

# **Airport Passenger Screening Systems Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Type (Metal Detectors, Full Body Scanners, and Advanced Imaging Technology), By Airport Type (International Airport and Domestic Airport), By Region & Competition, 2021-2031F**

<https://marketpublishers.com/r/A5971881914EEN.html>

Date: January 2026

Pages: 180

Price: US\$ 4,500.00 (Single User License)

ID: A5971881914EEN

## **Abstracts**

The Global Airport Passenger Screening Systems Market will grow from USD 4.28 Billion in 2025 to USD 6.73 Billion by 2031 at a 7.84% CAGR. The Global Airport Passenger Screening Systems Market encompasses technologies such as millimeter wave scanners and X-ray machines utilized to inspect travelers and carry-on baggage for potential threats.

## **Key Market Drivers**

The primary catalyst propelling the market is the relentless surge in global air passenger traffic, which places immense pressure on existing airport security checkpoints to maximize throughput without compromising safety. As traveler volumes exceed pre-pandemic levels, airports are compelled to replace legacy screening infrastructure with automated, high-speed systems capable of processing passengers and baggage more efficiently. This escalation in density creates a bottleneck effect that drives the procurement of advanced tray return systems and automated lanes to mitigate long wait times.

## **Key Market Challenges**

The substantial capital expenditure and ongoing operational costs required for

advanced screening technologies constitute a significant challenge restricting the growth of the Global Airport Passenger Screening Systems Market. While modern systems offer enhanced security, the sheer magnitude of the initial investment creates a barrier to entry, particularly for regional hubs and smaller airports operating on tight financial margins. This economic constraint forces many facility operators to extend the lifecycle of legacy equipment rather than procuring newer, more efficient solutions, effectively shrinking the immediate addressable market for manufacturers.

## **Key Market Trends**

The Emergence of Self-Service Passenger Security Screening Checkpoints is fundamentally altering the operational dynamics of airport terminals by shifting the screening process from a staff-dependent model to a passenger-centric autonomous system. Unlike traditional automated lanes that merely expedite tray return, these next-generation checkpoints integrate intuitive user interfaces and automated feedback mechanisms, allowing travelers to scan themselves and their belongings at their own pace. This decentralization addresses the critical labor shortages faced by operators while significantly enhancing the passenger experience through reduced physical interaction with security personnel.

## **Key Market Players**

OSI Systems, Inc.

Analogic Corporation

C.E.I.A. S.p.A.

Agilent Technologies Inc.

Vanderlande Industries

Nuctech Company Limited

Kromek Group plc

L3Harris Technologies, Inc.

Vanderlande Industries B.V.

Leidos Holdings Inc.

## **Report Scope:**

In this report, the Global Airport Passenger Screening Systems Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Airport Passenger Screening Systems Market, By Type:

Metal Detectors

Full Body Scanners

Advanced Imaging Technology

Airport Passenger Screening Systems Market, By Airport Type:

International Airport and Domestic Airport

Airport Passenger Screening Systems Market, By Region:

North America

United States

Canada

Mexico

Europe

France

United Kingdom

Italy

Germany

Spain

Asia Pacific

China

India

Japan

Australia

South Korea

South America

Brazil

Argentina

Colombia

Middle East & Africa

South Africa

Saudi Arabia

UAE

## **Competitive Landscape**

Company Profiles: Detailed analysis of the major companies present in the Global Airport Passenger Screening Systems Market.

**Available Customizations:**

Global Airport Passenger Screening Systems Market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

**Company Information**

Detailed analysis and profiling of additional market players (up to five).

## Contents

### 1. PRODUCT OVERVIEW

- 1.1. Market Definition
- 1.2. Scope of the Market
  - 1.2.1. Markets Covered
  - 1.2.2. Years Considered for Study
  - 1.2.3. Key Market Segmentations

### 2. RESEARCH METHODOLOGY

- 2.1. Objective of the Study
- 2.2. Baseline Methodology
- 2.3. Key Industry Partners
- 2.4. Major Association and Secondary Sources
- 2.5. Forecasting Methodology
- 2.6. Data Triangulation & Validation
- 2.7. Assumptions and Limitations

### 3. EXECUTIVE SUMMARY

- 3.1. Overview of the Market
- 3.2. Overview of Key Market Segmentations
- 3.3. Overview of Key Market Players
- 3.4. Overview of Key Regions/Countries
- 3.5. Overview of Market Drivers, Challenges, Trends

### 4. VOICE OF CUSTOMER

### 5. GLOBAL AIRPORT PASSENGER SCREENING SYSTEMS MARKET OUTLOOK

- 5.1. Market Size & Forecast
  - 5.1.1. By Value
- 5.2. Market Share & Forecast
  - 5.2.1. By Type (Metal Detectors, Full Body Scanners, Advanced Imaging Technology)
  - 5.2.2. By Airport Type (International Airport and Domestic Airport)
  - 5.2.3. By Region
  - 5.2.4. By Company (2025)

