

# Global Pyroelectric Detection Market Growth 2022-2028

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## Abstracts

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Pyroelectric detectors are thermal detectors: Temperature fluctuations produce a charge change on the surface of pyroelectric crystals, which produces a corresponding electrical signal. This temperature gradient can be created by the absorption of light.

The global market for Pyroelectric Detection is estimated to increase from US\$ million in 2021 to reach US\$ million by 2028, exhibiting a CAGR of % during 2022-2028. Keeping in mind the uncertainties of COVID-19 and Russia-Ukraine War, we are continuously tracking and evaluating the direct as well as the indirect influence of the pandemic on different end use sectors. These insights are included in the report as a major market contributor.

The APAC Pyroelectric Detection market is expected at value of US\$ million in 2022 and grow at approximately % CAGR during 2022 and 2028.

The United States Pyroelectric Detection market is expected at value of US\$ million in 2022 and grow at approximately % CAGR during 2022 and 2028.

The Europe Pyroelectric Detection market is expected at value of US\$ million in 2022 and grow at approximately % CAGR during 2022 and 2028.

The China Pyroelectric Detection market is expected at value of US\$ million in 2022 and grow at approximately % CAGR during 2022 and 2028.

Global key Pyroelectric Detection players cover Infratec, RP Photonics, Excelitas

Technologies, Gentec-EO and Laser Components, etc. In terms of revenue, the global largest two companies occupy a share nearly % in 2021.

## Report Coverage

This latest report provides a deep insight into the global Pyroelectric Detection market covering all its essential aspects. This ranges from a macro overview of the market to micro details of the market size, competitive landscape, development trend, niche market, key market drivers and challenges, value chain analysis, etc.

This report aims to provide a comprehensive picture of the global Pyroelectric Detection market, with both quantitative and qualitative data, to help readers understand how the Pyroelectric Detection market scenario changed across the globe during the pandemic and Russia-Ukraine War.

The base year considered for analyses is 2021, while the market estimates and forecasts are given from 2022 to 2028. The market estimates are provided in terms of revenue in USD millions and volume in K Units.

## Market Segmentation:

The study segments the Pyroelectric Detection market and forecasts the market size by Type (Single-Element Pyrodetectors, Dual-Element Pyrodetectors and Four-Element Pyrodetectors), by Application (Thermal Imaging Devices, Remote Temperature Sensors, Spectral Research and Other), and region (APAC, Americas, Europe, and Middle East & Africa).

### Segmentation by type

Single-Element Pyrodetectors

Dual-Element Pyrodetectors

Four-Element Pyrodetectors

### Segmentation by application

Thermal Imaging Devices

Remote Temperature Sensors

Spectral Research

Other

## Segmentation by region

### Americas

United States

Canada

Mexico

Brazil

### APAC

China

Japan

Korea

Southeast Asia

India

Australia

### Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

Major companies covered

Infratec

RP Photonics

Excelitas Technologies

Gentec-EO

Laser Components

Hi-Tech Detection Systems

Edmund Optics

Ophir Optronics

Eltec Instruments

Sciencetech

Micro-Hybrid Electronic GmbH

COMSOL

Pyreos

Qinhuangdao Intrinsic Crystal Technology

## Chapter Introduction

Chapter 1: Scope of Pyroelectric Detection, Research Methodology, etc.

Chapter 2: Executive Summary, global Pyroelectric Detection market size (sales and revenue) and CAGR, Pyroelectric Detection market size by region, by type, by application, historical data from 2017 to 2022, and forecast to 2028.

Chapter 3: Pyroelectric Detection sales, revenue, average price, global market share, and industry ranking by company, 2017-2022

Chapter 4: Global Pyroelectric Detection sales and revenue by region and by country. Country specific data and market value analysis for the U.S., Canada, Europe, China, Japan, South Korea, Southeast Asia, India, Latin America and Middle East & Africa.

Chapter 5, 6, 7, 8: Americas, APAC, Europe, Middle East & Africa, sales segment by country, by type, and type.

Chapter 9: Analysis of the current market trends, market forecast, opportunities and economic trends that are affecting the future marketplace

Chapter 10: Manufacturing cost structure analysis

Chapter 11: Sales channel, distributors, and customers

Chapter 12: Global Pyroelectric Detection market size forecast by region, by country, by type, and application.

Chapter 13: Comprehensive company profiles of the leading players, including Infratec, RP Photonics, Excelitas Technologies, Gentec-EO, Laser Components, Hi-Tech Detection Systems, Edmund Optics, Ophir Optronics and Eltec Instruments, etc.

