



Excellence by experience – Analog Mammography

MAMMOMAT 1000 and MAMMOMAT 3000 Nova

Answers for life.

SIEMENS

Excellence by experience

5000 sold systems. More than 30 years' experience. Clear results.

Breast cancer is one of the most common types of cancer affecting women in the United States, with over 200,000 cases diagnosed and more than 40,000 deaths in 2005.

Early detection remains the best tool in the fight against breast cancer. Both screening and diagnostic mammography play key roles in uncovering disease at an early stage, when the mortality rate can be reduced significantly. Compared to traditional radiography, mammography offers a considerably higher spatial and contrast resolution, allowing for the early detection of even the smallest changes in soft tissue.

With 5000 installations worldwide and over 30 years experience in mammography, Siemens is one of the leaders in breast cancer prevention.

MAMMOMAT 1000 and MAMMOMAT 3000 Nova are our two analog mammography systems designed to help meet the highest demands in breast care.

Used mainly for screening purposes, our mid-range mammography system MAMMOMAT 1000 is designed for high patient throughput.

Our high-end mammography system, MAMMOMAT 3000 Nova, offers all clinical applications in one unit. The system supports both screening examinations and diagnostic applications and features special views, magnification, specimen radiography, and stereotactic biopsy. Thus, MAMMOMAT 3000 Nova stands for diagnostic confidence.

Diagnostic confidence that feels exceptional to both the patient and the mammographer.

Analog Mammography





Optimally Suited

MAMMOMAT 1000

High reliability. High patient throughput. Fast amortization.



Featuring a functional design and intuitive operation, our mid-range mammography system MAMMOMAT 1000 easily handles high patient volumes, thus making it ideally suited for screening. Excellent image quality combined with a range of features that inspire comfort, confidence, and trust ensure that women will return year after year for their regular screening examinations.

Small footprint. High performance. Functional design.

The design philosophy of the MAMMOMAT 1000 is based on the “form follows function” principle. The streamlined, patient-centric design makes the examination as fast and as gentle as possible for your patients. Due to its small footprint and open access, the system is also suitable for physically handicapped patients.

The motorized, isocentric rotation of the X-ray tube of up to 180 degrees counterclockwise and 130 degrees clockwise enables a comfortable examination of your patient in any projection. The object table remains at the same height, making repositioning almost unnecessary.

MAMMOMAT 1000 comes standard with an 18 cm x 24 cm object table. A 24 cm x 30 cm object table is an available option. To increase operator ease and patient throughput, cassettes can be changed fast and easily with Quickswitch™.

for Screening

MAMMOMAT 1000

Superb imaging. Easy handling.

Excellent contrast. High resolution. Brilliant images.

Image quality is of essential importance when it comes to detecting even the smallest changes in the breast tissue at an early stage of disease. Optimized imaging parameters and a dedicated mammography X-ray tube with molybdenum anode ensure best possible beam quality. This provides images with excellent contrast and high resolution at short exposure times.

By automatically selecting the best kV value and anode/filter combination (Mo/Mo and Mo/Rh), Opdose ensures the lowest possible radiation dose.

For the patient. For you. Real comfort and convenience.

To make the examination as pleasant as possible for your patient, we have equipped our MAMMOMAT 1000 with Opcomp. It automatically and individually senses the breast compression needed to produce the ideal combination of minimal patient discomfort and best possible image quality.

A wide array of compression plates ensures gentle compression optimized for each individual breast. An optionally available perforated biopsy compression plate and magnification tables further expand the scope of applications.

The open design of MAMMOMAT 1000 means excellent access, even for patients in a wheelchair. Examinations can be performed with equal ease on patients in standing, sitting or recumbent positions.

