X-ray Security Screening Market Analysis By End-Use (Transit, Commercial, Government), By Application (People Screening, Product Screening) And Segment Forecasts To 2020

Description: The global x-ray security screening market is expected to reach USD 2.89 billion by 2020. Threats pertaining to piracy, drug trade, cross-border terrorism, human trafficking, etc., are anticipated to fuel global x-ray security screening market demand over the forecast period. The risk of terrorist attack has driven investment in the aviation security. Further, illegal arms, drug trafficking and immigration have heightened border security, which is expected to favorably impact the demand for body & baggage screening systems and explosive detection systems.

The sales of x-ray security and inspection systems significantly rely on the decision of governmental agencies to upgrade or expand existing border crossing inspection sites, airports, seaport inspection sites, military facilities, and other security installations. The decision of governmental agencies to incorporate new systems or to upgrade existing infrastructure plays an important role in driving market demand. Further, the aviation sector has to keep pace with evolving travel environment by adopting several security measures, which is expected to drive the x-ray security screening market over the next few years. Development of flexible security screening systems in order to address terror threats is also anticipated to fuel market demand. In addition, upgrades for existing installations provide opportunities for market growth. However, ionizing radiations generated by x-ray security scanners are known to be carcinogenic, and may hinder market growth over the forecast period.

Further key findings from the study suggest:

- The transit sector is poised for high growth over the forecast period. X-ray security screening systems are primarily used for baggage screening, and account for substantial usage across the civil aviation sector. X-ray security screening exhibits high penetration in the government sector, and accounted for substantial market share in 2013. Upgrades for existing installations are expected to drive the regional market demand, particularly across the border security application. The decision of governmental agencies to incorporate new systems or to upgrade existing infrastructure plays an important role in driving market demand.
- Product screening accounted for considerable market share in 2013, with significant demand originating from the cargo and baggage screening applications.
- North America accounted for a sizable share of the global x-ray security screening market in 2013. The Homeland Security Department has invested heavily in U.S. customs and border security, which is expected to catapult the segment demand over the forecast period.
- A few key industry participants, including OSI Systems (Rapiscan), Smiths Detection, American Science and Engineering, Morpho Detection and Analogic Corporation are constantly innovating with considerable R&D investments to gain competitive advantage, and maintain strong market position.

For the purpose of this study, the report has segmented the global x-ray security screening market on the basis of end-use, application and region:

X-Ray Security Screening End-Use Outlook (Revenue, USD Million, 2012 – 2020)
- Transit
- Commercial
- Government

X-Ray Security Screening Application Outlook (Revenue, USD Million, 2012 – 2020)
- People Screening
- Product Screening

X-Ray Security Screening Regional Outlook (USD Million, 2012 – 2020)
- North America
- Europe
- Asia Pacific
- RoW
Contents:

Chapter 1. Methodology and Scope
  1.1. Research Methodology
  1.2. Research Scope & Assumption
  1.3. List of Data Sources

Chapter 2. Executive Summary
  2.1. X-Ray Security Screening - Industry Summary and Critical Success Factors (CSFs)

Chapter 3. X-Ray Security Screening Industry Outlook
  3.1. Market Segmentation
  3.2. Market Size and Growth Prospects
  3.3. X-Ray Security Screening Value Chain Analysis
  3.4. X-Ray Security Screening Market Dynamics
    3.4.1. Market Driver Analysis
    3.4.2. Market Restraint Analysis
    3.5. Key Opportunities Prioritized
    3.6. Industry Analysis - Porter’s
    3.7. X-Ray Security Screening – Company market share analysis, 2013
    3.8. X-Ray Security Screening PESTEL Analysis, 2013

Chapter 4. X-Rays Security Screening End-Use Outlook
  4.1. Transit
    4.1.1. Global market estimates and forecasts, 2012 – 2020
  4.2. Commercial
    4.2.1. Global market estimates and forecasts, 2012 – 2020
  4.3. Government
    4.3.1. Global market estimates and forecasts, 2012 – 2020

