

MAMMOMAT Fusion

Where premium meets everyday mammography

siemens-healthineers.com/mammomat-fusion



SIEMENS
Healthineers



Elevate everyday screening and diagnostics

Mammography screening may play a role in reducing breast cancer mortality. Accomplishing this, however, requires a highly standardized workflow and high-quality images, enabling early detection and optimal diagnostic accuracy.

At the core of our vision are:

- Providing a better mammography experience for patients
- Increasing throughput and efficiency
- Enabling high resolution images to increase diagnostic confidence at the right dose
- Benefiting from an excellent financial performer

At Siemens Healthineers, we strive to create the most comprehensive ecosystem of products and services on the market – providing valuable and easy-to-capture synergies across all modalities in a radiology department.

MAMMOMAT Fusion enables the efficiency and accuracy you need by providing a cost-efficient premium quality digital mammography system.



Where premium meets everyday mammography

Early detection and optimal diagnostic accuracy play a crucial role in mammography screening. Accomplishing this, however, requires a highly standardized workflow and high-quality images.

At the same time patient experience should also stay in focus. We develop breast care solutions that give patients optimal care. To produce the best imaging results, it is key that the patient feels at ease during the examination. Providing women with a calming atmosphere during mammography screening can help women relax, ensuring a smooth examination.

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. With its remarkably robust detector, low operating costs, and high patient throughput, it helps you get your money's worth.

Discover MAMMOMAT Fusion

Greater comfort, relaxed patients	4
Do it in a click	5
Enjoy peace of mind	6
Get your money's worth	8
System features	10
Innovative Services	12
Why Siemens Healthineers	13

Greater comfort, relaxed patients

Help to enhance your institution's reputation by providing a better mammography experience for patients.

Breast Health Moods¹

With the new Breast Health Moods, our colorful room design concept, you can help your patients feel safe and calm. The pleasant atmosphere, warm colors, and soothing lights create a relaxing environment, which can help your patients to unwind and be at ease during the examination.

Calming MoodLight¹

Getting women to relax during mammograms can be as simple as changing the lighting. The unique MoodLight panel allows you to select specific colors or a series of changing colors.

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.



Do it in a click

Achieve high patient throughput and reduce staff training requirements with a proven workflow and our unique *syngo* user interface.

Ergonomic acquisition workstation

Easily adjust the workstation table¹ 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 (RIS¹). This saves time and space with no need for a RIS workstation in the examination room. With a huge storage capacity for more than 100,000 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 will 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 or footswitch, so you can choose the solution that best fits your screening needs. The image is only one click away.

Stereotactic Biopsy¹

Clear-cut procedures and intuitive operations are the key to fast and accurate examinations. With this in mind, we have designed a stereotactic biopsy solution that reduces the necessary workflow steps and guides the operator through the procedure.



Ergonomic acquisition workstation



Convenient Single-Touch Positioning



Stereotactic Biopsy

¹ Option.



SIEMEN

MAMMOMAT

16724

Enjoy peace of mind

Achieve consistent diagnostic results with the new, particularly robust detector that reliably provides high-resolution images year after year.

New-generation CsI detector

The innovative 2nd generation CsI detector technology improves spatial resolution and dose efficiency. With its large 23,2 x 29,7 cm (9" x 12") format, the remarkably robust detector provides the coverage you need and is perfectly suited for challenging situations, such as bus-installed mobile screening units. The system is ready to use quickly, as no warm-up time is required.

