advanced intelligent Clear-IQ Engine (AiCE), we have created a CT system that is designed for deep intelligence.

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<https://eu.medical.canon/prism>

CANON MEDICAL SYSTEMS