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Mammography Devices Market - Global Industry Size, Share, Trends, Opportunity & Forecast, Segmented By Product Type (Full-field Digital Mammography, Film-screen Mammogram, Breast Tomosynthesis), By Technology (Digital, Analog), By End User (Hospitals & Clinics, Diagnostic Centres, Others), By Region & Competition, 2020-2030F

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Abstracts

Market Overview

The Global Mammography Devices Market was valued at USD 2.74 Billion in 2024 and is projected to reach USD 3.84 Billion by 2030, growing at a CAGR of 5.75% during the forecast period. Mammography devices utilize low-dose X-ray technology to examine breast tissue and detect abnormalities such as tumors, often before clinical symptoms appear. These minimally invasive diagnostic tools are instrumental in early breast cancer detection and are commonly used in screening programs for at-risk populations. Technological advancements in digital mammography, breast tomosynthesis, and computer-aided detection have improved image clarity and diagnostic accuracy. The devices function by compressing the breast between two plates while emitting X-rays to capture high-resolution images, where dense tissues and potential tumors appear distinctly. The growing emphasis on early diagnosis, coupled with increased awareness initiatives and improved accessibility to screening services, is expected to drive steady demand for mammography systems globally.

Key Market Drivers

Growing Burden of Breast Cancer

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The increasing global prevalence of breast cancer is a major driver of the mammography devices market. With 2.3 million new cases and 670,000 deaths reported in 2022, breast cancer remains the most common and deadly cancer among women worldwide. This growing burden emphasizes the critical need for effective early detection tools. Mammography is widely recognized as the most reliable method for identifying breast cancer at its earliest and most treatable stage. The demand for mammography devices has been bolstered by rising awareness about routine screenings, advancements in imaging quality, and the introduction of patient-friendly features. Innovations like 3D mammography (breast tomosynthesis) offer improved imaging depth and accuracy, minimizing false results and encouraging wider adoption. As health systems continue to prioritize preventive diagnostics, mammography devices are poised to play a central role in enhancing survival outcomes and reducing treatment costs.

Key Market Challenges

Reduction in Reimbursement

Lower reimbursement rates for mammography services are hindering market growth by limiting access and discouraging investment in modern imaging technologies. Healthcare providers often rely on reimbursements to offset the cost of purchasing and operating mammography equipment. When these rates decline, particularly for advanced systems like 3D tomosynthesis, smaller clinics and rural healthcare centers may find it financially unsustainable to continue offering services. This could result in reduced availability of mammography screenings in underserved areas and a slower pace of technology upgrades across facilities. Ultimately, the reimbursement gap may delay early diagnosis and undermine public health initiatives aimed at combating breast cancer through routine screening.

Key Market Trends

AI and Computer-Aided Detection (CAD)

The integration of artificial intelligence and machine learning into mammography devices is reshaping the landscape of breast cancer diagnostics. AI-powered CAD systems enhance the interpretation of mammograms by identifying anomalies such as microcalcifications, masses, or tissue distortions with greater precision. These tools assist radiologists by highlighting suspicious areas, thereby reducing interpretation time

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and the likelihood of false positives or negatives. The adoption of AI in imaging has streamlined workflows, improved diagnostic confidence, and contributed to earlier detection. As datasets grow and algorithms become more refined, AI-enabled mammography is set to become a standard practice, especially in high-volume screening centers where accuracy and efficiency are paramount.

Key Market Players

Hologic, Inc.

Fujifilm Holdings Corporation

Philips Healthcare

Siemens Healthineers AG

GE Healthcare

Carestream Health, Inc.

Konica Minolta Inc.

Delphinus Medical Technologies, Inc.

Analogic Corporation

KUB Technologies, Inc.

Report Scope

In this report, the Global Mammography Devices Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Mammography Devices Market, By Product Type:

Full-field Digital Mammography

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Film-screen Mammogram

Breast Tomosynthesis

Mammography Devices Market, By Technology:

Digital

Analog

Mammography Devices Market, By End User:

Hospitals & Clinics

Diagnostic Centres

Others

Mammography Devices Market, By Region:

North America

United States

Canada

Mexico

Europe

France

United Kingdom

Italy

Germany

Spain

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- Asia-Pacific
  - China
  - India
  - Japan
  - Australia
  - South Korea
- South America
  - Brazil
  - Argentina
  - Colombia
- Middle East & Africa
  - South Africa
  - Saudi Arabia
  - UAE

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Mammography Devices Market.

Available Customizations

Global Mammography Devices market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following

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customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

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