Luminos Agile 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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Image on title page is courtesy of Kardinal Schwarzenberg Klinikum, Schwarzach im Pongau, Austria
Manage discrepancies between demand and supply

Over the last few years, fluoroscopy examinations like barium studies were increasingly replaced by sonography, endoscopy, computed tomography, and magnetic resonance imaging. Even though the number of fluoroscopy examinations is dwindling, clinical institutions have to offer fluoroscopy examinations.

For healthcare providers, the pressing question is: How can they improve the return on investment of a potentially underutilized fluoroscopy system?

Enhance system utilization with Luminos Agile Max

By combining patient-side fluoroscopy and unlimited radiography, our proven Luminos Agile Max lets you increase system utilization and save on costs for an additional system and room. It delivers high-quality, low-dose dynamic and static images on all types of patients – from small children to obese adults.

The system also offers smart design features, pediatric accessories, and a high level of cybersecurity to keep both patients and their data safe. Benefit from stronger synergies, sharper imaging, and safer use with our 2-in-1 Luminos Agile Max – a smart investment in fluoroscopy.

1. Trends of gastrointestinal contrast studies over the last 10 years

\[\text{Trend of gastrointestinal contrast studies over the last 10 years}^{1}\]

\[\begin{align*}
\text{Total} & \\
\text{Swallow/conray} & \\
\text{Others} &
\end{align*}\]


\[\begin{align*}
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\text{3000} &
\end{align*}\]

\[\text{Source: https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5234156}\]

\[\text{Unlimited within the technical specification of the respective system}\]

1. Trends of barium studies performed at the Tata Memorial Hospital, Mumbai, Maharashtra, India over the past 10 years.

\[\text{Trends of barium studies performed at the Tata Memorial Hospital, Mumbai, Maharashtra, India over the past 10 years.}\]

\[\begin{align*}
\text{Total} & \\
\text{Swallow/conray} & \\
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\end{align*}\]

\[\text{Source: https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5234156}\]
Luminos Agile Max is a patient-side fluoroscopy system combining a flat panel detector with a height-adjustable table. When adding an optional ceiling-mounted tube and bucky wall stand, you can additionally perform virtually unlimited radiography. Whatever you choose: you receive a complete, fully integrated solution with just one control element.

Luminos Agile Max makes it easy to follow the ALARA principle. Special applications and DiamondView MAX help you keep dose as low as possible, while you can see all anatomical details in clear images to make confident diagnostic decisions for all patients.

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. Luminos Agile Max comes with a high level of cybersecurity to support you in safeguarding your IT and sensitive patient data.

Children have different imaging needs than adult patients. From a very low table height and dedicated low-dose organ programs to special positioning aids, Luminos Agile Max provides all you need to image children safely and efficiently.

Is Luminos Agile Max your first MAX system? Then it is 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.

With its smart design features and automated workflow, Luminos Agile Max supports you in your daily work: Benefit from safe system operation and efficient workflows and focus on what really matters – your patients.

Luminos Agile Max at a glance

Cover your case mix
Luminos Agile Max

Offer low-dose imaging
Luminos Agile Max makes it easy to follow the ALARA principle. Special applications and DiamondView MAX help you keep dose as low as possible, while you can see all anatomical details in clear images to make confident diagnostic decisions for all patients.

Improve your workflows
With its smart design features and automated workflow, Luminos Agile Max supports you in your daily work.

Multiply your full potential
Is Luminos Agile Max your first MAX system? Then it is 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.

Keep your IT secure
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. Luminos Agile Max comes with a high level of cybersecurity to support you in safeguarding your IT and sensitive patient data.

Personalize when it matters
Children have different imaging needs than adult patients. From a very low table height and dedicated low-dose organ programs to special positioning aids, Luminos Agile Max provides all you need to image children safely and efficiently.
Stronger synergies –
with a true 2-in-1 solution

In times of decreasing fluoroscopy examinations, a solution is required to secure a positive return on investment. With our 2-in-1 Luminos Agile Max, you decide how much fluoroscopy and radiography you really need – thus maximizing system and room utilization.

Opt for a flexible fluoroscopy system
Luminos Agile Max is a full fluoroscopy system. And thanks to its unique height-adjustable table, you can make patient transfer fast and safe without additional lifting devices, additional staff and additional safety precautions.

Adapt Luminos Agile Max to your clinical needs
Easily enhance your efficiency and clinical versatility: Adding a ceiling-mounted tube* and a bucky wall stand†, you can additionally perform virtually unlimited radiography with your Luminos Agile Max. And our wireless MAX detectors* allow you to perform free examinations. You can add these options right from the start or later at anytime.

