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Mammomat Fusion

Where premium meets everyday mammography

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Answers for life.



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Mammomat Fusion distinguishes itself with its premium features for everyday mammography.

Mammomat Fusion

Where premium meets everyday mammography

Mammomat Fusion* is a premium mammography system made to enhance everyday screening and diagnostics. The refined automated workflow performs complex tasks at the click of a button, giving you more time for what matters most – your patients. The new generation, high-resolution detector is remarkably robust and dose-efficient, allowing you to enjoy peace of mind. While the low operating costs, attractive service packages and high patient throughput help you get your money's worth.

Do it in a click

With a selection of premium, easy-to-use features and a refined workflow, you can perform screening and diagnostics quickly and effortlessly.

Enjoy peace of mind

The new, particularly robust detector features trendsetting MaxFill technology, providing high resolution images to increase your diagnostic confidence at the right dose.

Get your money's worth

With Mammomat Fusion you benefit from a real financial outperformer. Its selection of premium features increases exam speed for high patient throughput. Enjoy low operating costs and attractive dedicated service packages.

Discover how premium technology can significantly improve your everyday screening and diagnostics. Because detail matters.

* Mammomat Fusion is not commercially available in all countries.
Due to regulatory reasons its future availability cannot be guaranteed.
Please contact your local Siemens organization for further information.

Do it in a click

Premium features allow you to easily acquire excellent mammography images at the click of a button. Enhance your everyday screening and diagnostics with the system's speed, comfort and efficiency.

Ergonomic acquisition workstation

Easily adjust the workstation table* to the height of your choice and select your preferred monitor configuration. Enjoy the intuitive operation of one central syngo-based workstation.

Complete data integration

Click just once to import patient data from the radiology information system (RIS). This saves time and space with no need for a RIS workstation in the examination room. With a huge storage capacity for more than 30,000 images and comprehensive networking the system easily manages high volumes of image data.

Efficient one-click-to-image

Perform the whole screening procedure with just a click. The particularly intuitive and seamless screening workflow helps you add speed, comfort and efficiency to every examination. By clicking again, the scheduler opens the next patient automatically.

Convenient Single-Touch Positioning

The brief single touch of a button is all you need to move the system between your predefined positions – such as from cranio-caudal to mediolateral-oblique. For time savings you'll really notice.

Seamless isocentric rotation

The center of the detector always remains at the same height, so you can move to the next view with just one click. Reducing preparation time and adding efficiency.

Multiple X-ray release

A flexible range of release options include the control console button, a handswitch and footswitch, so you can choose the solution that best fits your screening needs. The image is only one click away.



Ergonomic acquisition workstation



Convenient Single-Touch Positioning



Seamless isocentric rotation

* Option



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Enjoy peace of mind

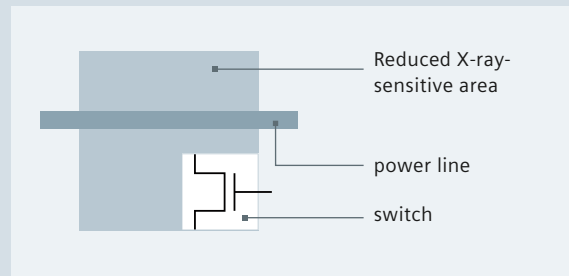
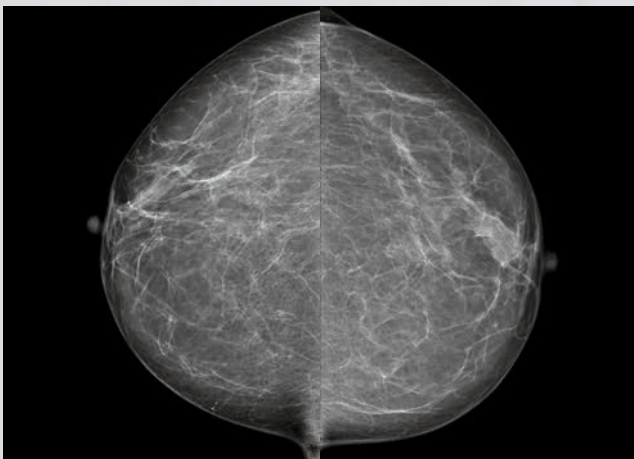
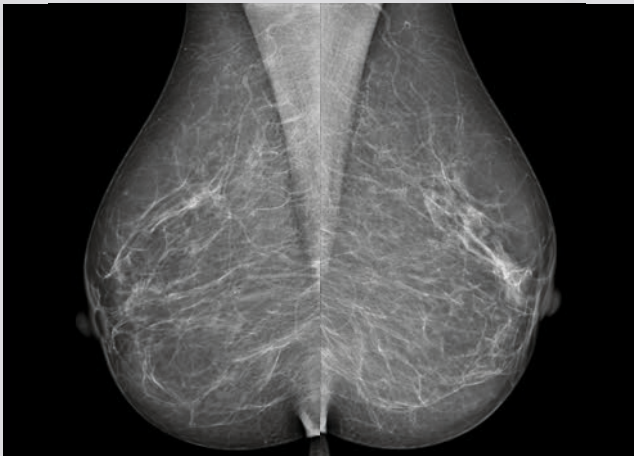
A new generation of Cesium-Iodide (CsI) detector technology keeps going strong – year after year. Intelligent dose reduction features reliably deliver excellent images at the right dose – especially important when screening healthy women.

