

X-Ray Devices Market Set to Expand at a Robust CAGR of 8.36% by 2030, According to DelveInsight Report

Companies like Hologic, Koninklijke Philips, and MinXray are advancing X-Ray Devices, improving diagnosis and patient outcomes.

LAS VEGAS , NV, UNITED STATES, February 6, 2025 /EINPresswire.com/ -- DelveInsight's "X-Ray Devices Market Insights, Competitive Landscape and Market Forecast-2030" report provides a comprehensive analysis of the global X-ray devices market, focusing on adoption trends, technological advancements, and market dynamics across key regions. The report examines the market's growth trajectory, offering historical and projected market sizes, revenue trends, and critical factors driving the demand for X-ray devices in the healthcare sector.

The report presents vital statistics on the current market landscape and highlights emerging innovations in X-ray technology. It explores how advancements in digital imaging, AI integration, and portable X-ray systems are enhancing diagnostic accuracy, workflow efficiency, and accessibility, making X-ray devices indispensable in modern medical imaging. These innovations are shaping the future of diagnostic radiology globally.

Additionally, the report evaluates the competitive landscape, profiling major players in the global X-ray devices market while also highlighting emerging technologies and solutions expected to drive market growth. It provides an in-depth review of ongoing clinical developments, regulatory progress, and novel product launches in the X-ray segment. This report serves as an essential resource for understanding the evolving dynamics of the X-ray devices market and forecasting the future direction of this rapidly advancing sector within the global healthcare industry.

To Know in detail about the X-Ray Devices market outlook, drug uptake, treatment scenario, and epidemiology trends, Click here: [X-Ray Devices Market Forecast Report](#)

Some of the key insights of X-Ray Devices Market Report:

- The global X-ray devices market was valued at USD 9.75 billion in 2024, growing at a CAGR of 8.36% during the forecast period from 2024 to 2030, reaching USD 15.70 billion by 2030.
- North America is estimated to hold a significant revenue share in the X-ray devices market.
- In February 2025, the FDA granted Lumitron Technologies, Inc. "Breakthrough Device" designation for its HyperVIEW™ X-Ray system, which uses the K-Edge subtraction technique to

enable contrast-enhanced imaging for breast cancer diagnosis. This technology utilizes Lumitron's proprietary distributed charge laser-Compton technology, offering 100 times higher resolution and significantly safer imaging compared to standard X-rays.

- In January 2025, OXOS Medical®, a MedTech innovator in X-ray solutions, announced that its MC2 Portable X-ray System has received FDA 510(k) clearance and is now available for sale.
- Key players in the global X-ray devices market include Hologic, Inc., Shenzhen SONTU Medical Imaging Equipment Co., Ltd, Bracco Imaging S.P.A., Fujifilm Holdings Corp, GE HealthCare, KUB Technologies INC., Koninklijke Philips N.V., Shimadzu Corporation, Siemens Healthcare Private Limited, Agfa-Gevaert N.V., CANON MEDICAL SYSTEMS CORPORATION, Konica Minolta, Inc., Shenzhen Mindray Bio-Medical Electronics Co., Ltd., Varex Imaging, MinXray, Inc., Acteon, Carestream Health, Samsung Medison Co., Ltd., Source-Ray, Inc., KaVo Dental, and others.

X-Ray Devices Overview

X-ray devices play a crucial role in modern medical diagnostics, industrial applications, and scientific research, leveraging advanced imaging technologies for enhanced precision and efficiency. In healthcare, X-ray imaging is essential for visualizing medical implants, including Watchman device X-ray, intrauterine device X-ray, and Impella device X-ray, ensuring proper placement and functionality. Additionally, X-ray fluorescence devices are widely used in material analysis, enabling non-destructive testing in various industries, from pharmaceuticals to environmental science. The continuous evolution of X-ray technology, including AI-powered imaging, portable systems, and enhanced digital radiography, is driving market growth and expanding the application of X-ray devices across multiple sectors.

