

Explosive Trace Detection (ETD) Market Size, Share & Trends Analysis Report By Product Type (Handheld, Vehicle-Mounted), By Application (Military & Defense, Public Safety, Transportation), And Segment Forecasts, 2018 - 2025

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Abstracts

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The global explosive trace detection market size is expected to reach USD 2.36 billion by 2025, according to a study conducted by Grand View Research, Inc., registering a 10.5% CAGR during the forecast period. Rise in terrorist activities across the globe and increasing adoption of explosive trace detectors in public safety and law enforcement sectors have bolstered market growth. These devices enable users to experience enhanced security and detection capabilities.

Growing interest of explosive trace detector companies such as Chemring Group PLC in capturing a larger market share in regions such as Middle East is expected to drive adoption of explosive trace detectors. Additionally, increasing commercial activities are bolstering market growth in the region.

The Asia Pacific regional market is expected to witness considerable growth, owing to increasing need for public safety. Stringent government regulations pertaining to security screening is also bolstering market growth. Additionally, increased defense budgets in developing countries in the region is boosting the market.

However, high costs pertaining to development and maintenance of explosive trace detectors are expected to hinder market growth. Therefore, device providers are focusing on developing affordable solutions that can be used in other application

sectors, such as utilities and transportation.

Further key findings from the study suggest:

Handheld explosive trace detectors offer visual and audio alerts. Therefore, the segment is expected to exhibit the highest CAGR over the forecast period

Demand for explosive trace detectors is expected to increase in the public safety and law enforcement segment owing to benefits such as real-time 3D color images offered by these detectors

Asia Pacific is expected to emerge as the fastest-growing region over the forecast period due to increased adoption of explosive trace detectors by the transportation and logistics sector in the region

Prominent industry participants include Chemring Group; FLIR Systems, Inc.; L3 Technologies, Inc.; OSI Systems, Inc.; and Smiths Detection Inc.

Contents

CHAPTER 1 METHODOLOGY AND SCOPE

- 1.1 Research Methodology
- 1.2 Research Scope & Assumptions
- 1.3 List of Data Sources

CHAPTER 2 EXECUTIVE SUMMARY

- 2.1 Explosive Trace Detection-Industry Snapshot & Key Buying Criteria, 2014 - 2025
- 2.2 Explosive trace detection Market, 2014 - 2025

CHAPTER 3 EXPLOSIVE TRACE DETECTION INDUSTRY OUTLOOK

- 3.1 Market Segmentation
- 3.2 Market Size & Growth Prospects
- 3.3 Explosive Trace Detection Market - Value Chain Analysis
- 3.4 Explosive Trace Detection-Market Dynamics
 - 3.4.1 Market driver analysis
 - 3.4.1.1 Increasing government regulations for enhanced security screening
 - 3.4.1.2 Rise in terrorist activities across the globe
 - 3.4.2 Market challenge analysis
 - 3.4.2.1 Decreased defense expenditure in developed countries
 - 3.4.2.2 High cost of development and maintenance
- 3.5 Explosive Trace Detection Market Ranking Analysis
- 3.6 Penetration & Growth Prospect Mapping
- 3.7 Explosive Trace Detection - Porter's Five Forces Analysis
- 3.8 Explosive Trace Detection - PEST Analysis

CHAPTER 4 EXPLOSIVE TRACE DETECTION PRODUCT TYPE OUTLOOK

- 4.1. Explosive Trace Detection Market Share By Product Type, 2016 & 2025
 - 4.1.1 Handheld
 - 4.1.2 Vehicle-mounted
 - 4.1.3 Other detectors

CHAPTER 5 EXPLOSIVE TRACE DETECTION APPLICATION OUTLOOK

5.1. Explosive Trace Detection Market Share By Application, 2016 & 2025

- 5.1.1 Military & defense
- 5.1.2 Transportation & logistics
- 5.1.3 Public safety & law enforcement
- 5.1.4 Commercial
- 5.1.5 Others

