



Breast biopsy – efficient, more precise, intuitive and patient friendly

MammoTest

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MammoTest for best access, excellent imaging and increased comfort in breast biopsy



We at Siemens know how challenging a breast biopsy can be for both you and your patient. This is why we have integrated MammoTest™ – a fully digital prone table biopsy system – into our portfolio of comprehensive breast care solutions.

With MammoTest, the patient always rests in a more comfortable prone position. The largest aperture in the industry lets the breast and axilla fall away from the chest, offering unobstructed access to the region of interest. This also keeps the whole procedure out of your patient's view, helping to make the entire intervention even more comfortable and relaxed. Patient repositioning also becomes a thing of the past with MammoTest. No matter from which direction you need to access the targeted lesion – your patient can generally remain in a more comfortable prone position.

As with Opdima, our combined spot-imaging and stereotactic biopsy system, MammoTest offers all the advantages of a minimally invasive intervention. This means less stress and faster recovery for your patient as well as probable money and time savings for you and your facility.

MammoTest is designed with maximum access, excellent imaging and targeting as well as utmost patient and user comfort in mind. Its technology and success is proven by various clinical studies and several thousand installations worldwide.

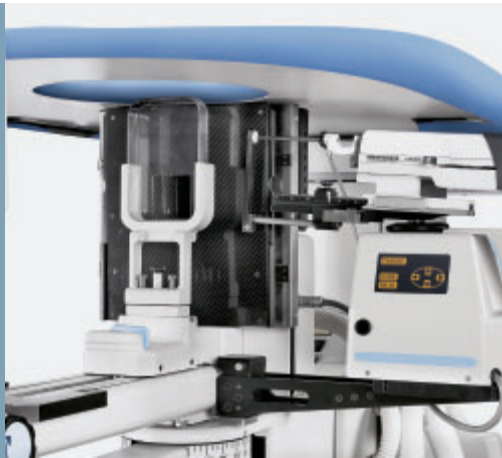
Read about the benefits the Siemens MammoTest can bring to you and your facility.



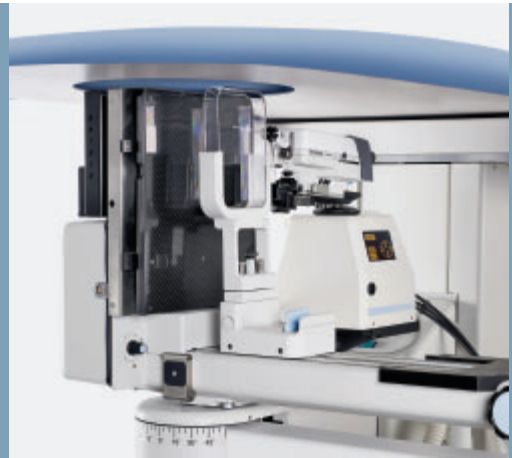
360° access gives you the all-angles advantage



Polar coordinates with angled targeting offer best possible chest wall access



Needle access from a lateral approach with the same accuracy and stability of a straight-on access



True 360° access also for 6 o'clock lesions

Full access helps you trap the enemy

The MammoTest breast biopsy system is designed with maximum patient and lesion access in mind. No matter how challenging or hard-to-reach the lesion seems, MammoTest literally helps you to surround the "enemy" and sample it as tissue sparing and as efficiently as possible. Throughout the procedure the patient remains in a more comfortable prone position.

The special table design together with a rotating gantry as well as the lateral arm offer true all-angles and fully 360° patient and lesion access.

A lateral arm that comes standard

The lateral arm comes standard with every system. It provides needle access from a lateral approach, with the same accuracy and stability of the straight-on approach, which results in improved and unobstructed access to the lesion. The lateral arm makes the system especially suited for thin compressed breasts, 6 o'clock lesions and superficial lesions.

Gantry moves in every desired direction and offers true 360° access together with the lateral arm



Largest breast aperture in the industry

The table features a central breast aperture of 11 inches/28 cm, which is the largest aperture available in the industry. This offers comfortable arm-through procedures ideally suited for challenging lesions close to the chest wall or in the axillary region.

Wide range of gantry movement avoids patient repositioning

The gantry itself moves by one click only into every desired position and helps assure the shortest way for your needle. And imagine, wherever the lesion is located – you generally don't have to reposition your patient, making the whole procedure even more comfortable and efficient.

What more can you desire?



Largest breast aperture in the industry especially suited for lesions high up in the axilla region



Easy breast positioning makes patient repositionings almost unnecessary

Imaging and targeting for highly professional results



Proven digital technology

With over 30 years of mammography experience, we understand the importance of image detail for breast biopsy. Visualizing the smallest microcalcifications is crucial for stereotactic biopsy and early breast cancer detection.

This is why the fully digital detector of our MammoTest offers a fiber-optically coupled 1024 x 1024 CCD (charged coupled device) and a highly efficient scintillator. Together, this results in optimized contrast and spatial resolution which provides you with faster and easier visualization of the entire breast anatomy.