Benefit from a high level of integration
and a small footprint
Since all components are fully integrated, they are controlled from the same working station and share the same workflow. You also save space because you need just one system cabinet with a small footprint for both generator and power supply.

Improve your TCO with detector swapping
With our 2-in-1 Luminos Agile Max, you save an additional system and room. You can further reduce investment costs and increase system availability by swapping our wireless detectors MAX wi-D* and MAX mini* between your multiple MAX systems. After an easy one-click registration, the detectors are ready to be used. They also feature innovative automatic charging when they are in the wall stand tray. And because they share the same battery type, you can simply swap the battery if one is running low.

“[I didn’t expect the system would be capable of doing everything it can, the Luminos Agile Max is truly an all in one machine.”
— Leon Smith
SKG Radiology, Duncraig, Australia

* The statements by Siemens Healthineers customers described herein are based on results that were achieved in the customer’s unique setting. Because 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.

† Option
Gridless imaging

DiamondView MAX is also specifically designed to deliver optimized image quality for gridless free exposures. The software optimizes images acquired without a grid by reducing the appearance of noise with a special dose-adaptive algorithm based on multi-frequency processing. Gridless imaging boosts your workflow efficiency and delivers MAX image quality at low dose.

Sharper imaging – for fast, confident diagnoses

To make reliable diagnoses, you need excellent visualization of all anatomical structures. Luminos Agile Max delivers clear images at the lowest possible dose. Furthermore, intelligent image acquisition and post-processing help keep examination and reading times short.

See the anatomical details you need to see
Whether for dynamic imaging like swallow without bolus chase or static radiographic imaging, the large, flat detector of Luminos Agile Max offers excellent coverage. This also allows you to reduce examination time and dose even for challenging examinations. In addition, all components of the image chain are perfectly compatible because they are all from one source: Siemens Healthineers.

Offer safe imaging of children
Children have a much greater sensitivity to radiation than adults. Luminos Agile Max supports you in performing fast, safe and correct pediatric imaging – assisted by radiation-free positioning and dedicated pediatric organ programs for low-dose. With DiamondView MAX for pediatrics, you can even perform low dose-swallow studies for neonates and see anatomical details in high contrast.

See the anatomical details you need to see
Whether for dynamic imaging like swallow without bolus chase or static radiographic imaging, the large, flat detector of Luminos Agile Max offers excellent coverage. This also allows you to reduce examination time and dose even for challenging examinations. In addition, all components of the image chain are perfectly compatible because they are all from one source: Siemens Healthineers.

Standardize your imaging workflow
Support your team in confidently acquiring consistent, high-quality images regardless of the complexity of the examination and the knowledge level of the technologist: You can quickly and easily set up the system with your standard settings for radiography and fluoroscopy thanks to the one-click registration. In addition, exposure and post-processing parameters, collimation, and system positions can be predefined in dedicated organ programs. Even for free examinations, the positioning of the tube takes no more guesswork, since the detector angle is displayed directly on the color touchscreen with MAXalign.

Benefit from advanced post-processing with DiamondView MAX
For easy reading and comparison, Luminos Agile Max delivers excellent image quality – always in your preferred image flavor. See improved bone detail and soft tissue contrast in both static low-dose and gridless images. In dynamic imaging, you benefit from enhanced contrast and optimized noise reduction for a high level of detail visibility, even in very bright or dark areas. And when patients only partially cover the image, two semi-transparent filters can help you reduce both examination time and dose.

“...This machine is fabulous. The 17” x 17” flat panel detector allows for great digital image quality. It is very easy to use and it is very patient friendly.”

Teresa Cummings
Lead Medical Imaging Technologist,
Pella Regional Health Center, USA

Easy and accurate stitching with Smart Ortho
SmartOrtho gives you a single patient coverage solution for full-spine and long-leg exams. It helps you accommodate a diverse patient mix with fast automated image acquisition. The SmartOrtho tiling technique acquires up to four consecutive images in a single automatic image acquisition in the Bucky wall stand and/or on the patient table while being able to manage any patient size. In addition you benefit from automatic image composition into one large image and excellent image quality with integrated DiamondView MAX image processing.

Option

Clinical images are courtesy of University Hospital Basel, Switzerland, and Hospital Barmherzige Schwestern Linz, Austria

1 Option

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Safer use – to protect patients and technologists

The safety of patients and staff is especially at risk during patient transfers to and from the system. Luminos Agile Max offers smart design features and intuitive system operation to keep both patients and technologists safe.

Efficiency and safety – no contradiction
Intelligent automation and comprehensive control elements exceptionally accelerate and simplify the positioning of Luminos Agile Max. Gain fast access to all table movements and imaging parameters – so you can concentrate on your patient.