Chapter 14: Research Findings and Conclusion

## Contents

### 1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered

### 2 EXECUTIVE SUMMARY

- 2.1 World Market Overview
  - 2.1.1 Global Pyroelectric Detection Annual Sales 2017-2028
  - 2.1.2 World Current & Future Analysis for Pyroelectric Detection by Geographic Region, 2017, 2022 & 2028
  - 2.1.3 World Current & Future Analysis for Pyroelectric Detection by Country/Region, 2017, 2022 & 2028
- 2.2 Pyroelectric Detection Segment by Type
  - 2.2.1 Single-Element Pyrodetectors
  - 2.2.2 Dual-Element Pyrodetectors
  - 2.2.3 Four-Element Pyrodetectors
- 2.3 Pyroelectric Detection Sales by Type
  - 2.3.1 Global Pyroelectric Detection Sales Market Share by Type (2017-2022)
  - 2.3.2 Global Pyroelectric Detection Revenue and Market Share by Type (2017-2022)
  - 2.3.3 Global Pyroelectric Detection Sale Price by Type (2017-2022)
- 2.4 Pyroelectric Detection Segment by Application
  - 2.4.1 Thermal Imaging Devices
  - 2.4.2 Remote Temperature Sensors
  - 2.4.3 Spectral Research
  - 2.4.4 Other
- 2.5 Pyroelectric Detection Sales by Application
  - 2.5.1 Global Pyroelectric Detection Sale Market Share by Application (2017-2022)
  - 2.5.2 Global Pyroelectric Detection Revenue and Market Share by Application (2017-2022)
  - 2.5.3 Global Pyroelectric Detection Sale Price by Application (2017-2022)

### **3 GLOBAL PYROELECTRIC DETECTION BY COMPANY**

- 3.1 Global Pyroelectric Detection Breakdown Data by Company
  - 3.1.1 Global Pyroelectric Detection Annual Sales by Company (2020-2022)
  - 3.1.2 Global Pyroelectric Detection Sales Market Share by Company (2020-2022)
- 3.2 Global Pyroelectric Detection Annual Revenue by Company (2020-2022)
  - 3.2.1 Global Pyroelectric Detection Revenue by Company (2020-2022)
  - 3.2.2 Global Pyroelectric Detection Revenue Market Share by Company (2020-2022)
- 3.3 Global Pyroelectric Detection Sale Price by Company
- 3.4 Key Manufacturers Pyroelectric Detection Producing Area Distribution, Sales Area, Product Type
  - 3.4.1 Key Manufacturers Pyroelectric Detection Product Location Distribution
  - 3.4.2 Players Pyroelectric Detection Products Offered
- 3.5 Market Concentration Rate Analysis
  - 3.5.1 Competition Landscape Analysis
  - 3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2020-2022)
- 3.6 New Products and Potential Entrants
- 3.7 Mergers & Acquisitions, Expansion

### **4 WORLD HISTORIC REVIEW FOR PYROELECTRIC DETECTION BY GEOGRAPHIC REGION**

- 4.1 World Historic Pyroelectric Detection Market Size by Geographic Region (2017-2022)
  - 4.1.1 Global Pyroelectric Detection Annual Sales by Geographic Region (2017-2022)
  - 4.1.2 Global Pyroelectric Detection Annual Revenue by Geographic Region
- 4.2 World Historic Pyroelectric Detection Market Size by Country/Region (2017-2022)
  - 4.2.1 Global Pyroelectric Detection Annual Sales by Country/Region (2017-2022)
  - 4.2.2 Global Pyroelectric Detection Annual Revenue by Country/Region
- 4.3 Americas Pyroelectric Detection Sales Growth
- 4.4 APAC Pyroelectric Detection Sales Growth
- 4.5 Europe Pyroelectric Detection Sales Growth
- 4.6 Middle East & Africa Pyroelectric Detection Sales Growth

### **5 AMERICAS**

- 5.1 Americas Pyroelectric Detection Sales by Country
  - 5.1.1 Americas Pyroelectric Detection Sales by Country (2017-2022)
  - 5.1.2 Americas Pyroelectric Detection Revenue by Country (2017-2022)



- 5.2 Americas Pyroelectric Detection Sales by Type
- 5.3 Americas Pyroelectric Detection Sales by Application
- 5.4 United States
- 5.5 Canada
- 5.6 Mexico
- 5.7 Brazil

## **6 APAC**

- 6.1 APAC Pyroelectric Detection Sales by Region
  - 6.1.1 APAC Pyroelectric Detection Sales by Region (2017-2022)
  - 6.1.2 APAC Pyroelectric Detection Revenue by Region (2017-2022)
- 6.2 APAC Pyroelectric Detection Sales by Type
- 6.3 APAC Pyroelectric Detection Sales by Application
- 6.4 China
- 6.5 Japan
- 6.6 South Korea
- 6.7 Southeast Asia
- 6.8 India
- 6.9 Australia
- 6.10 China Taiwan

