

Global X-ray Security Screening Market Size study, by Application (People Screening, Product Screening) by End-use (Transit, Commercial, Government) and Regional Forecasts 2022-2032

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Abstracts

Global X-ray Security Screening Market is valued approximately USD 3.37 billion in 2023 and is anticipated to grow with a healthy growth rate of more than 8.90% over the forecast period 2024-2032. X-ray security screening is a critical procedure used in a variety of contexts to support security measures and identify possible dangers or forbidden objects. It entails using X-ray equipment to search people, baggage, and items for potentially hazardous or concealed materials. X-ray machines are used to examine luggage at locations such as airports, government buildings, and border crossings. These devices produce detailed pictures of the contents of the bag. After that, skilled security professionals examine these photos to find any unusual objects, such guns, explosives, or contraband. The Increased Focus on Air Cargo Security Is a key trend that is supporting to the growth of the Global X-ray Security Screening Market. Improving air cargo security procedures is becoming increasingly important as e-commerce and global trade expand. cargo X-ray screening equipment are being updated to handle higher quantities effectively and with high security to deter smuggling and guarantee regulatory compliance.

The Global X-ray Security Screening Market expansion is driven by escalating threats such as criminal activities, leading to a heightened adoption of screening methods for detecting weapons in people and products. Additionally, the surge in commercial construction projects, particularly the development of large shopping centers, contributes significantly to the demand for advanced security screening solutions. The development of smart cities and intelligent infrastructure solutions globally creates opportunities for X-ray security screening technologies. X-ray systems are integrated

into smart city initiatives for critical infrastructure protection, transportation security, and border control, supporting urban security and resilience efforts and driving market growth. Moreover, the focus on border security and customs enforcement is expanding as cross-border movements and international trade increase. X-ray screening systems are installed at border crossings, seaports, and transit points in order to check cargo, cars, and commodities, identify smuggling efforts, and improve national security. This helps to expand the market for the border security and customs industries. However, high costs associated with implementing advanced x-ray security screening systems and growing health concerns regarding hazards of using high frequency scanners are expected to stifle market growth during the forecast period 2024-2032.

The key regions considered for the global X-ray Security Screening Market study includes Asia Pacific, North America, Europe, Latin America, and Rest of the World. In 2023, North America was the largest regional market in terms of revenue. Increased public investments in enhancing existing public safety and security infrastructure to address threats such as terrorism and illegal immigration are poised to fuel market growth in the upcoming forecast period. For instance, the U.S. Customs and Border Protection department rigorously scans all incoming containers entering the U.S., regardless of their mode of transport, to detect radiation. Additionally, the agency categorizes approximately 5% of all containers as 'high risk' and subjects them to thorough scrutiny using advanced X-ray or gamma-ray imaging systems. Whereas, the market in Asia Pacific is expected to develop at the fastest rate over the forecast period.

Major market player included in this report are:

Thales Group

Smiths Detection Group Ltd.

NEC Corporation

Teledyne FLIR LLC

Burker Corporation

Analogic Corporation

OSI Systems, Inc.

Leidos Holdings, Inc

Aware, Inc.

Kromek Group plc

The detailed segments and sub-segment of the market are explained below:

By Application

People Screening
Product Screening

By End-use

Transit

Commercial

Government

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Middle East & Africa

Saudi Arabia

South Africa

RoMEA

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

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