Enhance the experience of your patients
Accessing or leaving a system can be cumbersome or painful, especially for elderly or disabled patients. Luminos Agile Max helps increase comfort and safety with a low minimum table and stepping height. For the transfer of patients from a trolley onto the system, your staff benefit from the height-adjustable table, longitudinal tabletop movement, and excellent accessibility – even from the back of the system where all mechanical parts are fully covered. The open system design grants full access to the patient without repositioning, even in small rooms.

Comprehensive cybersecurity risk management for the entire product lifecycle
Luminos Agile Max delivers a high standard of cybersecurity. In addition to a secure development lifecycle, it also offers whitelisting to protect against modern malware. Encryption preserves patient data safe during transfer and in storage, and 90-day hotfixes provide you with patches and updates remotely. Luminos Agile Max uses Windows 10 and provides centralized role-based access control that allows you to configure access to data and settings according to user roles. And with the audit trail functionality, you can log all user activities, protect them from alteration, and transfer them to a central location for easy evaluation.

Data breaches by sector in 2017
Security breaches affecting patient data and system IT can cost money and reputation. Did you know that statistically, four new cybersecurity threats emerge every second?

1 A connection to our SRS infrastructure is a prerequisite.
3 Option
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.

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 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 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.
See anatomical details in high image quality

To make fast and confident diagnostic decisions, you need high image quality. Luminos Agile Max offers DiamondView MAX – our unique image processing engine and a large field of view.

Excellence in fluoroscopy applications

Enhanced contrast at low dose for gastrointestinal examinations
Swallow studies with high frame rates
Digital subtraction angiography (DSA) and road-mapping
Excellent patient access for ERCP examinations

Excellence in radiography applications

High throughput for chest X-rays with clear details
Easy positioning and standardization with predefined organ programs
Wide coverage on the table with 43 x 43 flat panel detector
Fully automatic ortho imaging

Benefit from innovative services

Increasing value by partnering throughout the entire lifetime of your equipment

Equipment Maintenance & Monitoring
Reliably servicing your Luminos Agile MAX allows you to identify deviations from current norms to maximize equipment availability.

Education Management
Personalized education and training improves your staff’s expertise as well as your equipment efficiency.

Fleet Management
A transparent overview of your fleet allows you to manage the performance and maintenance of your Siemens Healthineers equipment, 24/7.

Performance Management
An intelligible overview of your radiography performance data helps you make prompt and well-informed decisions.

Asset Management & Planning
Access to innovative medical technology and equipment throughout the entire contract life-time allows you to maximize focus on patient care.

Accessory Solutions
Products from our partner companies complement your use of our equipment in your daily workflow.

Business Modelling & Financing
Customized business and financial models address your budgetary and enterprise needs enabling you to remain more competitive.

Departmental Layout Optimization
3D-Visualization and digital twin analysis create more efficient workflows and a more enjoyable working environment.
Technical specifications

Bucky wall stand
• Vertical travel range: 140 cm (55”)
• Minimal central beam height: 33 cm (13”)
• Tilting: +90°/-20°

syngo FLC

Touch user interface
• for fast and easy access to all table movements and imaging parameters

MAX image chain
• MAX dynamic detector with Cesium iodide scintillator
• 43 cm x 43 cm (17” x 17”)
• Tube: 820 kHU

1 Option

MAX wi-D detector
• Wireless
• Size: 35 cm x 35 cm (14” x 14”)
• Weight: 3.3 kg (7.3 lbs.)
• Thickness: 19 mm (0.7”)

MAX mini detector
• Wireless
• Size: 24 cm x 30 cm (10” x 12”)
• Weight: 1.6 kg (3.5 lbs.)
• Thickness: 16 mm (0.6”)

Table
• Height: min. 65 cm (26”), max. 112 cm (44”)
• Weight capacity: up to 275 kg (606 lbs.)
• Extra-wide tabletop: 80 cm (31.5”)

Comprehensive tableside controls
• for fast and easy access to all table movements and imaging parameters

OPTIGrip with SmartTouch

Vertical imaging
• Wide patient opening: 60 cm (24”)

Ceiling-mounted tube
• with large color touchscreen offering access to key image parameters

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Why Siemens Healthineers?

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

An estimated 5 million patients globally benefit every day from our innovative technologies and services in the areas of diagnostic and therapeutic imaging, laboratory diagnostics, and molecular medicine, as well as digital health and enterprise services.

We are a leading medical technology company with over 120 years of experience and 18,500 patents globally. With more than 50,000 dedicated colleagues in more than 75 countries, we will continue to innovate and shape the future of healthcare.