## **7 EUROPE**

- 7.1 Europe Pyroelectric Detection by Country
  - 7.1.1 Europe Pyroelectric Detection Sales by Country (2017-2022)
  - 7.1.2 Europe Pyroelectric Detection Revenue by Country (2017-2022)
- 7.2 Europe Pyroelectric Detection Sales by Type
- 7.3 Europe Pyroelectric Detection Sales by Application
- 7.4 Germany
- 7.5 France
- 7.6 UK
- 7.7 Italy
- 7.8 Russia

## **8 MIDDLE EAST & AFRICA**

- 8.1 Middle East & Africa Pyroelectric Detection by Country
  - 8.1.1 Middle East & Africa Pyroelectric Detection Sales by Country (2017-2022)

- 8.1.2 Middle East & Africa Pyroelectric Detection Revenue by Country (2017-2022)
- 8.2 Middle East & Africa Pyroelectric Detection Sales by Type
- 8.3 Middle East & Africa Pyroelectric Detection Sales by Application
- 8.4 Egypt
- 8.5 South Africa
- 8.6 Israel
- 8.7 Turkey
- 8.8 GCC Countries

## **9 MARKET DRIVERS, CHALLENGES AND TRENDS**

- 9.1 Market Drivers & Growth Opportunities
- 9.2 Market Challenges & Risks
- 9.3 Industry Trends

## **10 MANUFACTURING COST STRUCTURE ANALYSIS**

- 10.1 Raw Material and Suppliers
- 10.2 Manufacturing Cost Structure Analysis of Pyroelectric Detection
- 10.3 Manufacturing Process Analysis of Pyroelectric Detection
- 10.4 Industry Chain Structure of Pyroelectric Detection

## **11 MARKETING, DISTRIBUTORS AND CUSTOMER**

- 11.1 Sales Channel
  - 11.1.1 Direct Channels
  - 11.1.2 Indirect Channels
- 11.2 Pyroelectric Detection Distributors
- 11.3 Pyroelectric Detection Customer

## **12 WORLD FORECAST REVIEW FOR PYROELECTRIC DETECTION BY GEOGRAPHIC REGION**

- 12.1 Global Pyroelectric Detection Market Size Forecast by Region
  - 12.1.1 Global Pyroelectric Detection Forecast by Region (2023-2028)
  - 12.1.2 Global Pyroelectric Detection Annual Revenue Forecast by Region (2023-2028)
- 12.2 Americas Forecast by Country
- 12.3 APAC Forecast by Region
- 12.4 Europe Forecast by Country

- 12.5 Middle East & Africa Forecast by Country
- 12.6 Global Pyroelectric Detection Forecast by Type
- 12.7 Global Pyroelectric Detection Forecast by Application

## **13 KEY PLAYERS ANALYSIS**

### 13.1 Infratec

- 13.1.1 Infratec Company Information
- 13.1.2 Infratec Pyroelectric Detection Product Offered
- 13.1.3 Infratec Pyroelectric Detection Sales, Revenue, Price and Gross Margin (2020-2022)
- 13.1.4 Infratec Main Business Overview
- 13.1.5 Infratec Latest Developments

### 13.2 RP Photonics

- 13.2.1 RP Photonics Company Information
- 13.2.2 RP Photonics Pyroelectric Detection Product Offered
- 13.2.3 RP Photonics Pyroelectric Detection Sales, Revenue, Price and Gross Margin (2020-2022)
- 13.2.4 RP Photonics Main Business Overview
- 13.2.5 RP Photonics Latest Developments

### 13.3 Excelitas Technologies

- 13.3.1 Excelitas Technologies Company Information
- 13.3.2 Excelitas Technologies Pyroelectric Detection Product Offered
- 13.3.3 Excelitas Technologies Pyroelectric Detection Sales, Revenue, Price and Gross Margin (2020-2022)
- 13.3.4 Excelitas Technologies Main Business Overview
- 13.3.5 Excelitas Technologies Latest Developments

### 13.4 Gentec-EO

- 13.4.1 Gentec-EO Company Information
- 13.4.2 Gentec-EO Pyroelectric Detection Product Offered
- 13.4.3 Gentec-EO Pyroelectric Detection Sales, Revenue, Price and Gross Margin (2020-2022)
- 13.4.4 Gentec-EO Main Business Overview
- 13.4.5 Gentec-EO Latest Developments