New generation CsI detector

The innovative second generation CsI detector technology improves both spatial resolution and dose efficiency and the large 23 cm x 30 cm (9" x 12") format provides the coverage you need. The system is also ready to use quickly, as warm up time is not required. This new detector technology is also remarkably robust, making Mammomat Fusion particularly suitable for challenging situations, such as truck-installed mobile screening units.

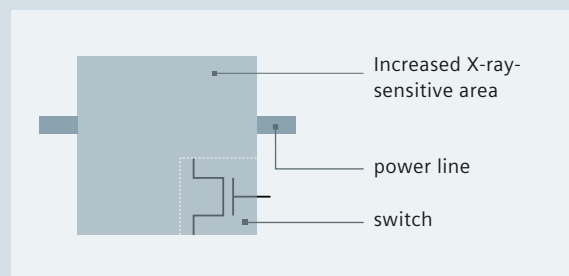
Unique MaxFill technology

MaxFill technology uses the incoming X-rays more efficiently. The effective X-ray-sensitive area of each pixel has been significantly increased with an innovative multi-layer design. This new detector architecture results in a smaller, 83 μm pixel size and higher detective quantum efficiency (DQE) compared to previous technologies. For better image quality at the right dose.



Conventional CsI technology

Elements such as the switch and power line reduce the X-ray-sensitive area of each pixel.



New CsI Technology with MaxFill

Placing elements such as the power line and switch underneath the pixel significantly increases the X-ray-sensitive area.

High resolution images at the right dose.

Optimized scintillator thickness

When X-ray photons hit the scintillator, they are converted into light. The efficiency of this conversion is optimized by matching the scintillator thickness to the X-ray spectrum of Mammomat Fusion. This results in better image quality, at the right dose.

Personalized OpDose®

Depending on breast density and thickness, OpDose determines the exposure parameters required for each breast individually and uses Automatic Exposure Control to acquire the best-possible image. OpDose works in every position and automatically excludes the pectoral muscle from its calculation.

Personalized OpComp® with SoftSpeed

Thanks to OpComp with SoftSpeed, the compression slows down as soon as the plate reaches the breast. Compression is increased only as long as the breast is soft and pliable, stopping automatically when the optimal level of compression is reached, improving image quality and patient comfort.

Flexible OpView

Enjoy sharper, easily adjustable images using newly refined image processing software. You can select the best fit for your clinical needs from a range of predefined image impressions and flavors.



Get your money's worth

A real financial outperformer, Mammomat Fusion is an everyday mammography system with a select range of premium features. With low operating costs, tailored service packages, high patient throughput and upgradability, Mammomat Fusion is a comprehensive solution to enhance your daily screening and diagnostics.

The cost-effective choice

A range of workflow-optimizing features, such as one-click-to-image, Single-Touch Positioning and RIS integration as well as a robust and reliable detector technology enable you to screen up to 15 women per hour*. This adds up to significantly higher throughput and profitability for your screening site.

Wide range of accessories

Mammomat Fusion supports you with magnification, spot imaging and 2D biopsy options. A selection of screening and diagnostic compression plates adapt the system to your clinical requirements at any time**.

Service tailored to you

Easily customize comprehensive service options from Siemens to your precise requirements. From preventive maintenance to technical phone support and parts coverage, our Protect Plans or Performance Plans are proven service packages that include proactive service and rapid on-site technical response.