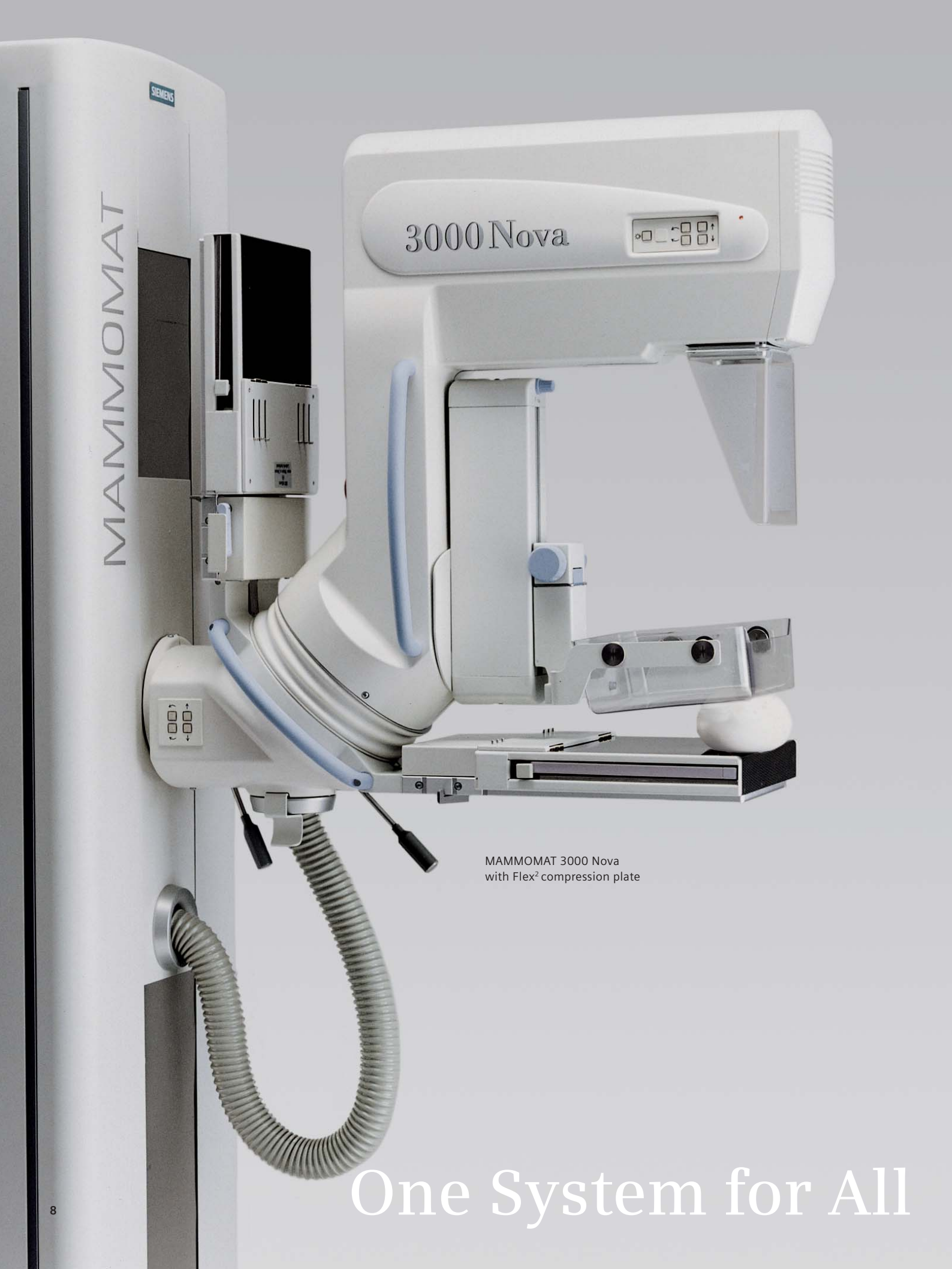
MAMMOMAT 1000 is distinguished by its user friendliness – developed in close cooperation with physicians – to ensure optimal support of your workflow.

A radiation shield with control panel allows you to operate the system from a protected area.

Clear Results



Patient Comfort



MAMMOMAT

3000 Nova

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MAMMOMAT 3000 Nova
with Flex² compression plate

One System for All

MAMMOMAT 3000 Nova

Screening. Diagnostic. Stereotactic biopsy.



The MAMMOMAT 3000 Nova combines screening and diagnostic for maximum utilization in one single unit. The ability to integrate with a variety of CR readers makes it easy to upgrade to digital.

Together with *syngo* Opdima, the digital biopsy and spot imaging system, stereotactic biopsies can be performed within the smallest space. Spot imaging is possible with a resolution of up to 20 lp/mm.

One system. For all women. For all applications.

The motorized, isocentric X-ray tube rotation by up to 180 degrees counterclockwise and 130 degrees clockwise ensures that patients can be examined comfortably in any projection. The object table always remains at the same height, making repositioning almost unnecessary.

The unique pivoting bucky table enables quick and easy switching between 18 cm x 24 cm and 24 cm x 30 cm formats. When the object table is changed, the appropriate collimation is automatically preselected. This makes MAMMOMAT 3000 Nova an optimal system for almost all women and breast sizes.

Like MAMMOMAT 1000, MAMMOMAT 3000 Nova also distinguishes itself through its slim, space-saving design. It offers optimal access for the physician, technician, and patient in any projection. The large SID of 65 cm allows easy patient positioning and easy mounting of the biopsy unit and magnification table.

Applications

MAMMOMAT 3000 Nova

High quality images. High patient comfort.