### 13.5 Laser Components

- 13.5.1 Laser Components Company Information
- 13.5.2 Laser Components Pyroelectric Detection Product Offered
- 13.5.3 Laser Components Pyroelectric Detection Sales, Revenue, Price and Gross Margin (2020-2022)

- 13.5.4 Laser Components Main Business Overview
- 13.5.5 Laser Components Latest Developments
- 13.6 Hi-Tech Detection Systems
  - 13.6.1 Hi-Tech Detection Systems Company Information
  - 13.6.2 Hi-Tech Detection Systems Pyroelectric Detection Product Offered
  - 13.6.3 Hi-Tech Detection Systems Pyroelectric Detection Sales, Revenue, Price and Gross Margin (2020-2022)
  - 13.6.4 Hi-Tech Detection Systems Main Business Overview
  - 13.6.5 Hi-Tech Detection Systems Latest Developments
- 13.7 Edmund Optics
  - 13.7.1 Edmund Optics Company Information
  - 13.7.2 Edmund Optics Pyroelectric Detection Product Offered
  - 13.7.3 Edmund Optics Pyroelectric Detection Sales, Revenue, Price and Gross Margin (2020-2022)
  - 13.7.4 Edmund Optics Main Business Overview
  - 13.7.5 Edmund Optics Latest Developments
- 13.8 Ophir Optronics
  - 13.8.1 Ophir Optronics Company Information
  - 13.8.2 Ophir Optronics Pyroelectric Detection Product Offered
  - 13.8.3 Ophir Optronics Pyroelectric Detection Sales, Revenue, Price and Gross Margin (2020-2022)
  - 13.8.4 Ophir Optronics Main Business Overview
  - 13.8.5 Ophir Optronics Latest Developments
- 13.9 Eltec Instruments
  - 13.9.1 Eltec Instruments Company Information
  - 13.9.2 Eltec Instruments Pyroelectric Detection Product Offered
  - 13.9.3 Eltec Instruments Pyroelectric Detection Sales, Revenue, Price and Gross Margin (2020-2022)
  - 13.9.4 Eltec Instruments Main Business Overview
  - 13.9.5 Eltec Instruments Latest Developments
- 13.10 Scientech
  - 13.10.1 Scientech Company Information
  - 13.10.2 Scientech Pyroelectric Detection Product Offered
  - 13.10.3 Scientech Pyroelectric Detection Sales, Revenue, Price and Gross Margin (2020-2022)
  - 13.10.4 Scientech Main Business Overview
  - 13.10.5 Scientech Latest Developments
- 13.11 Micro-Hybrid Electronic GmbH
  - 13.11.1 Micro-Hybrid Electronic GmbH Company Information

- 13.11.2 Micro-Hybrid Electronic GmbH Pyroelectric Detection Product Offered
- 13.11.3 Micro-Hybrid Electronic GmbH Pyroelectric Detection Sales, Revenue, Price and Gross Margin (2020-2022)
- 13.11.4 Micro-Hybrid Electronic GmbH Main Business Overview
- 13.11.5 Micro-Hybrid Electronic GmbH Latest Developments
- 13.12 COMSOL
  - 13.12.1 COMSOL Company Information
  - 13.12.2 COMSOL Pyroelectric Detection Product Offered
  - 13.12.3 COMSOL Pyroelectric Detection Sales, Revenue, Price and Gross Margin (2020-2022)
  - 13.12.4 COMSOL Main Business Overview
  - 13.12.5 COMSOL Latest Developments
- 13.13 Pyreos
  - 13.13.1 Pyreos Company Information
  - 13.13.2 Pyreos Pyroelectric Detection Product Offered
  - 13.13.3 Pyreos Pyroelectric Detection Sales, Revenue, Price and Gross Margin (2020-2022)
  - 13.13.4 Pyreos Main Business Overview
  - 13.13.5 Pyreos Latest Developments
- 13.14 Qinhuangdao Intrinsic Crystal Technology
  - 13.14.1 Qinhuangdao Intrinsic Crystal Technology Company Information
  - 13.14.2 Qinhuangdao Intrinsic Crystal Technology Pyroelectric Detection Product Offered
  - 13.14.3 Qinhuangdao Intrinsic Crystal Technology Pyroelectric Detection Sales, Revenue, Price and Gross Margin (2020-2022)
  - 13.14.4 Qinhuangdao Intrinsic Crystal Technology Main Business Overview
  - 13.14.5 Qinhuangdao Intrinsic Crystal Technology Latest Developments