CHAPTER 6 EXPLOSIVE TRACE DETECTION REGIONAL OUTLOOK

6.1. Explosive Trace Detection Market Share By Region, 2016 & 2025

6.2. North America

6.2.1 U.S.

6.2.1.1 U.S. explosive trace detection market, by product type, 2014 - 2025

6.2.1.2 U.S. explosive trace detection market, by application, 2014 - 2025

6.2.2 Canada

6.2.2.1 Canada explosive trace detection market, by product type, 2014 - 2025

6.2.2.2 Canada explosive trace detection market, by application, 2014 - 2025

6.3. Europe

6.3.1 U.K.

6.3.1.1 U.K. explosive trace detection market, by product type, 2014 - 2025

6.3.1.2 U.K. explosive trace detection market, by application, 2014 - 2025

6.3.2 Germany

6.3.2.1 Germany explosive trace detection market, by product type, 2014 - 2025

6.3.2.2 Germany explosive trace detection market, by application, 2014 - 2025

6.4 Asia Pacific

6.4.1 China

6.4.1.1 China explosive trace detection market, by product type, 2014 - 2025

6.4.1.2 China explosive trace detection market, by application, 2014 - 2025

6.4.2 Japan

6.4.2.1 Japan explosive trace detection market, by product type, 2014 - 2025

6.4.2.2 Japan explosive trace detection market, by application, 2014 - 2025

6.4.3 India

6.4.3.1 India explosive trace detection market, by product type, 2014 - 2025

6.4.3.2 India explosive trace detection market, by application, 2014 - 2025

6.5 South America

6.6 MEA

CHAPTER 7 COMPETITIVE LANDSCAPE

- 7.1 Autoclear, LLC.
 - 7.1.1 Company overview
 - 7.1.2 Product benchmarking
- 7.2 Smiths Detection Inc.
 - 7.2.1 Company overview
 - 7.2.2 Financial performance
 - 7.2.3 Product benchmarking
 - 7.2.4 Strategic initiatives
- 7.3 NUCTECH COMPANY LIMITED
 - 7.3.1 Company overview
 - 7.3.2 Product benchmarking
 - 7.3.3 Strategic initiatives
- 7.4 Chemring Group PLC
 - 7.4.1 Company overview
 - 7.4.2 Financial performance
 - 7.4.3 Product benchmarking
 - 7.4.4 Strategic initiatives
- 7.5 L3 Technologies, Inc.
 - 7.5.1 Company overview
 - 7.5.2 Financial performance
 - 7.5.3 Product benchmarking
 - 7.5.4 Strategic initiatives
- 7.6 American Science and Engineering, Inc.
 - 7.6.1 Company overview
 - 7.6.2 Product benchmarking
 - 7.6.3 Strategic initiatives
- 7.7 FLIR Systems, Inc.
 - 7.7.1 Company overview
 - 7.7.2 Financial performance
 - 7.7.3 Product benchmarking
 - 7.7.4 Strategic initiatives
- 7.8 OSI Systems, Inc.
 - 7.8.1 Company overview
 - 7.8.2 Financial performance
 - 7.8.3 Product benchmarking
 - 7.8.4 Strategic initiatives
- 7.9 Leidos Holdings, Inc.
 - 7.9.1 Company overview
 - 7.9.2 Financial performance

- 7.9.3 Product benchmarking
- 7.9.4 Strategic initiatives
- 7.10 Analogic Corporation
 - 7.10.1 Company overview
 - 7.10.2 Financial performance
 - 7.10.3 Product benchmarking
 - 7.10.4 Strategic initiatives
- 7.11 Other Key Players

List Of Tables

LIST OF TABLES

- Table 1 Explosive trace detection-Industry snapshot & key buying criteria, 2014 - 2025
- Table 2 Explosive trace detection market, 2014 - 2025 (USD Million)
- Table 3 Explosive trace detection market, by region, 2014 - 2025 (USD Million)
- Table 4 Explosive trace detection market, by product type, 2014 - 2025 (USD Million)
- Table 5 Explosive trace detection market, by application, 2014 - 2025 (USD Million)
- Table 6 Explosive trace detection-Key market driver impact
- Table 7 Explosive trace detection-Key market challenge impact
- Table 8 Handheld market, 2014 - 2025 (USD Million)
- Table 9 Handheld market, by region, 2014 - 2025 (USD Million)
- Table 10 Vehicle-mounted market, 2014 - 2025 (USD Million)
- Table 11 Vehicle-mounted market, by region, 2014 - 2025 (USD Million)
- Table 12 Other detectors market, 2014 - 2025 (USD Million)
- Table 13 Other detectors market, by region, 2014 - 2025 (USD Million)
- Table 14 Explosive trace detection military & defense market, 2014 - 2025 (USD Million)
- Table 15 Explosive trace detection military & defense market, by region, 2014 - 2025 (USD Million)
- Table 16 Explosive trace detection transportation & logistics market, 2014 - 2025 (USD Million)
- Table 17 Explosive trace detection transportation & logistics market, by region, 2014 - 2025 (USD Million)
- Table 18 Explosive trace detection public safety & law enforcement market, 2014 - 2025 (USD Million)
- Table 19 Explosive trace detection public safety & law enforcement market, by region, 2014 - 2025 (USD Million)
- Table 20 Explosive trace detection commercial market, 2014 - 2025 (USD Million)
- Table 21 Explosive trace detection commercial market, by region, 2014 - 2025 (USD Million)
- Table 22 Explosive trace detection others market, 2014 - 2025 (USD Million)
- Table 23 Explosive trace detection others market, by region, 2014 - 2025 (USD Million)
- Table 24 North America explosive trace detection market, 2014 - 2025 (USD Million)
- Table 25 North America explosive trace detection market, by product type, 2014 - 2025 (USD Million)
- Table 26 North America explosive trace detection market, by application, 2014 - 2025 (USD Million)
- Table 27 U.S. explosive trace detection market, 2014 - 2025 (USD Million)

