Member of the MAX family

The most direct way to the image

Ysio Max
Increase the return on investment for your radiography system

Every clinical institution has to offer radiography, because it’s still the most commonly used imaging procedure worldwide. Reimbursements, however, are usually low. That’s why radiography facilities are facing the challenge of how they can increase their return on investment.

The growing population is putting enormous pressure on healthcare systems around the globe. As a result, many have responded with significant cuts in reimbursement.

The challenge of staying economical
More than 25 percent of all European institutions operate with significant reimbursement cuts. ¹

¹ European Society of Radiology. The consequences of the economic crisis in radiology, Insights Imaging (2015)
Streamline your workflows with Ysio Max

From MRI and CT to ultrasound and fluoroscopy, there are many different imaging technologies available for diagnostics. Nonetheless, radiography remains essential. Low reimbursements, however, make it difficult for radiographic facilities to stay economical. How can you further streamline workflow and increase revenue?

Ysio Max offers unique automation that makes sense: for example, direct system auto-positioning, responding only to the touch of a human hand, and automatic detector identification. Thus it helps speed up examinations, increase precision and safety, and introduce a high level of standardization. The radiography system also delivers consistent, high-quality images of all patients. What’s more, Ysio Max is a modular system. You can tailor it to exactly match your clinical requirements and invest only in the components you need. Streamline your workflow and increase your revenue with Ysio Max.

Experience the MAX effect: Multiply your gains in standardization, savings, and satisfaction with Ysio Max.
Ysio Max at a glance

Unique automation

Ysio Max offers unique automation for fast and safe system positioning. So your staff can streamline and speed up workflows – and focus the patient.

Reproducible results

Every patient is different and requires individual settings. Ysio Max standardizes workflows and outcomes to obtain consistently high image quality for all patients.

Scalable to your needs

Your patient mix defines your clinical needs. Ysio Max is a modular system that can be tailored to precisely meet your requirements.
Children have different imaging needs than adult patients. From a very low table height and dedicated low-dose organ programs to special positioning aids, Ysio Max provides all you need to image children safely and efficiently.

Personalize when it matters

In modern healthcare, digitalization supports patient-centered care, from chronic disease to population health management. Being connected, however, can also bring risks like data theft and cyberattacks. Ysio Max comes with a high level of cybersecurity to support you in safeguarding your IT and sensitive patient data.

Keep your IT secure

Is Ysio Max your first MAX system? If so, then it’s your door-opener to the MAX effect. If you already own a MAX system, you can now enjoy the MAX effect of enhanced standardization, savings, and satisfaction. And the MAX effect will grow with every MAX system you add.

The MAX effect

Children have different imaging needs than adult patients. From a very low table height and dedicated low-dose organ programs to special positioning aids, Ysio Max provides all you need to image children safely and efficiently.
Unique automation – fast, simple, safe workflows

Manual system operation is time-consuming and increases the probability of mistakes and inconsistencies. Get fast and safe examinations with Ysio Max’s unique automation – independent of complexity and team composition.

Smart operation lets your staff stay with patients
Patients may feel uncomfortable when left alone. With Ysio Max, your staff can stay with them: They can control the system in the examination room and adjust all key parameters at the patient’s side.

Accuracy with the first shot
Tube positioning in a free examination no longer requires guesswork: Both the detector and tube angles are displayed directly at the tube with MAXalign.¹

Faster and safer examinations
Is your team using multiple detectors? Manually double-checking which detector is in place is time-consuming and can lead to confusion. Be sure with the Ysio Max automatic safeguard that shows you if the right detector is in the right place. Safety is enhanced even more because no exposure is possible without a detector in the tray.

<table>
<thead>
<tr>
<th>Serial number</th>
<th>MAX static</th>
<th>MAX wi-D</th>
<th>MAX wi-D</th>
<th>MAX mini</th>
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Overview as displayed on your system: The detectors that are logged on to your system, where they’re located, which ones are available, and the length of the battery life and strength of the wi-fi connection.
Our workflow has improved by a factor of three, and throughput has also increased. Quick diagnostics for the patient, higher throughput, better workflows, and ease of use for radiographic technologists are benefits that all imaging department managers can appreciate.

Zaans Medical Center, Zaandam, The Netherlands

Unique automation speeds up workflows
Ysio Max offers unique auto-positioning:
The system always takes the fastest and safest path to the correct position. The tube also automatically aligns with the table and bucky wall stand – all at the touch of a button.