### 5.3. Market Map

## **6. NORTH AMERICA AIRPORT PASSENGER SCREENING SYSTEMS MARKET OUTLOOK**

### 6.1. Market Size & Forecast

#### 6.1.1. By Value

### 6.2. Market Share & Forecast

#### 6.2.1. By Type

#### 6.2.2. By Airport Type

#### 6.2.3. By Country

### 6.3. North America: Country Analysis

#### 6.3.1. United States Airport Passenger Screening Systems Market Outlook

##### 6.3.1.1. Market Size & Forecast

###### 6.3.1.1.1. By Value

##### 6.3.1.2. Market Share & Forecast

###### 6.3.1.2.1. By Type

###### 6.3.1.2.2. By Airport Type

#### 6.3.2. Canada Airport Passenger Screening Systems Market Outlook

##### 6.3.2.1. Market Size & Forecast

###### 6.3.2.1.1. By Value

##### 6.3.2.2. Market Share & Forecast

###### 6.3.2.2.1. By Type

###### 6.3.2.2.2. By Airport Type

#### 6.3.3. Mexico Airport Passenger Screening Systems Market Outlook

##### 6.3.3.1. Market Size & Forecast

###### 6.3.3.1.1. By Value

##### 6.3.3.2. Market Share & Forecast

###### 6.3.3.2.1. By Type

###### 6.3.3.2.2. By Airport Type

## **7. EUROPE AIRPORT PASSENGER SCREENING SYSTEMS MARKET OUTLOOK**

### 7.1. Market Size & Forecast

#### 7.1.1. By Value

### 7.2. Market Share & Forecast

#### 7.2.1. By Type

#### 7.2.2. By Airport Type

#### 7.2.3. By Country

### 7.3. Europe: Country Analysis

#### 7.3.1. Germany Airport Passenger Screening Systems Market Outlook

##### 7.3.1.1. Market Size & Forecast

###### 7.3.1.1.1. By Value

##### 7.3.1.2. Market Share & Forecast

###### 7.3.1.2.1. By Type

###### 7.3.1.2.2. By Airport Type

#### 7.3.2. France Airport Passenger Screening Systems Market Outlook

##### 7.3.2.1. Market Size & Forecast

###### 7.3.2.1.1. By Value

##### 7.3.2.2. Market Share & Forecast

###### 7.3.2.2.1. By Type

###### 7.3.2.2.2. By Airport Type

#### 7.3.3. United Kingdom Airport Passenger Screening Systems Market Outlook

##### 7.3.3.1. Market Size & Forecast

###### 7.3.3.1.1. By Value

##### 7.3.3.2. Market Share & Forecast

###### 7.3.3.2.1. By Type

###### 7.3.3.2.2. By Airport Type

#### 7.3.4. Italy Airport Passenger Screening Systems Market Outlook

##### 7.3.4.1. Market Size & Forecast

###### 7.3.4.1.1. By Value

##### 7.3.4.2. Market Share & Forecast

###### 7.3.4.2.1. By Type

###### 7.3.4.2.2. By Airport Type

#### 7.3.5. Spain Airport Passenger Screening Systems Market Outlook

##### 7.3.5.1. Market Size & Forecast

###### 7.3.5.1.1. By Value

##### 7.3.5.2. Market Share & Forecast

###### 7.3.5.2.1. By Type

###### 7.3.5.2.2. By Airport Type

## **8. ASIA PACIFIC AIRPORT PASSENGER SCREENING SYSTEMS MARKET OUTLOOK**

### 8.1. Market Size & Forecast

#### 8.1.1. By Value

### 8.2. Market Share & Forecast

#### 8.2.1. By Type

8.2.2. By Airport Type

8.2.3. By Country

8.3. Asia Pacific: Country Analysis

8.3.1. China Airport Passenger Screening Systems Market Outlook

8.3.1.1. Market Size & Forecast

8.3.1.1.1. By Value

8.3.1.2. Market Share & Forecast

8.3.1.2.1. By Type

8.3.1.2.2. By Airport Type

8.3.2. India Airport Passenger Screening Systems Market Outlook

8.3.2.1. Market Size & Forecast

8.3.2.1.1. By Value

8.3.2.2. Market Share & Forecast

8.3.2.2.1. By Type

8.3.2.2.2. By Airport Type

8.3.3. Japan Airport Passenger Screening Systems Market Outlook

8.3.3.1. Market Size & Forecast

8.3.3.1.1. By Value

8.3.3.2. Market Share & Forecast

8.3.3.2.1. By Type

8.3.3.2.2. By Airport Type

8.3.4. South Korea Airport Passenger Screening Systems Market Outlook

