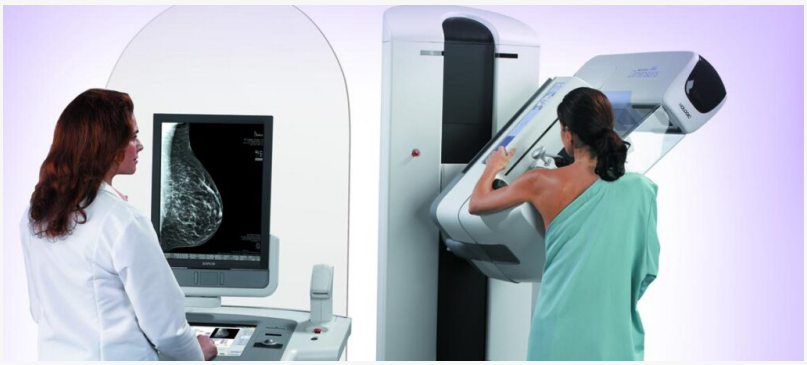
Digital Breast Tomosynthesis (DBT) Equipment Market to Grow from USD 3.26 Billion in 2025 to USD 7.66 Billion by 2035

Digital Breast Tomosynthesis Market to Reach USD 7.66 Billion by 2035 at 8.9% CAGR



Digital Breast Tomosynthesis (DBT) Equipment Market

NEW YORK, DE, UNITED STATES, June 4, 2025 /EINPresswire.com/ -- The global digital breast tomosynthesis (DBT) equipment market is estimated to be valued at USD 3.26 billion in 2025 and is projected to reach USD 7.66 billion by 2035, registering a compound annual growth rate (CAGR) of 8.9% over the forecast period.

The digital breast tomosynthesis (DBT) equipment market has gained significant traction over recent years as healthcare systems around the globe prioritize early detection and accurate diagnosis of breast cancer. DBT, commonly known as 3D mammography, is a technologically advanced imaging method that provides detailed cross-sectional images of breast tissue. This innovation has revolutionized breast cancer screening by minimizing the limitations associated with conventional 2D mammography, especially in women with dense breast tissues. As awareness surrounding breast cancer screening continues to rise, the demand for DBT equipment is steadily climbing across healthcare institutions, imaging centers, and hospitals.

> “The digital breast tomosynthesis (DBT) equipment market reflects a vital shift toward early, accurate breast cancer detection through innovative imaging solutions.”
>
> *Sabyasachi Ghosh*

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The digital breast tomosynthesis (DBT) equipment market is witnessing expanding applications in both diagnostic and screening settings, helping clinicians improve cancer detection rates and

reduce false positives. As healthcare providers embrace advanced imaging solutions, DBT is becoming a cornerstone in breast imaging practices globally. With increasing investments in healthcare infrastructure and technological advancements, the market is poised for continued expansion and evolution.

Market Trends

Several key trends are shaping the digital breast tomosynthesis (DBT) equipment market today. One of the most notable trends is the integration of artificial intelligence (AI) in imaging workflows. AI-powered solutions are enhancing the diagnostic capabilities of DBT systems by streamlining image interpretation, improving detection accuracy, and minimizing human error. These AI-enabled tools support radiologists in identifying subtle abnormalities and making faster, more accurate diagnoses.

Another prominent trend is the growing preference for mobile and portable DBT units. Healthcare providers are investing in mobile breast screening units to reach underserved populations in remote and rural areas. These units offer a flexible and cost-effective way to extend breast cancer screening services beyond traditional clinical settings. Additionally, there is a rising emphasis on patient comfort, with manufacturers designing ergonomic and low-radiation systems to enhance the screening experience and encourage regular check-ups.

Driving Forces Behind Market Growth

The growth of the digital breast tomosynthesis (DBT) equipment market is being driven by multiple factors. Chief among them is the rising global incidence of breast cancer. As the most commonly diagnosed cancer among women, breast cancer has prompted governments and healthcare organizations to prioritize early detection and timely treatment. DBT's ability to detect smaller and more subtle lesions compared to 2D mammography has made it a vital tool in national screening programs and hospital diagnostic services.

Increasing public awareness campaigns and advocacy efforts have also contributed significantly to market growth. Health organizations are emphasizing the importance of regular breast cancer screening, leading to higher patient compliance and more frequent screening visits. At the same time, advancements in imaging technology and supportive regulatory frameworks are enabling faster market penetration of DBT systems. Funding and reimbursement policies in favor of 3D mammography in developed regions are further fueling adoption rates, encouraging both public and private healthcare providers to invest in state-of-the-art DBT systems.