High resolution. Low dose. High quality images.

MAMMOMAT 3000 Nova features an X-ray tube which, unlike other mammography systems, uses two different anode materials. The Opdose function auto-selects the best kV value and anode/filter combination (Mo/Mo, Mo/Rh, W/Rh) according to the individual breast characteristics in order to achieve optimal image quality with the lowest possible dose. Opdose can provide a dose reduction of up to 60% – a great advantage particularly for women with dense breast tissue. The resulting images are of convincing quality and retakes are reduced to a minimum.

Clear Results



The measure of all things. For physician and patient. Real comfort and convenience.

Like MAMMOMAT 1000, MAMMOMAT 3000 Nova is also equipped with Opcomp. It automatically and individually senses the breast compression needed to produce the ideal combination of minimal patient discomfort and best possible image quality.

A wide array of compression plates ensures gentle compression optimized for each individual breast. An optionally available perforated biopsy compression plate and magnification tables further expand the scope of applications.

The open design of MAMMOMAT 3000 Nova means excellent access, even for patients in a wheelchair. Examinations can be performed with equal ease on patients in standing, sitting or recumbent positions.

MAMMOMAT 3000 Nova is distinguished by its user friendliness – developed in close cooperation with physicians – to ensure optimal support of your workflow.

A radiation shield with control panel allows you to operate the system from a protected area.

User-friendly Operation

Siemens analog mammography

Efficient workflow. Smooth integration.



Excellence by
experience

Customer satisfaction

Nothing is more convincing than satisfied customers.

“The MAMMOMAT Nova 3000 provides high image quality, superb ease-of-use, and improved patient comfort. With other systems, it can really be a struggle to position the patient. But with the MAMMOMAT 3000 Nova, I can hold the patient with one hand and run the system with the other.

The MAMMOMAT 3000 Nova is also the most comfortable experience for our patients, even for MLO views. The Opcomp feature and different sized paddles help to significantly improve patient comfort and positioning – especially with elderly patients.

It’s simply the easiest analog mammography system that I’ve ever used.”

Piper Smith R.T.R.M
Mammography Technologist
Proctor Hospital, Peoria, Illinois, USA

“Our radiological practice has been working with two MAMMOMAT 1000 systems from Siemens for two years now. The image quality is excellent and tops some digital mammography systems available on the market. Apart from the excellent image quality, we especially appreciate the high patient comfort, good operability, and the extreme reliability of the system.”

Dr. med. C. Kleine
Doctor for Radiology
Hagen, Germany

“The MAMMOMAT 3000 Nova is a very user-friendly machine to operate. Not only is the performance excellent, but the iso-centric rotation and the Opcomp feature make it quicker and easier for the technicians as well as comfortable for the patients. I am very satisfied with the machine and its performance.”

Dr. Bijal Jankharia
Jankharia Imaging, Mumbai, India

Siemens analog mammography

Your advantages at a glance.

MAMMOMAT 1000

Application

- Screening

Design

- Small footprint
- Open design
- Isocentric movements

Image quality

- Opdose auto-selects the best anode/filter combination and lowest dose according to individual breast characteristics
- Anode/filter combination with:
Mo/Mo, Mo/Rh

Comfort and convenience

- Opcomp for optimal compression with automatic selection of the required pressure
- SoftSpeed reduces the speed of the compression plate as it touches the breast
- Large range of compression plates such as Flex², which automatically adapts to the breast anatomy
- Easy access for the physician, technician, and patient
- Also suitable for patients in a wheelchair
- Easy to use
- Quickswitch to change cassettes easily within seconds using only one hand

Efficiency

- High patient throughput
- Fast amortization

MAMMOMAT 3000 Nova

Application

- Screening
- Diagnostic
- Stereotactic biopsy

Design

- Small footprint
- Open design
- Isocentric movements
- Pivoting bucky table for switching quickly between different formats

Image quality

- Opdose auto-selects the best anode/filter combination and lowest dose according to individual breast characteristics
- Anode/filter combination with:
Mo/Mo, Mo/Rh, W/Rh for reduced dose

Comfort and convenience

- Opcomp for optimal compression with automatic selection of the required pressure
- SoftSpeed reduces the speed of the compression plate as it touches the breast
- Large range of compression plates such as Flex², which automatically adapts to the breast anatomy
- Easy access for the physician, technician, and patient
- Also suitable for patients in a wheelchair
- Easy to use
- Quickswitch to change cassettes easily within seconds using only one hand

Efficiency

- High patient throughput
- Fast amortization
- One system for almost all applications in mammography
- Prepared for the use of CR readers from different manufacturers

MAMMOMAT



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