8.3.4.1. Market Size & Forecast

8.3.4.1.1. By Value

8.3.4.2. Market Share & Forecast

8.3.4.2.1. By Type

8.3.4.2.2. By Airport Type

8.3.5. Australia Airport Passenger Screening Systems Market Outlook

8.3.5.1. Market Size & Forecast

8.3.5.1.1. By Value

8.3.5.2. Market Share & Forecast

8.3.5.2.1. By Type

8.3.5.2.2. By Airport Type

## **9. MIDDLE EAST & AFRICA AIRPORT PASSENGER SCREENING SYSTEMS MARKET OUTLOOK**

9.1. Market Size & Forecast

9.1.1. By Value

## 9.2. Market Share & Forecast

### 9.2.1. By Type

### 9.2.2. By Airport Type

### 9.2.3. By Country

## 9.3. Middle East & Africa: Country Analysis

### 9.3.1. Saudi Arabia Airport Passenger Screening Systems Market Outlook

#### 9.3.1.1. Market Size & Forecast

##### 9.3.1.1.1. By Value

#### 9.3.1.2. Market Share & Forecast

##### 9.3.1.2.1. By Type

##### 9.3.1.2.2. By Airport Type

### 9.3.2. UAE Airport Passenger Screening Systems Market Outlook

#### 9.3.2.1. Market Size & Forecast

##### 9.3.2.1.1. By Value

#### 9.3.2.2. Market Share & Forecast

##### 9.3.2.2.1. By Type

##### 9.3.2.2.2. By Airport Type

### 9.3.3. South Africa Airport Passenger Screening Systems Market Outlook

#### 9.3.3.1. Market Size & Forecast

##### 9.3.3.1.1. By Value

#### 9.3.3.2. Market Share & Forecast

##### 9.3.3.2.1. By Type

##### 9.3.3.2.2. By Airport Type

## **10. SOUTH AMERICA AIRPORT PASSENGER SCREENING SYSTEMS MARKET OUTLOOK**

### 10.1. Market Size & Forecast

#### 10.1.1. By Value

### 10.2. Market Share & Forecast

#### 10.2.1. By Type

#### 10.2.2. By Airport Type

#### 10.2.3. By Country

### 10.3. South America: Country Analysis

#### 10.3.1. Brazil Airport Passenger Screening Systems Market Outlook

##### 10.3.1.1. Market Size & Forecast

##### 10.3.1.1.1. By Value

##### 10.3.1.2. Market Share & Forecast

##### 10.3.1.2.1. By Type

- 10.3.1.2.2. By Airport Type
- 10.3.2. Colombia Airport Passenger Screening Systems Market Outlook
  - 10.3.2.1. Market Size & Forecast
    - 10.3.2.1.1. By Value
  - 10.3.2.2. Market Share & Forecast
    - 10.3.2.2.1. By Type
    - 10.3.2.2.2. By Airport Type
- 10.3.3. Argentina Airport Passenger Screening Systems Market Outlook
  - 10.3.3.1. Market Size & Forecast
    - 10.3.3.1.1. By Value
  - 10.3.3.2. Market Share & Forecast
    - 10.3.3.2.1. By Type
    - 10.3.3.2.2. By Airport Type

## **11. MARKET DYNAMICS**

- 11.1. Drivers
- 11.2. Challenges

## **12. MARKET TRENDS & DEVELOPMENTS**

- 12.1. Merger & Acquisition (If Any)
- 12.2. Product Launches (If Any)
- 12.3. Recent Developments

## **13. GLOBAL AIRPORT PASSENGER SCREENING SYSTEMS MARKET: SWOT ANALYSIS**

## **14. PORTER'S FIVE FORCES ANALYSIS**

- 14.1. Competition in the Industry
- 14.2. Potential of New Entrants
- 14.3. Power of Suppliers
- 14.4. Power of Customers
- 14.5. Threat of Substitute Products

## **15. COMPETITIVE LANDSCAPE**

- 15.1. OSI Systems, Inc.

- 15.1.1. Business Overview
- 15.1.2. Products & Services
- 15.1.3. Recent Developments
- 15.1.4. Key Personnel
- 15.1.5. SWOT Analysis
- 15.2. Analogic Corporation
- 15.3. C.E.I.A. S.p.A.
- 15.4. Agilent Technologies Inc.
- 15.5. Vanderlande Industries
- 15.6. Nuctech Company Limited
- 15.7. Kromek Group plc
- 15.8. L3Harris Technologies, Inc.
- 15.9. Vanderlande Industries B.V.
- 15.10. Leidos Holdings Inc.

## **16. STRATEGIC RECOMMENDATIONS**

## **17. ABOUT US & DISCLAIMER**

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