

Global Medical X-Ray Detectors Market 2023-2029

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Abstracts

Medical X-ray detectors are devices used in medical imaging to capture images of internal structures of the body. These detectors are used in X-ray machines, computed tomography (CT) scanners, and other medical imaging devices. The detectors work by converting X-ray energy into an electrical charge, which is then processed and used to create an image. Medical X-ray detectors play a critical role in medical imaging, allowing doctors and healthcare professionals to diagnose and treat a wide range of medical conditions. The global medical x-ray detectors market is likely to register a CAGR of over 4.53% with an incremental growth of USD 0.7 billion during the forecast period 2023-2029.

The report covers market size and growth, segmentation, regional breakdowns, competitive landscape, trends and strategies for global medical x-ray detectors market. It presents a quantitative analysis of the market to enable stakeholders to capitalize on the prevailing market opportunities. The report also identifies top segments for opportunities and strategies based on market trends and leading competitors' approaches.

This industry report offers market estimates and forecasts of the global market, followed by a detailed analysis of the product, modality, module type, application, end user, and region. The global market for medical x-ray detectors can be segmented by product: flat-panel detectors, computed radiography detectors, charge-coupled device detectors. According to the research, the flat-panel detectors segment had the largest share in the global medical x-ray detectors market. Medical x-ray detectors market is further segmented by modality: portable detectors, fixed detectors. In 2022, the fixed detectors segment made up the largest share of revenue generated by the medical x-ray detectors market. Based on module type, the medical x-ray detectors market is segmented into: new digital X-ray systems, retrofit X-ray systems. Among these, the new digital X-ray systems segment was accounted for the highest revenue generator in

2022. On the basis of application, the medical x-ray detectors market also can be divided into: dental, medical static imaging, medical dynamic imaging. The medical static imaging segment captured the largest share of the market in 2022. Medical x-ray detectors market by end user is categorized into: hospitals and clinics, diagnostic centers. According to the research, the hospitals and clinics segment had the largest share in the global medical x-ray detectors market. The medical x-ray detectors market by region can be segmented into: Asia-Pacific, Europe, North America, Middle East and Africa (MEA), South America. In 2022, North America made up the largest share of revenue generated by the medical x-ray detectors market.

The flat-panel detectors type market is further segmented into indirect flat-panel detectors, direct flat-panel detectors. The latest analysis indicates that the indirect flat-panel detectors segment occupied the largest share of this market in 2022 and is expected to draw the highest demand in coming years. Furthermore, the flat-panel detectors panel size market has been categorized into large-area flat-panel detectors, small-area flat-panel detectors. Globally, the large-area flat-panel detectors segment made up the largest share of the medical x-ray detectors market. The flat-panel detectors panel connection market is further divided into tethered flat-panel detectors, wireless flat-panel detectors, charge-coupled device detectors. The tethered flat-panel detectors segment was the largest contributor to the global medical x-ray detectors market in 2022.

Market Segmentation

By product: flat-panel detectors, computed radiography detectors, charge-coupled device detectors

By modality: portable detectors, fixed detectors

By module type: new digital X-ray systems, retrofit X-ray systems

By application: dental, medical static imaging, medical dynamic imaging

By end user: hospitals and clinics, diagnostic centers

By region: Asia-Pacific, Europe, North America, Middle East and Africa (MEA), South America

The report also provides analysis of the key companies of the industry and their detailed company profiles including Varex Imaging Corporation, iRay Technology Company Limited, Teledyne Technologies Incorporated, Canon Inc., Agfa-Gevaert N.V., Analogic Corporation, Carestream Health Inc., Detection Technology plc, DRTECH Corporation, FUJIFILM Holdings Corporation, Hamamatsu Photonics K.K., KA Imaging Inc., Konica Minolta, Inc., Rayence Co., Ltd., Trixell SAS, among others. In this report, key players and their strategies are thoroughly analyzed to understand the competitive outlook of

the market.

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Scope of the Report

To analyze and forecast the market size of the global medical x-ray detectors market.

To classify and forecast the global medical x-ray detectors market based on product, modality, module type, application, end user, region.

To identify drivers and challenges for the global medical x-ray detectors market.

To examine competitive developments such as mergers & acquisitions, agreements, collaborations and partnerships, etc., in the global medical x-ray detectors market.

To identify and analyze the profile of leading players operating in the global medical x-ray detectors market.

Why Choose This Report

Gain a reliable outlook of the global medical x-ray detectors market forecasts from 2023 to 2029 across scenarios.

Identify growth segments for investment.

Stay ahead of competitors through company profiles and market data.

The market estimate for ease of analysis across scenarios in Excel format.

Strategy consulting and research support for three months.

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North America
Middle East and Africa (MEA)
South America

PART 11. KEY COMPANIES

Varex Imaging Corporation
iRay Technology Company Limited
Teledyne Technologies Incorporated
Canon Inc.
Agfa-Gevaert N.V.
Analogic Corporation
Carestream Health Inc.
Detection Technology plc
DRTECH Corporation
FUJIFILM Holdings Corporation
Hamamatsu Photonics K.K.
KA Imaging Inc.
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