Challenges and Opportunities

Despite its promising growth trajectory, the digital breast tomosynthesis (DBT) equipment market faces several challenges. One major hurdle is the high initial investment required for purchasing and installing DBT systems. Smaller healthcare facilities and providers in low-

resource settings often find it difficult to allocate budgets for such capital-intensive equipment. Additionally, there is a need for specialized training and expertise to effectively operate DBT systems and interpret the resulting images.

However, these challenges also pave the way for new opportunities. As technology matures, manufacturing costs are expected to decline, making DBT systems more affordable and accessible to a broader range of healthcare providers. The development of cloud-based imaging platforms and teleradiology services is also enabling remote diagnosis and expert consultations, particularly beneficial in regions lacking radiology specialists. Moreover, strategic partnerships between public health agencies, nonprofit organizations, and private manufacturers can drive the implementation of mobile screening programs, significantly boosting market outreach.

Recent Industry Developments

Recent developments in the digital breast tomosynthesis (DBT) equipment market underscore the rapid pace of innovation in this field. Leading medical imaging companies are launching new systems that offer higher resolution, faster scan times, and enhanced workflow efficiency. These advancements aim to improve the patient and clinician experience while maintaining superior diagnostic accuracy.

Regulatory approvals and clearances from health authorities are helping manufacturers bring new products to market more quickly. Companies are also focusing on expanding their service offerings, such as integrating DBT systems with cloud-based platforms that enable remote access to images and collaborative diagnosis. In parallel, many firms are entering into strategic collaborations to co-develop AI algorithms that complement DBT imaging and further enhance diagnostic confidence.

Regional Analysis

The digital breast tomosynthesis (DBT) equipment market exhibits varying growth patterns across different regions. North America currently holds a dominant position, owing to robust healthcare infrastructure, favorable reimbursement policies, and widespread adoption of advanced diagnostic tools. The United States, in particular, has been at the forefront of integrating DBT into national screening programs and insurance-covered diagnostics.

Europe follows closely, with countries such as Germany, the UK, and France making significant investments in breast cancer screening and early detection initiatives. In Asia-Pacific, the market is experiencing rapid growth, driven by increasing healthcare awareness, improving infrastructure, and government-led screening campaigns in countries like China, Japan, and India. The Middle East and Africa, though currently representing a smaller share, are expected to witness gradual adoption as healthcare systems continue to evolve and modernize.

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Competitive Outlook

The digital breast tomosynthesis (DBT) equipment market is highly competitive, with several established players and emerging companies vying for market share. Competition is largely driven by innovation, technological advancements, product differentiation, and service quality. Leading companies are heavily investing in research and development to introduce next-generation DBT systems with enhanced features and improved diagnostic performance.

Many players are focusing on expanding their geographical footprint through mergers, acquisitions, and strategic partnerships. These collaborations often aim to gain access to untapped markets, strengthen distribution networks, and share technological expertise. Customer support services, including training, maintenance, and software upgrades, are also playing a crucial role in differentiating brands in this competitive landscape.

Top Companies

Several key players are shaping the future of the digital breast tomosynthesis (DBT) equipment market. Hologic, Inc. is widely recognized for its early leadership in 3D mammography technology and continues to be a dominant force through consistent innovation and an extensive product portfolio. GE Healthcare and Siemens Healthineers are also significant contributors, offering high-performance DBT systems with integrated imaging platforms and digital health solutions.

Other noteworthy participants include Fujifilm Holdings Corporation, Philips Healthcare, and Canon Medical Systems Corporation. These companies are expanding their DBT offerings by incorporating user-friendly interfaces, AI integration, and portable system designs. Emerging companies and regional manufacturers are entering the market with cost-effective alternatives and customized solutions tailored to local needs, increasing competition and market diversity.

Segmentation Outlook

The digital breast tomosynthesis (DBT) equipment market can be segmented based on product type, end-user, and application. Product-wise, the market includes stand-alone DBT systems and integrated DBT systems. Integrated systems are gaining popularity due to their versatility and compatibility with existing imaging infrastructure. On the basis of end-users, hospitals, diagnostic imaging centers, and breast care clinics represent the key market segments, with hospitals leading in terms of adoption volume.

From an application perspective, the market spans both screening and diagnostic purposes. Screening applications are dominant due to growing awareness and routine check-up programs,

while diagnostic applications are crucial for evaluating suspicious cases identified during preliminary exams. This segmentation helps manufacturers tailor their offerings to specific customer needs and healthcare delivery models, further supporting market expansion.

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