In addition, the system control features a unique safety mechanism: It only responds to the touch of a human hand.

High-speed automation with Aim FAST
- Auto-positioning with up to 1,000 positions
- Simultaneous movement in six axes
- High-performance drives

1) Option in combination with MAX wi-D and MAX mini
2) Option

Visualisation of the above statement

Throughput

Previous system

Ysio Max with Aim FAST

Workflow improvement with Ysio Max

03.2018 · Ysio Max
MAX image quality — consistent for all patients and staff

Whether you’re imaging a small child or a tall adult: You need consistent, high-quality images in order to make confident diagnoses, regardless of who’s operating the system. Ysio Max delivers superior image quality for all patients – and always in your image flavor.

Benefit from excellent image quality
Ysio Max allows users to predefine exposure and postprocessing parameters, collimation, and system positions in dedicated organ programs. You can also choose from a variety of image flavors to adapt to your needs – all independent of patient type and the experience levels of your staff.

Learn one user interface for all MAX systems
Support your staff with an imaging fleet that shares the same user interface. Our integrated image system, syngo FLC, is part of all MAX systems. Benefit from a fully digital, seamless workflow, from patient registration to image documentation – with the same user interface and faster and easier training.

Focus on your smallest patients
Children have a much greater sensitivity to radiation than adults. Our automated system supports fast, and correct pediatric imaging. High image quality can be achieved even at low dose, thanks to dedicated organ programs. And pediatric accessories allow easy positioning, reducing movements during examinations.

Ysio Max helps your staff acquire consistently high image quality, even with children.
Benefit from advanced post-processing
Ysio Max delivers excellent image quality for easy reading and comparison – and always in your preferred image flavor. See improved bone detail and soft-tissue contrast in gridless images as well.

DiamondView Plus: more anatomical detail with bone and soft tissue enhancement and outstanding contrast

With DiamondView Plus

Post-processed with organ-optimized DiamondView Plus

Pulmonary vessels, heart, and the bronchial tubes are assessable.

Corticalis and bone marrow are assessable.
Customizable system – more than 60 configurations

Why pay more? Get only what you actually need! Ysio Max is a wise investment: You can tailor the system to exactly meet your clinical requirements.

More than 60 configuration options
With Ysio Max, you only pay for what you need. Simply tailor the modular system to precisely meet your patient and case mix. Of course, you can always add more components in the future if your requirements change.

1) Option
2) MAXalign und Full tracking are included as a standard in the Ysio Max system with no additional costs.
Increase synergy effects with detector swapping
Detectors are high-value tools. Our wireless detectors are available in two different sizes and can save on investment costs and increase system utilization. Both MAX wi-D and MAX mini can be swapped between our multiple MAX systems and safely and easily positioned for free examinations, even displaying the angulations thanks to MAXalign.

Trauma solution

Adapt Ysio Max to your room
You can easily adapt the radiography system to fit your room and clinical requirements. Ysio Max can even fit in a small room but can still cover up to 8.5 m trauma bays. The tube automatically moves into the correct position at the push of a button.
The MAX effect – where gains multiply

Whether healthcare providers have to cope with tighter budgets or want to expand their business: they are forced to do more with less. What if there’s a smart way to run a radiology department more efficiently?

Take a look at our high-performance MAX systems. They all share the same usability concept and imaging technology over the broadest range of clinical applications on the market. And if you combine two or more MAX systems, you’ll experience the MAX effect: unique standardization across your fleet, so you can save both time and costs and ultimately boost your level of satisfaction.

Multiply the full potential of your department – with a winning combination of MAX systems.

Gain savings
Discover the smart way to save with the MAX effect: Save investment costs thanks to detector swapping, reduce the number of rooms required with More-in-1 MAX systems, and keep staff training to a minimum thanks to one usability.

Gain standardization
Achieve the same high-quality results throughout sites, rooms, and personnel – always. One MAX platform allows you to standardize workflows and image impressions the way you want. That means faster working and fewer mistakes. Resulting in better outcomes at lower costs.

Gain satisfaction
Increase satisfaction of all stakeholders through offering more patient comfort and lower dose, less stress and more confidence for staff, fast results, and high diagnostic accuracy at lower costs. For consistent high-quality care and enhanced reputation.
Multitom Rax
Twin Robotic X-ray

Mobilett Mira Max
High-end digital mobile X-ray imaging

Multix Fusion Max
High-efficiency radiography

Ysio Max
High-performance radiography

Luminos dRF Max
2-in-1 remote fluoroscopy

Luminos Agile Max
2-in-1 patient-side fluoroscopy
See anatomical details with high image quality

To make fast and confident diagnostic decisions, you need high and reproducible image quality. Ysio Max offers high-end imaging, automated workflows, and advanced post-processing technologies.