Chapter 5. X-Rays Security Screening Application Outlook
  5.1. Product Screening
    5.1.1. Global market estimates and forecasts, 2012 – 2020
  5.2. People Screening
    5.2.1. Global market estimates and forecasts, 2012 – 2020

Chapter 6. X-Ray Security Screening Regional Outlook
  6.1. North America
    6.1.1. X-Ray security screening market by end-use, 2012 – 2020
    6.1.2. X-Ray security screening market by application, 2012 – 2020
    6.1.3. U.S.
      6.1.3.1. X-Ray security screening market by end-use, 2012 – 2020
      6.1.3.2. X-Ray security screening market by application, 2012 – 2020
    6.1.4. Canada
      6.1.4.1. X-Ray security screening market by end-use, 2012 – 2020
      6.1.4.2. X-Ray security screening market by application, 2012 – 2020
    6.1.5. Mexico
      6.1.5.1. X-Ray security screening market by end-use, 2012 – 2020
      6.1.5.2. X-Ray security screening market by application, 2012 – 2020
  6.2. Europe
    6.2.1. X-Ray security screening market by end-use, 2012 – 2020
    6.2.2. X-Ray security screening market by application, 2012 – 2020
    6.2.3. Germany
      6.2.3.1. X-Ray security screening market by end-use, 2012 – 2020
      6.2.3.2. X-Ray security screening market by application, 2012 – 2020
    6.2.4. UK
      6.2.4.1. X-Ray security screening market by end-use, 2012 – 2020
      6.2.4.2. X-Ray security screening market by application, 2012 – 2020
    6.2.5. France
      6.2.5.1. X-Ray security screening market by end-use, 2012 – 2020
      6.2.5.2. X-Ray security screening market by application, 2012 – 2020
  6.3. Asia Pacific
    6.3.1. X-Ray security screening market by end-use, 2012 – 2020
    6.3.2. X-Ray security screening market by application, 2012 – 2020
    6.3.3. China
      6.3.3.1. X-Ray security screening market by end-use, 2012 – 2020
      6.3.3.2. X-Ray security screening market by application, 2012 – 2020
    6.3.4. India
      6.3.4.1. X-Ray security screening market by end-use, 2012 – 2020
      6.3.4.2. X-Ray security screening market by application, 2012 – 2020
6.3.5. Japan
6.3.5.1. X-Ray security screening market by end-use, 2012 – 2020
6.3.5.2. X-Ray security screening market by application, 2012 – 2020

6.4. RoW
6.4.1. X-Ray security screening market by end-use, 2012 – 2020
6.4.2. X-Ray security screening market by application, 2012 – 2020
6.4.3. Brazil
6.4.3.1. X-Ray security screening market by end-use, 2012 – 2020
6.4.3.2. X-Ray security screening market by application, 2012 – 2020

Chapter 7. Competitive Landscape
7.1. 3DX-Ray
7.1.1. Company Overview
7.1.2. Financial Performance
7.1.3. Product Benchmarking
7.1.4. Strategic Initiatives

7.2. Adani
7.2.1. Company Overview
7.2.2. Financial Performance
7.2.3. Product Benchmarking
7.2.4. Strategic Initiatives

7.3. American Science and Engineering
7.3.1. Company Overview
7.3.2. Financial Performance
7.3.3. Product Benchmarking
7.3.4. Strategic Initiatives

7.4. Analogic Corporation
7.4.1. Company Overview
7.4.2. Financial Performance
7.4.3. Product Benchmarking
7.4.4. Strategic Initiatives

7.5. Astrophysics
7.5.1. Company Overview
7.5.2. Financial Performance
7.5.3. Product Benchmarking
7.5.4. Strategic Initiatives

7.6. Auto Clear US
7.6.1. Company Overview
7.6.2. Financial Performance
7.6.3. Product Benchmarking
7.6.4. Strategic Initiatives

