

Global X Ray Inspection Systems Market - Forecasts from 2018 to 2023

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Abstracts

The global X-ray inspection systems market is projected to grow at a CAGR of 6.00% over the forecast period of 2017 - 2023. An X-ray imaging system is used to detect corrosion under insulation (CUI) and is a real-time digital imaging system where the inspection is carried out to monitor the product quality and is used for the detection of defects and contaminants in the test material. The scan is capable of revealing density variations which are caused by welds, wet insulation, blockages or any other change in density. While using an X-ray inspection system there is no need for the costly removal of insulation and can be used for pipe inspection in industries at high-temperatures as there is no physical contact required. Thermo Fischer Scientific Inc. provides various food X-ray detection and inspection systems and equipment. The company's X-ray Systems offer high0tech, cost-effective and easy-to-use solutions for finding contaminants in the packaged food products. Popular products include NextGuard Conveyor X-Ray Detection System, Xpert Sideshoot X-ray Inspection System and Xpert Bulk X-Ray Inspection Systems among others. The major factors driving the growth of the global X-ray inspection systems market include stringent government regulations due to security concerns, growing consumer awareness on maintaining safety and quality standards. Geographically, North America is expected to hold the largest market share due to the presence of key market players in the manufacturing of X-ray inspection systems.

This research study examines the current market trends related to the demand, supply, and sales, in addition to the recent developments. Major drivers, restraints, and opportunities have been covered to provide an exhaustive picture of the market. The analysis presents in-depth information regarding the development, trends, and industry policies and regulations implemented in each of the geographical regions. Further, the overall regulatory framework of the market has been exhaustively covered to offer

stakeholders a better understanding of the key factors affecting the overall market environment.

Identification of key industry players in the industry and their revenue contribution to the overall business or relevant segment aligned to the study has been covered as a part of competitive intelligence done through extensive secondary research. Various studies and data published by industry associations, analyst reports, investor presentations, press releases and journals among others have been taken into consideration while conducting the secondary research. Both bottom-up and top down approaches have been utilized to determine the market size of the overall market and key segments. The values obtained are correlated with the primary inputs of the key stakeholders in the Route Optimization value chain. Last step involves complete market engineering which includes analysing the data from different sources and existing proprietary datasets while using various data triangulation methods for market breakdown and forecasting.

Major industry players profiled as part of the report are Thermo Fischer Scientific Inc., General Electric, AVONIX IMAGING, Virtual Media Integration and Vidisco Ltd. among others.

Segmentation

The global X-ray inspection systems market has been analyzed through following segments:

By Type

2D X-ray inspection system

3D X-ray inspection system

By Application

Risk management

Quality control

By Industry Vertical

Automotive

Aerospace

Defense

Medical device

Manufacturing

Food

Others

By Geography

North America

US
Canada
Mexico
Others
South America
Brazil
Argentina
Others
Europe
UK
Germany
France
Italy
Others
Middle East and Africa
Saudi Arabia
UAE
Israel
Others
Asia Pacific
China
India
Japan
South Korea
Australia
Others

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