Convenient remote service

In order to meet your performance expectations at any time, we focus on being systematically proactive. Remote monitoring and remote updates allow you to maximize system uptime – and your return on investment.



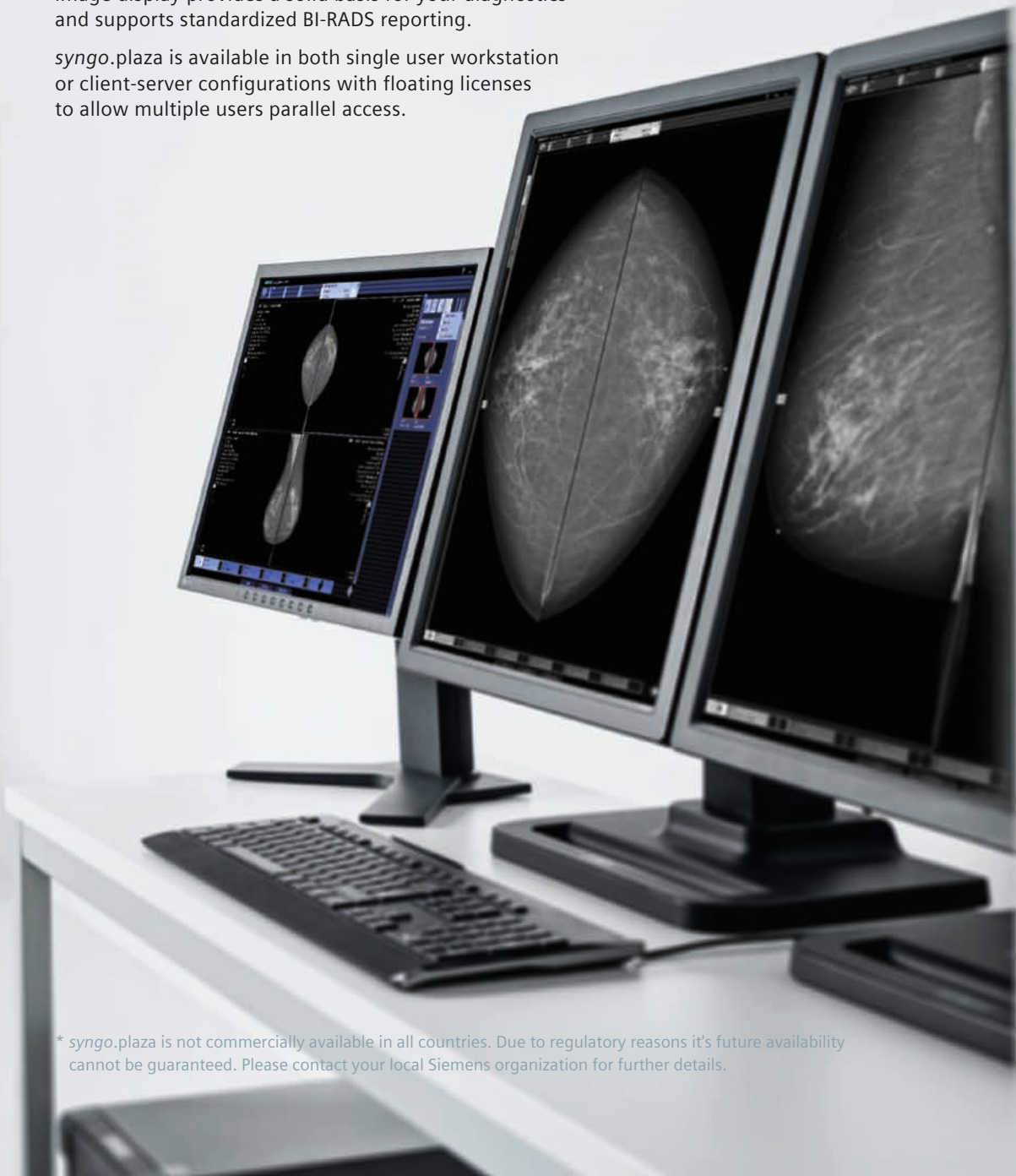
* Data on file

** The system is designed for a future upgrade to stereotactic biopsy.

syngo.plaza

*syngo.plaza** accelerates your mammography reading by loading images quickly and allowing you to define the workflow steps you require. Its mammography specific image display provides a solid basis for your diagnostics and supports standardized BI-RADS reporting.

syngo.plaza is available in both single user workstation or client-server configurations with floating licenses to allow multiple users parallel access.