Unique polar coordinate system

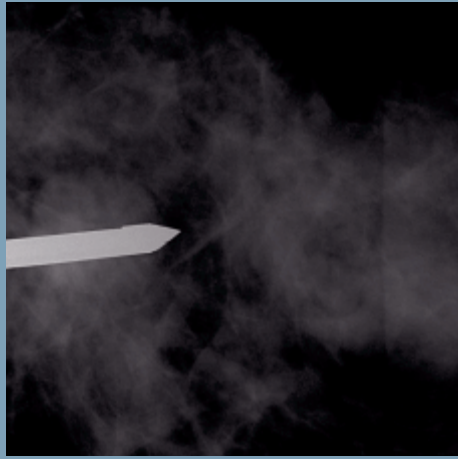
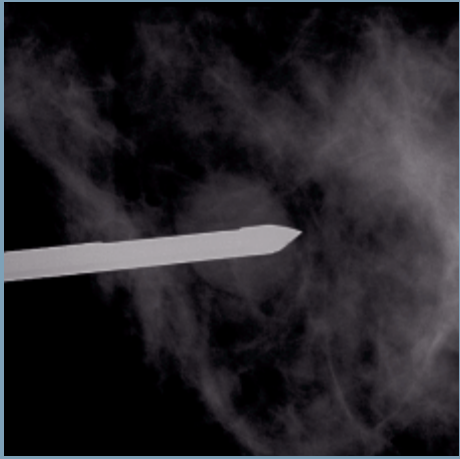
In contrast to cartesian coordinate systems seen in other biopsy solutions, we at Siemens offer an angled access to the lesion by using polar coordinates. This is unique in the industry, leading to advantages you would not want to do without. The polar coordinate approach allows for greater access with unobstructed views of all breast areas,

including lesions very close to the chest wall and thus not reachable with other systems. Together with the AutoGuide targeting and guidance system, the Siemens polar coordinate approach offers precise positioning.

“Target on Scout” makes a difference

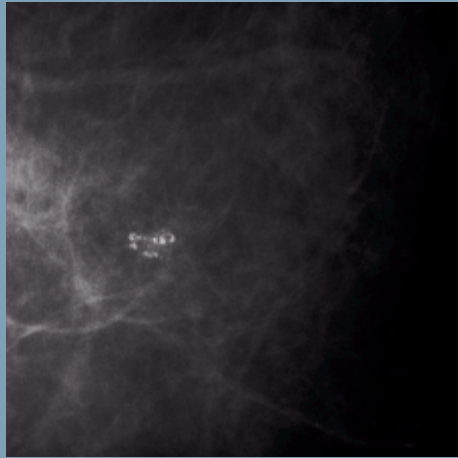
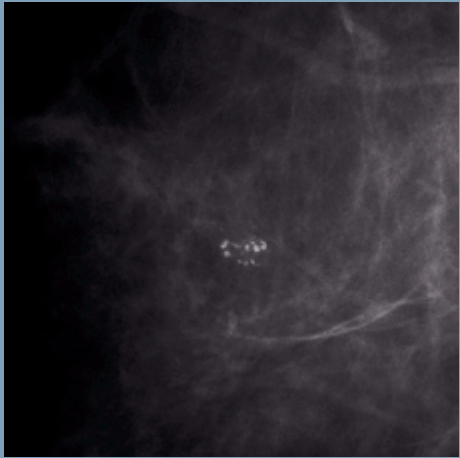
Another superb imaging and targeting advantage of the MammoTest is its true “Target on Scout” capability. The polar function of AutoGuide enables a straight-on 0° Scout View for targeting. This means that if one of the acquired $\pm 15^\circ$ images is not suitable for precise lesion localization and needle placement, the “Target on Scout” function will create a new stereo view from the 0° image to ensure exact lesion positioning and controlled therapy for you and your patient, saving your patient from additional X-ray exposure. After that, AutoGuide exactly and automatically calculates the lesion’s position and the needle positioning and biopsy can be performed easily.

This offers imaging and targeting of a quality you have to see to believe.



Needle positioning using lateral arm

Stereotactic images displaying lateral arm access to a solid lesion in a thinly compressed breast



Faint microcalcifications

Faint microcalcifications captured at +15° and -15°



Target On Scout image

Example of true Target On Scout imaging: 0° Scout and -15° angles shown



The table contours reduce neck, shoulder, and lower back stress

We really make a minimally invasive procedure minimal

Utmost Patient Comfort

When performing a breast biopsy, we know that your focus is always on your patient. So is ours. This results in a patient friendly and sufficiently sized table design with large breast aperture for more comfortable arm-through procedures. Further ergonomic features reduce shoulder and back stress. The more comfortable prone position assures that the whole procedure is kept out of your patient's view, while you of course can always stay in eye contact. All this helps to minimize patient stress and discomfort. And as the word "minimal" also indicates, this way of performing a biopsy saves your patient from general anesthesia, minimizes breast injury and facilitates a fast recovery.

Efficiency and comfort for the user

Apart from all its convincing features mentioned earlier like: All-angles access, lateral arm, Target on Scout and many more, MammoTest also offers compatibility with a large variety of needles and wire localization devices. Combined with a broad range of tools and AutoGuide, the whole process of breast biopsy gets even more efficient. Of course MammoTest is PACS and DICOM compatible, for high connectivity and increased workflow efficiency.

All this makes MammoTest a biopsy solution you can depend on for excellent results.

For quick and exact wire localization

You can always keep eye contact with your patient





MammoTest for a more precise and efficient diagnosis



Proven Outcomes.

This is what Siemens is helping to deliver right now. Outcomes that result from truly efficient workflow. Outcomes that improve your bottom line. Outcomes that lead to a level of care that feels exceptional to the patient and the care provider. Proof positive of the value of integrating medical technology, IT, management consulting and services. In a way that only Siemens can.

Life – our customer care program

Life is the unique customer care solution from Siemens that helps you get the most from your investment. From the moment of your purchase, Life surrounds you with an array of programs and support that enables the continuous development of your skills, productivity, and technology. Allowing you to broaden your capabilities. Increase profitability. And take patient care to the next level.

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