7.7. Eurologix Security
7.7.1. Company Overview
7.7.2. Financial Performance
7.7.3. Product Benchmarking
7.7.4. Strategic Initiatives

7.8. Gilardoni
7.8.1. Company Overview
7.8.2. Financial Performance
7.8.3. Product Benchmarking
7.8.4. Strategic Initiatives

7.9. Kapri
7.9.1. Company Overview
7.9.2. Financial Performance
7.9.3. Product Benchmarking
7.9.4. Strategic Initiatives

7.10. L-3 Communications
7.10.1. Company Overview
7.10.2. Financial Performance
7.10.3. Product Benchmarking
7.10.4. Strategic Initiatives

7.11. Leidos (SAIC)
7.11.1. Company Overview
7.11.2. Financial Performance
7.11.3. Product Benchmarking
7.11.4. Strategic Initiatives
7.12. MinXray Inc.
7.12.1. Company Overview
7.12.2. Financial Performance
7.12.3. Product Benchmarking
7.12.4. Strategic Initiatives
7.13. Morpho
7.13.1. Company Overview
7.13.2. Financial Performance
7.13.3. Product Benchmarking
7.13.4. Strategic Initiatives
7.14. Nuctech
7.14.1. Company Overview
7.14.2. Financial Performance
7.14.3. Product Benchmarking
7.14.4. Strategic Initiatives
7.15. Optosecurity
7.15.1. Company Overview
7.15.2. Financial Performance
7.15.3. Product Benchmarking
7.15.4. Strategic Initiatives
7.16. Rapiscan Systems
7.16.1. Company Overview
7.16.2. Financial Performance
7.16.3. Product Benchmarking
7.16.4. Strategic Initiatives
7.17. Scanna MSC
7.17.1. Company Overview
7.17.2. Financial Performance
7.17.3. Product Benchmarking
7.17.4. Strategic Initiatives
7.18. Smiths Detection
7.18.1. Company Overview
7.18.2. Financial Performance
7.18.3. Product Benchmarking
7.18.4. Strategic Initiatives
7.19. Todd Research
7.19.1. Company Overview
7.19.2. Financial Performance
7.19.3. Product Benchmarking
7.19.4. Strategic Initiatives
7.20. Totalpost
7.20.1. Company Overview
7.20.2. Financial Performance
7.20.3. Product Benchmarking
7.20.4. Strategic Initiatives
7.21. Vidisco
7.21.1. Company Overview
7.21.2. Financial Performance
7.21.3. Product Benchmarking
7.21.4. Strategic Initiatives
7.22. VJ Technologies Inc
7.22.1. Company Overview
7.22.2. Financial Performance
7.22.3. Product Benchmarking
7.22.4. Strategic Initiatives
7.23. Westminster International
7.23.1. Company Overview
7.23.2. Financial Performance
7.23.3. Product Benchmarking
7.23.4. Strategic Initiatives
List of Tables
TABLE 1 X-ray Security Screening - Industry Summary & Critical Success Factors (CSFs)
TABLE 2 Global x-ray security screening market (USD Million), 2012 - 2020
TABLE 3 Global x-ray security screening market by region (USD Million), 2012 - 2020
TABLE 4 Global x-ray security screening market by end-use, (USD Million), 2012 - 2020
TABLE 5 Global x-ray security screening market by application, (USD Million), 2012 – 2020
TABLE 6 X-ray security screening – Key market driver impact
TABLE 7 X-ray security screening – Key market restraint impact
TABLE 8 Global market demand in transit industry (USD Million), 2012 - 2020
TABLE 9 Global market demand in transit industry by region (USD Million), 2012 - 2020
TABLE 10 Global market demand in commercial applications (USD Million), 2012 - 2020
TABLE 11 Global market demand in commercial applications by region (USD Million), 2012 - 2020
TABLE 12 Global market demand in government (USD Million), 2012 - 2020
TABLE 13 Global market demand in government by region (USD Million), 2012 - 2020
TABLE 14 Global market demand in people screening (USD Million), 2012 - 2020
TABLE 15 Global market demand in people screening by region (USD Million), 2012 - 2020
TABLE 16 Global market demand in product screening (USD Million), 2012 - 2020
TABLE 17 Global market demand in products screening by region (USD Million), 2012 - 2020
TABLE 18 North America market by end-use (USD Million), 2012 – 2020
TABLE 19 North America market by application (USD Million), 2012 – 2020
TABLE 20 U.S. market by end-use (USD Million), 2012 – 2020
TABLE 21 U.S. market by application (USD Million), 2012 – 2020
TABLE 22 Canada market by end-use (USD Million), 2012 – 2020
TABLE 23 Canada market by application (USD Million), 2012 – 2020
TABLE 24 Mexico market by end-use (USD Million), 2012 – 2020
TABLE 25 Mexico market by application (USD Million), 2012 – 2020
TABLE 26 Europe market by end-use (USD Million), 2012 – 2020
TABLE 27 Europe market by application (USD Million), 2012 – 2020
TABLE 28 Germany market by end-use (USD Million), 2012 – 2020
TABLE 29 Germany market by application (USD Million), 2012 – 2020
TABLE 30 UK market by end-use (USD Million), 2012 – 2020
TABLE 31 UK market by application (USD Million), 2012 – 2020
TABLE 32 France market by end-use (USD Million), 2012 – 2020
TABLE 33 France market by application (USD Million), 2012 – 2020
TABLE 34 Asia Pacific market by end-use (USD Million), 2012 – 2020
TABLE 35 Asia Pacific market by application (USD Million), 2012 – 2020
TABLE 36 China market by end-use (USD Million), 2012 – 2020
TABLE 37 China market by application (USD Million), 2012 – 2020
TABLE 38 India market by end-use (USD Million), 2012 – 2020
TABLE 39 India market by application (USD Million), 2012 – 2020
TABLE 40 Japan market by end-use (USD Million), 2012 – 2020
TABLE 41 Japan market by application (USD Million), 2012 – 2020
TABLE 42 RoW market by end-use (USD Million), 2012 – 2020
TABLE 43 RoW market by application (USD Million), 2012 – 2020
TABLE 44 Brazil market by end-use (USD Million), 2012 – 2020
TABLE 45 Brazil market by application (USD Million), 2012 – 2020