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

Convenient Single-Touch Positioning moves the system with a single button press and allows you to work seamlessly.

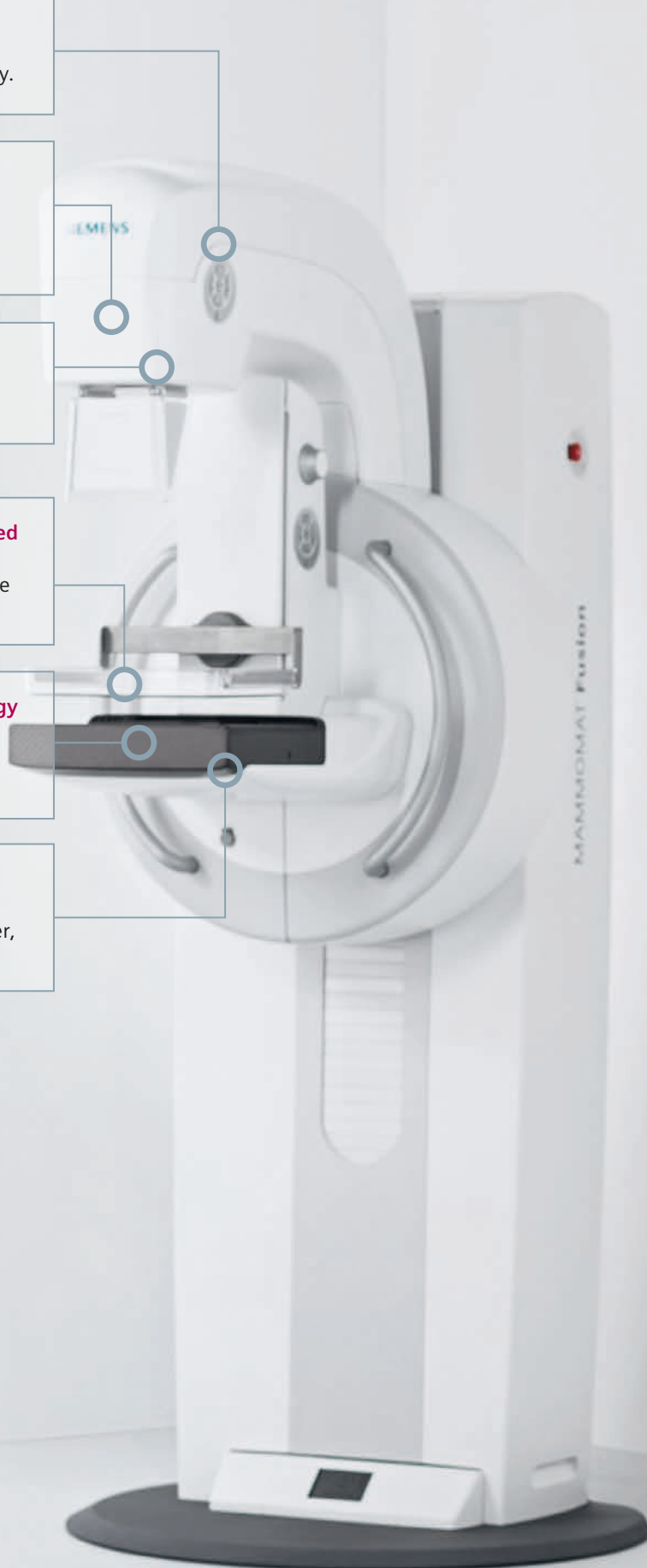
Tungsten tube with rhodium filter saves up to 50% dose compared to Mo/Mo, and enables a high tube load capacity.

Personalized OpDose® with AEC individually selects the right dose for each woman.

Individualized OpComp® with SoftSpeed automatically stops when the optimal compression for the best possible image quality is reached.

New generation CsI detector technology uses incoming X-rays more efficiently, for higher spatial resolutions at the right dose.

Seamless isocentric rotation retains the detector at the same height when moving to the next view for faster, easier positioning.



Where premium meets everyday mammography



Flexible OpView

lets you choose from five flavors, for the image impression to suit your personal preference.

Efficient one-click-to-image

starts the exam with a single click and the system is ready for the first exposure.

Ergonomic acquisition workstation

provides access to all patient and exam data on one central syngo-based workstation.

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