

America Airport Passenger Screening Systems - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts 2019 - 2029

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Report description:

The America Airport Passenger Screening Systems Market size is estimated at USD 1.26 billion in 2024, and is expected to reach USD 1.95 billion by 2029, growing at a CAGR of 9.20% during the forecast period (2024-2029).

The aviation industry in America is witnessing a significant growth rate. The increase in the air passenger traffic in the region has led to considerable development of airport infrastructure, such as new terminals and terminal expansion, to accommodate more passengers. Such factors will bolster the growth of the market in the region shortly.

Furthermore, the rise in terrorism and illegal trading of illicit goods in America leads to growing demand for advanced airport passenger screening systems in the US, Canada, Mexico, Brazil, and other Latin American countries. Moreover, the rise in terrorism and the trading of illicit goods in America is causing the customs department and airports in the region to deploy advanced passenger screening systems for threat identification.

Furthermore, adopting technology, such as augmented reality, machine learning, artificial intelligence, and biometric solutions at airports will also drive the market growth for airport passenger screening systems in the American region during the forecast period. However, the high cost of installation and operational failures hinder the market growth.

America Airport Passenger Screening Systems Market Trends

Full Body Scanners Segment Will Showcase Remarkable Growth During the Forecast Period

The full-body scanners segment is anticipated to show significant growth in the American airport passenger screening systems

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market during the forecast period. The increase is attributed to the increasing air passenger traffic in the American region in recent years and the growing need for advanced security systems for passenger screening in various airports. The growth in air traffic passengers has led to multiple American airports implementing advanced passenger screening systems. In recent years, different regional aviation security manufacturers have increased their investments in research and development to manufacture advanced full-body scanner systems to be used at airports.

A full-body scanner is a device that detects objects on or inside a person's body for security screening purposes without physically removing clothes or making physical contact. In contrast to metal detectors used extensively at passenger airports, these devices also respond to non-metallic objects such as explosives. Furthermore, to protect the privacy of screened individuals, the latest generation full-body scanners do not show the operator images of the screened person but highlight suspicious body areas on a generic body image.

For instance, in April 2023, three orders for the acquisition of CT scanners for a total of USD 1.3 billion were announced by the United States Transportation Security Administration (TSA). Moreover, the base-sized CT scanner will be provided by Analogic Corporation, while IDSS Holdings will provide mid-size units. Furthermore, Smiths Detection Incorporated announced they will give full-size CT X-ray systems.

Thus, the increase in air passenger traffic within the American region coupled with the growth in the usage of advanced passenger screening systems will lead to a positive outlook and market growth during the forecast period.

The United States Dominates the Market During the Forecast Period

The United States held the highest shares in the market and is expected to continue its domination during the forecast period. The growth can be attributed to the increase in the number of air traffic passengers within the country, leading to the development of new airports and expansion of the existing terminals. Moreover, growth in the trading of illicit goods within the country has also led to various airport authorities stepping up and implementing advanced passenger screening systems. Such factors are expected to propel the market's growth in the coming years.

The increasing number of air traffic passengers has also led to various airports in the United States undertaking construction projects to modernize or expand the airport to cater to the growing demand. For instance, in May 2023, Dallas Fort Worth International Airport and American Airlines announced that they had signed a ten-year use and lease agreement, which will lead to a significant expansion project. Furthermore, the airport expansion project, which will cost USD 4.8 billion, will lead to the construction of a new terminal F and the renovation of Terminal C. Thus, terminal F will be considered to be the sixth terminal at Dallas Fort Worth International Airport with a total of 24 additional gates being installed in the airport under the construction project.

The growth in air traffic passengers within the United States has also led to a change in illegal smuggling at the airport, which will increase demand for new passenger screening systems such as next-generation security X-ray screening to be installed at various airports in the United States shortly.

Thus, the growth in air passenger traffic coupled with the construction/expansion of airports as well as growth in illegal goods trade will lead to the United States implementing advanced airport passenger security screening systems to ensure smoother aviation operations, which will lead to a positive outlook and also lead to significant market growth during the forecast period.

America Airport Passenger Screening Systems Industry Overview

The America airport passenger screening systems market is fragmented, with various players engaged in product differentiation

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to gain significant market share. The most prominent players within the market are OSI Systems, Inc., Garrett Electronics, Inc., Leidos, Inc., Vanderlande Industries B.V., and Smiths Detection Group Limited.

The market is witnessing growth in orders related to airport passenger screening systems, owing to the rise in passenger traffic and aviation infrastructure development. Collaborations between aviation regulation authorities, airport authorities, and market players can be seen in the development of screening technology and common information-sharing platforms. Many startups provide the technology to market players for integration with current systems. The main revenue-generating strategy of market players is to win contracts from airport authorities and governments to develop passenger screening infrastructure.

Additional Benefits:

- The market estimate (ME) sheet in Excel format
- 3 months of analyst support

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