Unique MaxFill Technology

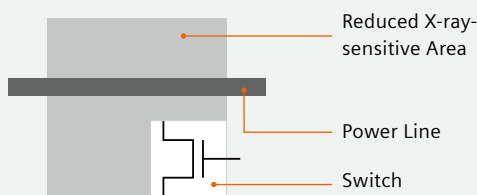
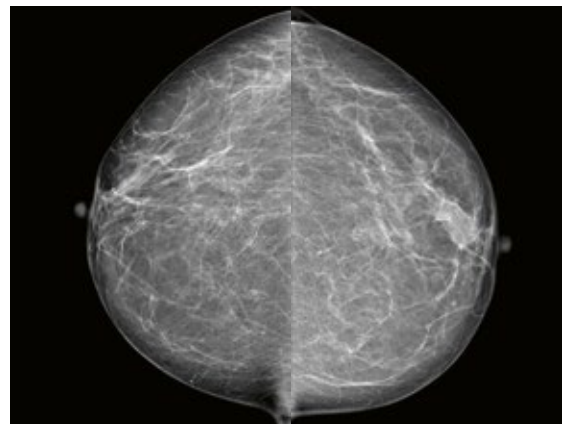
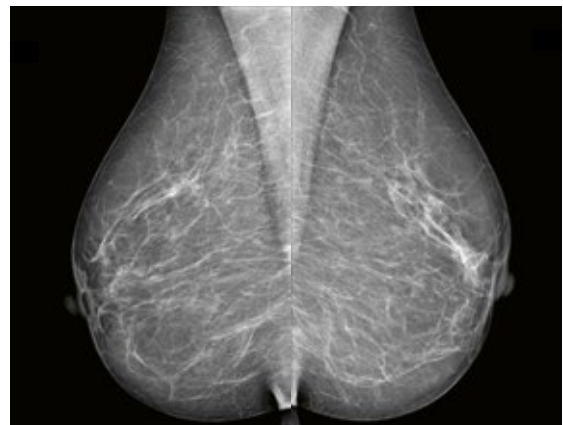
MaxFill technology uses the incoming X-rays more efficiently. The effective X-ray-sensitive area of each pixel has been significantly increased with an innovative multi-layer design. This new detector architecture results in a smaller, 83 µm pixel size and higher detective quantum efficiency (DQE) compared to previous technologies, for better image quality at the right dose.¹

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 automatically excludes the pectoral muscle from its calculation.

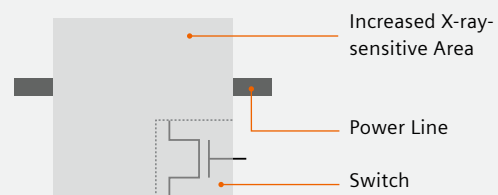
Flexible Opview

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



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 pixels significantly increases the X-ray-sensitive area.

¹ Table 1 Specifications and geometry of breast tomosynthesis systems currently available or in development (based on Sechopoulos 2013 and subsequent information from manufacturers). Protocol for the Quality Control of the Physical and Technical Aspects of Digital Breast Tomosynthesis Systems, version 1.03.

Get your money's worth

Reduce operating costs while increasing patient throughput with a system focused on financial performance.

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 hour¹. 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, 2D biopsy as well as Stereotactic Biopsy² options. A selection of screening and diagnostic compression plates adapt the system to your clinical requirements at any time.

Optimizing equipment performance at defined costs

Performane Plans are standard service contracts covering regulatory, quality, and performance needs for equipment from Siemens Healthineers. They come at fixed costs, offer a wealth of service options, and can be tailored to your needs and budget. Let us take care of your technical worries so that you can focus on what matters most: your patients.

Your secure connection to support in digitalizing healthcare

Smart Remote Services (SRS)³ is a fast, secure and powerful data link that connects your medical equipment to our experts, who provide you with proactive and interactive services that support you in your daily routine and speed up your running operations. Our Remote Services provide you with a wealth of service options ranging from technical and clinical application support to education and proactive monitoring.



¹ Data on file.

² Option.

³ Only available to systems that are connected to the Siemens Remote Services platform.

⁴ syngo.plaza is not commercially available in all countries. Due to regulatory reasons it's future availability cannot be guaranteed. Please contact your local Siemens organization for further details.

Affordable reading and archiving solution

*syngo.plaza*⁴ accelerates your mammography reading by loading images quickly and allowing you to define the workflow steps you require. It is an affordable PACS and mammography reading solution that scales to your needs. From a single user workstation to a client-server configuration with floating licenses, it allows multiple users parallel access to all mammography images.



MAMMOMAT Fusion

System features

Calming MoodLight¹

An integrated LED panel with a broad range of colors to choose from emits a soothing light. For a more relaxing exam.

Convenient Single-Touch Positioning

Moves the system with a single press of a button and allows you to work seamlessly.

Tungsten tube with rhodium filter

Saves up to 50%² dose compared to Mo/Mo, and enables a high tube load capacity.

Individualized OpComp[®] with SoftSpeed

Automatically stops when the optimal compression for the best possible image quality is reached.

Seamless isocentric rotation

Retains the detector at the same height when moving to the next view for faster and easier positioning.

