

## Siemens Healthineers Thailand Launches MAMMOMAT B.brilliant, a 3D Mammography to support earlier Breast Cancer Diagnosis

- **Medical experts and Siemens Healthineers encourage Thai women to prioritize breast health during Breast Cancer Awareness Month, as the company introduces the 3D mammography system MAMMOMAT B.brilliant for the first time in Thailand.**
- **The system delivers high-resolution medical imaging for confident early detection, with scanning completed in just five seconds.**

20 October 2025 –Siemens Healthineers, a global leader in medical innovation provider, reinforces its commitment to advancing early breast cancer detection in Thailand by launching the new MAMMOMAT B.brilliant 3D mammography system. The system features PlatinumTomo technology to enhance accuracy, speed, and efficiency in breast cancer detection and diagnosis, particularly in early-stage screening, while minimizing radiation exposure. It is also designed to improve clinical workflow for healthcare professionals while enhancing comfort for patients through automatic breast compression. This marks a significant milestone in improving quality of life and reducing breast cancer mortality rates in Thailand sustainably.

Breast cancer remains a major global public health concern. According to the World Health Organization (WHO), more than 2.3 million women are diagnosed with breast cancer annually, resulting in over 670,000 deaths worldwide. In Thailand, it is the most common cancer among women, with approximately 38,559 new cases reported in 2022, according to the Ministry of Public Health. Patients diagnosed at early stages (0–I) have survival rates exceeding 90%, yet many individuals remain unaware of the importance of regular screening and rely solely on self-examination. This often leads to late-stage detection (stages II–IV), which complicates treatment and reduces survival outcomes. Additionally, dense breast tissue, which is prevalent among Thai women, can obscure small lesions and reduce the sensitivity of conventional mammography, posing a critical challenge to early and accurate diagnosis in the country.

Associate Professor Pailin Kongmebhol, M.D., Head of Radiology Department, Faculty of Medicine, Chiang Mai University, mentioned that “Three-dimensional mammography, which utilizes wide-angle imaging, allows radiologists to distinguish overlapping breast tissues and identify small lesions with greater clarity. This significantly improves the chance of early detection and increases survival outcomes. During Breast Cancer Awareness Month, we encourage proactive screening. Women at higher risk, such as those with a family history of breast cancer or those aged 40 and above, should undergo annual 3D mammography even in the absence of symptoms. Meanwhile, all women should regularly perform self-examinations to detect any changes and seek timely medical consultation.”

Mr. Chris Poray, Managing Director, Siemens Healthineers Thailand, commented that, in response to current diagnostic and treatment challenges, Siemens Healthineers is introducing MAMMOMAT B.brilliant in Thailand for the first time. The system is built on PlatinumTomo technology to deliver precise, fast, and efficient breast cancer diagnostics, especially in the early stages, through the following key features:

- **50° Wide-Angle Tomosynthesis:** Performs a 50° wide-angle tomosynthesis, which offers the highest depth resolution and mass detectability in mammography. It provides excellent image resolution while minimizing tissue overlapping and significantly enhances the visibility of calcifications and lesions.
- **Flying Focal Spot Tube:** Allows precise, rapid movement of the X-ray focal spot and controlled stationary positioning to efficiently deliver radiation. This enhances image sharpness and fine detail while completing the scan in just five seconds, shortening breast compression time and enhancing overall patient comfort during the examination.
- **PREMIA Image Reconstruction:** An AI-powered image reconstruction framework that boosts synthetic mammogram sharpness while reducing artifacts and motion blur.

Beyond imaging performance, MAMMOMAT B.brilliant is designed to optimize clinical workflow for healthcare professionals. Features include the ComfortGuide Display, an interactive interface that presents patient information and upcoming workflow steps to ensure both accuracy and efficiency. The ComfortMove feature improves freedom of movement and patient accessibility during MLO positioning, enabling radiologists to maintain focus on patient care. For patients, the system enhances comfort with a large transparent face shield and automatic, optimized, and personalized breast compression for increased comfort. In addition, a software-based anti-scatter solution minimizes radiation exposure for both patients and clinicians.

“The introduction of the MAMMOMAT B.brilliant in Thailand represents a pivotal step in advancing early breast cancer detection and improving patient outcomes,” said Mr. Poray. “It underscores Siemens Healthineers’ commitment to pioneering breakthroughs in healthcare for everyone, everywhere, sustainably.”

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