Table 28 U.S. explosive trace detection market, by product type, 2014 - 2025 (USD Million)

Table 29 U.S. explosive trace detection market, by application, 2014 - 2025 (USD Million)

Table 30 Canada explosive trace detection market, 2014 - 2025 (USD Million)

Table 31 Canada explosive trace detection market, by product type, 2014 - 2025 (USD Million)

Table 32 Canada explosive trace detection market, by application, 2014 - 2025 (USD Million)

Table 33 Europe explosive trace detection market, 2014 - 2025 (USD Million)

Table 34 Europe explosive trace detection market, by product type, 2014 - 2025 (USD Million)

Table 35 Europe explosive trace detection market, by application, 2014 - 2025 (USD Million)

Table 36 U.K. explosive trace detection market, 2014 - 2025 (USD Million)

Table 37 U.K. explosive trace detection market, by product type, 2014 - 2025 (USD Million)

Table 38 U.K. explosive trace detection market, by application, 2014 - 2025 (USD Million)

Table 39 Germany explosive trace detection market, 2014 - 2025 (USD Million)

Table 40 Germany explosive trace detection market, by product type, 2014 - 2025 (USD Million)

Table 41 Germany explosive trace detection market, by application, 2014 - 2025 (USD Million)

Table 42 Asia Pacific explosive trace detection market, 2014 - 2025 (USD Million)

Table 43 Asia Pacific explosive trace detection market, by product type, 2014 - 2025 (USD Million)

Table 44 Asia Pacific explosive trace detection market, by application, 2014 - 2025 (USD Million)

Table 45 China explosive trace detection market, 2014 - 2025 (USD Million)

Table 46 China explosive trace detection market, by product type, 2014 - 2025 (USD Million)

Table 47 China explosive trace detection market, by application, 2014 - 2025 (USD Million)

Table 48 Japan explosive trace detection market, 2014 - 2025 (USD Million)

Table 49 Japan explosive trace detection market, by product type, 2014 - 2025 (USD Million)

Table 50 Japan explosive trace detection market, by application, 2014 - 2025 (USD Million)

Table 51 India explosive trace detection market, 2014 - 2025 (USD Million)

Table 52 India explosive trace detection market, by product type, 2014 - 2025 (USD Million)

Table 53 India explosive trace detection market, by application, 2014 - 2025 (USD Million)

Table 54 South America explosive trace detection market, 2014 - 2025 (USD Million)

Table 55 South America explosive trace detection market, by product type, 2014 - 2025 (USD Million)

Table 56 South America explosive trace detection market, by application, 2014 - 2025 (USD Million)

Table 57 MEA explosive trace detection market, 2014 - 2025 (USD Million)

Table 58 MEA explosive trace detection market, by product type, 2014 - 2025 (USD Million)

Table 59 MEA explosive trace detection market, by application, 2014 - 2025 (USD Million)

List Of Figures

LIST OF FIGURES

- Fig. 1 Market segmentation and scope
- Fig. 2 Global explosive trace detection market, 2014 - 2025 (USD Million)
- Fig. 3 Explosive trace detection-Value chain analysis
- Fig. 4 Company ranking analysis, 2016
- Fig. 5 Key opportunities prioritized
- Fig. 6 Explosive trace detection-Porter's five forces analysis
- Fig. 7 Explosive trace detection-PEST analysis
- Fig. 8 Explosive trace detection market, by product type, 2016 & 2025
- Fig. 9 Explosive trace detection market, by application, 2016 & 2025
- Fig. 10 Explosive trace detection market, by region, 2016 & 2025
- Fig. 11 North America explosive trace detection market-Key takeaways
- Fig. 12 Europe explosive trace detection market-Key takeaways
- Fig. 13 Asia Pacific explosive trace detection market-Key takeaways
- Fig. 14 South America explosive trace detection market-Key takeaways
- Fig. 15 MEA explosive trace detection market-Key takeaways

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