Lateral view. Details of bone structure and parts of the soft tissue are assessable.

Patella sunrise view. The gap between patella and the femur condyles are assessable.

Acquired in standing position: four single images automatically composed to one to show long bones. Individual image parameters in every shot for a homogenous image impression and optimal dose.

Pediatric patient with a scoliosis, a.p. view. Two single images automatically composed to one.

Pediatric patient, lateral view. Two single images automatically composed to one.

1) Option: SmartOrtho
Additional products and services

To help you tap the full potential of your systems, IT, and staff, we offer you a broad range of complimentary products and services.

Accessory solutions
Choosing a new imaging system may inspire other equipment renewals or additions at your workplace. Our accessory solutions portfolio offers a broad range of complementary products, such as radiation protection clothing or equipment, uninterrupted power supply solutions, contrast media injectors, and positioning aids. We will gladly tailor a package to your individual needs.

Service and maintenance
Protect your investment over its entire lifecycle and enjoy optimized system availability, consistent image quality, and transparent total cost of ownership. For Ysio Max, we offer you a dedicated service package including:

- Preventive maintenance to increase system uptime
- Remote diagnosis and repair to help keep service costs down
- Corrective maintenance and comprehensive parts coverage, including tube and detector

LifeNet
LifeNet is our web-based portal that lets you manage the performance and maintenance of all your Siemens Healthineers systems 24/7. Whether you want to plan maintenance activities, monitor the status of your systems and service requests, or document service history, LifeNet gives you full control and confidence at all times. Ease your workday and stay calm, no matter what’s happening around you.

PEPconnect – your smarter connection to knowledge
Staffing shortages, cost constraints, greater workloads – and all the while, you have to deliver an ever higher quality of care. One key to overcome these challenges is further education. With our online e-learning experience PEPconnect, you can boost your learning – anytime, anywhere, and from any device.

1) Subject to country-specific availability
Technical specifications

Discover what’s behind the unique automation, flexible configuration, and MAX image quality of Ysio Max.

**Bucky wall stand**
- Vertical travel range: up to 145 cm
- Low central beam height: 27 cm
- Tilting: +90°/-20°
- Automatic tube tracking

**Safe system control**
- Reacts only to the touch of a human hand

**MAX mini detector**
- Wireless
- Size: 24 cm x 30 cm
- Weight: 1.6 kg
- Thickness: 16 mm

**MAX wi-D detector**
- Wireless
- Size: 35 cm x 43 cm
- Weight: 3.3 kg
- Thickness: 19 mm

1) Option
- MAXalign™: Automatic display of detector angle for both MAX wi-D and MAX mini to reduce repeat exposures
- Ceiling-mounted tube: Large color touchscreen for complete control at the patient’s side

**Table**
- Adjustable height: from 52 to 95 cm
- High weight capacity: 300 kg
- Flexible and comfortable patient positioning
- Automatic tube tracking vertically, longitudinally, and when tilting
Why Siemens Healthineers?

At Siemens Healthineers, we enable healthcare providers to achieve better outcomes at lower cost by expanding precision medicine, transforming care delivery, improving patient experience, and digitalizing healthcare.

Healthcare providers around the world have long relied upon our engineering excellence – leading-edge, high-quality medical technologies across a broad portfolio. Our technologies touch an estimated 5 million patients globally every day. At the same time, they help hospital departments to continuously improve their clinical, operational, and financial outcomes.

We now consolidate this unprecedented volume of data and insights and turn them into pioneering enterprise and digital health services. With those, we maximize opportunities and share risks of your entire health system.

Partnerships are built on people. With Siemens Healthineers there is no team more committed and more connected than we are to realize your success together.

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1) Siemens AG, "Sustainable healthcare strategy – Indicators in fiscal 2014", page 3-4
Ysio Max 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.

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The information in this document contains general descriptions of the technical options available and may not always apply in individual cases.

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In the interest of complying with legal requirements concerning the environmental compatibility of our products (protection of natural resources and waste conservation), we may recycle certain components where legally permissible. For recycled components we use the same extensive quality assurance measures as for factory-new components.

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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.

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