

Medical Imaging Market Report by Product (CT Scanners, X-Ray Imaging Systems, MRI Systems, Ultrasound Imaging Systems, Nuclear Imaging Systems, Mammography Systems), Application (Obstetrics and Gynecology Health, Orthopedics and Musculoskeletal, Neuro and Spine, Cardiovascular and Thoracic, General Imaging, Breast Health, and Others), End User (Hospitals, Diagnostic Centers, Academic Institutes and Research Organizations), and Region 2025-2033

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Report description:

The global medical imaging market size reached USD 44.5 Billion in 2024. Looking forward, IMARC Group expects the market to reach USD 70.8 Billion by 2033, exhibiting a growth rate (CAGR) of 5.03% during 2025-2033. The market is experiencing robust growth, driven by rapid technological advancements, the rising prevalence of chronic diseases, increasing demand for early diagnosis, expanding healthcare infrastructure and the growing geriatric population.

Medical imaging refers to the technique of creating visual depictions of the human body for diagnosing an ailment and its subsequent medical treatment. Computed tomography (CT) scanners, magnetic resonance imaging (MRI), nuclear imaging, mammography, and ultrasound are common medical imaging systems. It is a non-invasive technique that helps medical professionals to assess patients' bones, organs, tissue, and blood vessels. Medical imaging tests are safe, quick, and easy to perform and aid in early and accurate diagnosis, understanding complications, and eliminating the need for exploratory surgery. As a result, medical imaging is widely used in cardiovascular and thoracic, orthopedics and musculoskeletal, obstetrics and gynecology, and neurology departments.

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Medical Imaging Market Trends:

The significant growth in the healthcare industry across the globe is creating a positive outlook for the market. In line with this, the growing occurrence of lifestyle diseases owing to sedentary lifestyles and age-related ailments in the steadily rising geriatric population is also favoring the market growth. Medical imaging is widely used by healthcare specialties to diagnose diseases and injuries, such as cancer, heart blockage, fractures, and tumors. Apart from this, the introduction of three-dimensional (3D) imaging technology to develop enhanced resolutions and more intricate details for better patient care is providing an impetus to the market growth. Moreover, the integration of artificial intelligence (AI) to enhance tissue-based detection and provide accuracy and sensitivity in the identification of imaging abnormalities is acting as another growth-inducing factor. Furthermore, the increasing demand for CT scans and MRIs to detect the spread of COVID-19 in the lungs is positively influencing the market growth. Other factors, including rising expenditure capacities of consumers, extensive research and development (R&D) activities, and the launch of portable imaging devices, are anticipated to drive the market growth.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each segment of the market, along with forecasts at the global, regional, and country levels for 2025-2033. Our report has categorized the market based on product, application, and end user.

Breakup by Product:

- CT Scanners
- X-Ray Imaging Systems
- MRI Systems
- Ultrasound Imaging Systems
- Nuclear Imaging Systems
- Mammography Systems

Breakup by Application:

- Obstetrics and Gynecology Health
- Orthopedics and Musculoskeletal
- Neuro and Spine
- Cardiovascular and Thoracic
- General Imaging
- Breast Health
- Others

Breakup by End User:

- Hospitals
- Diagnostic Centers
- Academic Institutes and Research Organizations

Breakup by Region:

- North America
- United States
- Canada
- Asia-Pacific

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- China
- Japan
- India
- South Korea
- Australia
- Indonesia
- Others
- Europe
- Germany
- France
- United Kingdom
- Italy
- Spain
- Russia
- Others
- Latin America
- Brazil
- Mexico
- Others
- Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being Canon Medical Systems Corporation (Canon Inc.), Carestream Health, Cubresa Inc., Esaote SpA, FUJIFILM VisualSonics Inc., GE HealthCare (General Electric Company), Hologic Inc., Koning Corporation, Koninklijke Philips N.V., Materialise NV, Mindray Medical International Limited, Samsung Medison Co. Ltd. (Samsung Electronics Co. Ltd.) and Siemens Healthineers AG (Siemens AG).

Key Questions Answered in This Report

- 1.What was the size of the global medical imaging market in 2024?
- 2.What is the expected growth rate of the global medical imaging market during 2025-2033?
- 3.What are the key factors driving the global medical imaging market?
- 4.What has been the impact of COVID-19 on the global medical imaging market?
- 5.What is the breakup of the global medical imaging market based on the product?
- 6.What is the breakup of the global medical imaging market based on the application?
- 7.What is the breakup of the global medical imaging market based on the end user?
- 8.What are the key regions in the global medical imaging market?
- 9.Who are the key players/companies in the global medical imaging market?

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