List of Figures
FIG. 1 X-ray security screening market segmentation
FIG. 2 Global X-ray security screening market, (USD Million), 2012 - 2020
FIG. 3 X-ray security screening - Value chain analysis
FIG. 4 X-ray security screening market dynamics
FIG. 5 X-ray security screening company market share analysis, 2013
FIG. 6 Key Opportunities Prioritized
FIG. 7 X-ray security screening - Porter's Analysis
FIG. 8 X-ray security screening - PESTEL Analysis
FIG. 9 X-ray security screening market share by end-use, 2013 & 2020
FIG. 10 Global market demand in transit industry (USD Million), 2012 - 2020
FIG. 11 Global market demand in commercial applications (USD Million), 2012 - 2020
FIG. 12 Global market demand in government (USD Million), 2012 - 2020
FIG. 13 X-ray security screening market share by application, 2013 & 2020
FIG. 14 Global market demand in people screening (USD Million), 2012 - 2020
FIG. 15 Global market demand in product screening (USD Million), 2012 - 2020
FIG. 16 Global x-ray security screening market share by region, 2013 & 2020
FIG. 17 North America market by end-use (USD Million), 2012 – 2020
FIG. 18 North America market by application (USD Million), 2012 – 2020
FIG. 19 Europe market by end-use (USD Million), 2012 – 2020
FIG. 20 Europe market by application (USD Million), 2012 – 2020
FIG. 21 Asia Pacific market by end-use (USD Million), 2012 – 2020
FIG. 22 Asia Pacific market by application (USD Million), 2012 – 2020
FIG. 23 RoW market by end-use (USD Million), 2012 – 2020
FIG. 24 RoW market by application (USD Million), 2012 – 2020

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