

Security Screening - Company Evaluation Report, 2025

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Abstracts

The Security Screening Companies Quadrant is a comprehensive industry analysis that provides valuable insights into the global market for Security Screening. This quadrant offers a detailed evaluation of key market players, technological advancements, product innovations, and emerging trends shaping the industry. MarketsandMarkets 360 Quadrants evaluated over 120 companies, of which the Top 11 Security Screening Companies were categorized and recognized as the quadrant leaders.

Security screening refers to the process of inspecting individuals and their belongings to ensure safety and prevent unlawful activities in high-risk areas such as airports, border checkpoints, and other public venues. The rising threat of terrorism has become a primary driver for the global demand for advanced security screening technologies. Security screening systems are designed to detect and intercept threats such as weapons, explosives, narcotics, and other prohibited items, playing a crucial role in maintaining public safety and protecting critical infrastructure. These systems are widely deployed across transportation hubs, government facilities, and strategic installations, helping to prevent potential threats before they materialize.

The 360 Quadrant maps the Security Screening companies based on criteria such as revenue, geographic presence, growth strategies, investments, and sales strategies for the market presence of the Security Screening quadrant. The top criteria for product footprint evaluation included System Type (X-ray screening Systems, Electromagnetic Metal Detector, Biometric Systems, Spectrometry & Spectroscopy Systems, Other System Types), Application (People Screening, Baggage & Cargo Screening, Vehicle Inspection), Verticals (Transportation, Government, Retail, Hospitality, Commercial, Industrial, Education, Other Verticals).

Key Players:

Some of the prominent players are Analogic Corporation (US) and NUCTECH COMPANY LIMITED (China), OSI Systems, Inc. (US), Smiths Detection Group Ltd. (UK), Leidos (US), Thales (France), Teledyne Technologies Incorporated. (US), Bruker (US), Analogic, and NEC Corporation (Japan), and others. These players are increasingly focusing on product launches and enhancements, investments, partnerships, collaborations, joint ventures, funding, acquisitions, expansions, agreements, sales contracts, and alliances to strengthen their presence in the global market.

Top 3 Companies

Smiths Detection Group Ltd.

Smiths Detection Group Ltd. is a global technology leader specializing in detection, screening, and inspection solutions. It is one of the four core divisions of Smiths Group, employing approximately 15,000 people across 21 global offices. The company is renowned for the practical application of advanced technologies that enhance safety, health, and productivity worldwide. Smiths Detection develops, manufactures, and manages state-of-the-art technologies designed for high-security environments, serving critical sectors such as aviation, ports and borders, urban security, and defense. The company operates eight dedicated R&D centers and five manufacturing facilities located in France, Germany, Malaysia, the UK, and the US. Several of these sites also function as Centers of Excellence for research and innovation. To ensure comprehensive customer support, Smiths Detection maintains sales and service operations across 17 countries, offering global reach and responsiveness.

Astrophysics Inc.

Astrophysics Inc. is a leading global provider of advanced X-ray scanning technologies, committed to enhancing global security. With over 45,000 scanners deployed in more than 180 countries, the company plays a critical role in protecting people, property, and infrastructure worldwide. Astrophysics Inc. is at the forefront of innovation, offering next-generation solutions such as 6-color imaging, real-time diagnostics, multi-view computed tomography (CT), and 3D CT cargo scanners. Its wide-ranging product portfolio supports key applications in aviation security, ports and borders, and critical infrastructure. The company provides a diverse selection of scanners designed for mail and small parcels, checkpoint screening, hold baggage, cargo, mobile scanning units,

and vehicle and freight inspection, meeting the evolving demands of global security environments.

Analogic Corporation

Analogic Corporation operates across two main business segments: Imaging and Detection, and Power and Motion Control. Within the Imaging and Detection segment, the company designs and manufactures high-performance CT-based baggage screening systems for airport security. Analogic sells its security systems through OEM partners such as L-3 Communications and Smiths Detection, with installations in U.S. airports via the Transportation Security Administration (TSA) and at international airports through global airport authorities. Its technology plays a vital role in both medical diagnostics and aviation safety. The company's reach spans various sectors, including medical imaging, aviation security, and industrial automation, contributing to enhanced safety, disease detection, and operational efficiency. Analogic's imaging solutions are widely used in healthcare facilities and airports around the world, supporting its mission to deliver advanced safety and security technologies across critical global markets.

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