Personalized OpDose[®] with AEC

Individually selects the right dose for each woman.

Ergonomic acquisition workstation

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

Flexible OpView

Selection of five so-called flavors for image impressions. Choose the one for your needs.

Efficient one-click-to-image

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

Stereotactic Biopsy¹

The system intuitively guides you through the entire procedure. Efficient and reliable workflow for optimum diagnostic confidence.

Breast Health Moods¹

Our new colorful room design, which brings a calming environment into the examination room to help the patient feel safe.

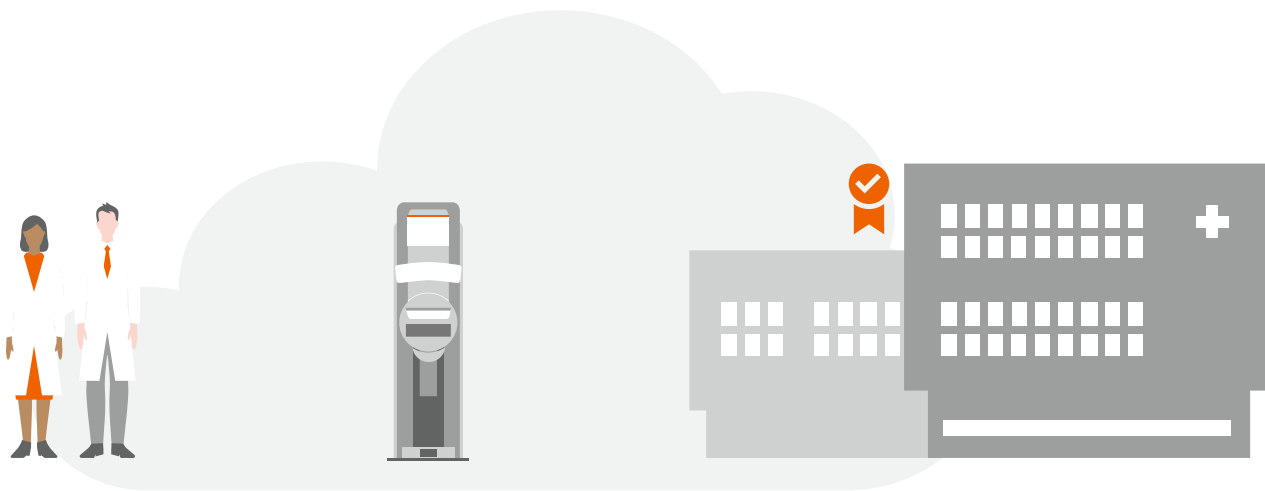
¹ Option.

² Uhlenbrock et al. (2009): Comparison of Anode/Filter Combinations in Digital Mammography with Respect to the Average Glandular Dose. *Rofo* 2009, pp. 249-254.



Benefit from innovative services

Increasing value by partnering throughout the entire lifetime of your equipment



Continuously adding value and caring for your equipment, your workforce, and your entire institution.

Equipment Maintenance & Monitoring

Reliably servicing your MAMMOMAT Fusion 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.



Why Siemens Healthineers

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. An estimated five million patients worldwide everyday benefit 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're a leading medical technology company with over 120 years of experience and 18,500 patents globally. With about 50,000 dedicated colleagues in over 70 countries, we'll continue to innovate and shape the future of healthcare.

MAMMOMAT Fusion with VB61 is not commercially available in all countries. Its future availability cannot be guaranteed. Please contact your local Siemens Healthineers organization for further details.

On account of certain regional limitations of sales rights and service availability, we cannot guarantee that all products/services/features included in this document are available through the Siemens Healthineers sales organization worldwide. Availability and packaging may vary by country and are subject to change without prior notice. The information in this document contains general descriptions of the technical options available and may not always apply in individual cases.

Siemens Healthineers reserves the right to modify the design and specifications contained herein without prior notice. Please contact your local Siemens Healthineers sales representative for the most current information. In the interest of complying with legal requirements concerning the environmental compatibility of our products (protection of natural resources and waste conservation), it may contain recycled components that adhere to the same quality assurance measures used for factory-new components.

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.

International version.
Not for distribution or use in the U.S.

Siemens Healthineers Headquarters

Siemens Healthcare GmbH
Henkestr. 127
91052 Erlangen, Germany
Phone: +49 9131 84-0
siemens-healthineers.com