Get a Free sample for the X-Ray Devices Market Forecast, Size & Share Analysis Report:

https://www.delveinsight.com/report-store/x-ray-devices-market?utm_source=einpresswire&utm_medium=pressrelease&utm_campaign=jpr

X-Ray Devices Market Segment Analysis:

The X-Ray Devices market report offers market segment analysis for the forecast period 2024-2030 segmented into:

- X-Ray Devices Market by Product Type (Analog and Digital)
- X-Ray Devices Market by Portability (Fixed and Portable)
- X-Ray Devices Market by Technology (Direct Radiography and Computed Radiography)
- X-Ray Devices Market by Application (Orthopedic, Dental, Cardiovascular Diseases, Oncology, and Others)
- X-Ray Devices Market by End-User (Hospitals, Diagnostic Centers, and Others)
- X-Ray Devices Market by Geography (North America, Europe, Asia-Pacific, and Rest of the World)

Download the [X-Ray Devices Market Analysis report](#) for key market trends, innovations, and growth drivers.

X-Ray Devices Market Dynamics

X-ray devices are integral to diagnosing and managing various health conditions, particularly in oncology, cardiovascular care, and dental health. In cancer treatment, X-rays help detect tumors, guide biopsies, and monitor therapy progress by identifying abnormal growths and assessing the spread of the disease. In cardiovascular care, chest X-rays and angiograms are vital for visualizing heart and lung conditions, detecting blockages, and assisting with stent or pacemaker placement. For dental care, X-rays are essential for diagnosing issues like cavities, gum disease, and bone loss, aiding in accurate treatment planning.

The rising global incidence of cancer, cardiovascular diseases, and dental conditions is expected to significantly drive the demand for X-ray devices from 2024 to 2030. However, concerns about the risks associated with repeated radiation exposure, such as skin burns, hair loss, and radiation sickness, along with the availability of alternative diagnostic options, may limit market growth.

North America Set to Lead the Growth of the Global X-Ray Devices Market

North America is expected to hold a significant share of the X-ray devices market, driven by several factors such as the increasing prevalence of cancer, advancements in X-ray technology, and supportive regulatory approvals. The region's growing cancer burden, including various types such as prostate, lung, and colorectal cancers in men and breast, lung, and colorectal cancers in women, highlights the crucial role of X-ray devices in cancer detection and management. X-rays are essential in diagnostic procedures like mammography, chest X-rays for lung cancer detection, and bone X-rays for identifying metastases. They also assist in guiding biopsies and monitoring treatment progress, making them vital in comprehensive cancer care.

Product development strategies and partnerships are further contributing to the growth of the X-ray market in the region. Innovations like AI-powered solutions for cancer diagnostics, combined with regulatory advancements such as approvals for compact and lower-radiation digital X-ray systems, are helping improve efficiency, accuracy, and patient outcomes. These factors, along with increasing investments in research and development, create a favorable environment for continued growth in the North American X-ray devices market during the forecast period.

X-Ray Devices Market Drivers

- Continuous improvements in digital imaging, AI integration, and portable X-ray systems are enhancing diagnostic accuracy and making X-ray devices more efficient and accessible, driving market demand.
- Rising incidences of cancer, cardiovascular conditions, and musculoskeletal disorders globally are fueling the need for diagnostic tools like X-ray devices for early detection and ongoing management.

X-Ray Devices Market Barriers

- The risk of radiation-induced side effects, such as skin burns and cancer, can limit the

widespread use of X-ray devices, particularly in sensitive populations, which may hinder market growth.

- The cost of advanced X-ray devices, including installation and maintenance, may limit their adoption, especially in low-resource settings or for smaller healthcare facilities.

To learn more about X-Ray Devices drivers and barriers, visit @ [X-Ray Devices Competitive Landscape and Market Forecast Report](#)

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Our expert healthcare consulting services offer in-depth market analysis, helping businesses accelerate growth and navigate challenges with actionable, results-driven strategies.

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