## **14 RESEARCH FINDINGS AND CONCLUSION**

## List Of Tables

### LIST OF TABLES

- Table 1. Pyroelectric Detection Annual Sales CAGR by Geographic Region (2017, 2022 & 2028) & (\$ millions)
- Table 2. Pyroelectric Detection Annual Sales CAGR by Country/Region (2017, 2022 & 2028) & (\$ millions)
- Table 3. Major Players of Single-Element Pyrodetectors
- Table 4. Major Players of Dual-Element Pyrodetectors
- Table 5. Major Players of Four-Element Pyrodetectors
- Table 6. Global Pyroelectric Detection Sales by Type (2017-2022) & (K Units)
- Table 7. Global Pyroelectric Detection Sales Market Share by Type (2017-2022)
- Table 8. Global Pyroelectric Detection Revenue by Type (2017-2022) & (\$ million)
- Table 9. Global Pyroelectric Detection Revenue Market Share by Type (2017-2022)
- Table 10. Global Pyroelectric Detection Sale Price by Type (2017-2022) & (US\$/Unit)
- Table 11. Global Pyroelectric Detection Sales by Application (2017-2022) & (K Units)
- Table 12. Global Pyroelectric Detection Sales Market Share by Application (2017-2022)
- Table 13. Global Pyroelectric Detection Revenue by Application (2017-2022)
- Table 14. Global Pyroelectric Detection Revenue Market Share by Application (2017-2022)
- Table 15. Global Pyroelectric Detection Sale Price by Application (2017-2022) & (US\$/Unit)
- Table 16. Global Pyroelectric Detection Sales by Company (2020-2022) & (K Units)
- Table 17. Global Pyroelectric Detection Sales Market Share by Company (2020-2022)
- Table 18. Global Pyroelectric Detection Revenue by Company (2020-2022) (\$ Millions)
- Table 19. Global Pyroelectric Detection Revenue Market Share by Company (2020-2022)
- Table 20. Global Pyroelectric Detection Sale Price by Company (2020-2022) & (US\$/Unit)
- Table 21. Key Manufacturers Pyroelectric Detection Producing Area Distribution and Sales Area
- Table 22. Players Pyroelectric Detection Products Offered
- Table 23. Pyroelectric Detection Concentration Ratio (CR3, CR5 and CR10) & (2020-2022)
- Table 24. New Products and Potential Entrants
- Table 25. Mergers & Acquisitions, Expansion
- Table 26. Global Pyroelectric Detection Sales by Geographic Region (2017-2022) & (K Units)

Table 27. Global Pyroelectric Detection Sales Market Share Geographic Region (2017-2022)

Table 28. Global Pyroelectric Detection Revenue by Geographic Region (2017-2022) & (\$ millions)

Table 29. Global Pyroelectric Detection Revenue Market Share by Geographic Region (2017-2022)

Table 30. Global Pyroelectric Detection Sales by Country/Region (2017-2022) & (K Units)

Table 31. Global Pyroelectric Detection Sales Market Share by Country/Region (2017-2022)

Table 32. Global Pyroelectric Detection Revenue by Country/Region (2017-2022) & (\$ millions)

Table 33. Global Pyroelectric Detection Revenue Market Share by Country/Region (2017-2022)

Table 34. Americas Pyroelectric Detection Sales by Country (2017-2022) & (K Units)

Table 35. Americas Pyroelectric Detection Sales Market Share by Country (2017-2022)

Table 36. Americas Pyroelectric Detection Revenue by Country (2017-2022) & (\$ Millions)

Table 37. Americas Pyroelectric Detection Revenue Market Share by Country (2017-2022)

Table 38. Americas Pyroelectric Detection Sales by Type (2017-2022) & (K Units)

Table 39. Americas Pyroelectric Detection Sales Market Share by Type (2017-2022)

Table 40. Americas Pyroelectric Detection Sales by Application (2017-2022) & (K Units)

Table 41. Americas Pyroelectric Detection Sales Market Share by Application (2017-2022)

Table 42. APAC Pyroelectric Detection Sales by Region (2017-2022) & (K Units)

Table 43. APAC Pyroelectric Detection Sales Market Share by Region (2017-2022)

Table 44. APAC Pyroelectric Detection Revenue by Region (2017-2022) & (\$ Millions)

Table 45. APAC Pyroelectric Detection Revenue Market Share by Region (2017-2022)

Table 46. APAC Pyroelectric Detection Sales by Type (2017-2022) & (K Units)

Table 47. APAC Pyroelectric Detection Sales Market Share by Type (2017-2022)

Table 48. APAC Pyroelectric Detection Sales by Application (2017-2022) & (K Units)

Table 49. APAC Pyroelectric Detection Sales Market Share by Application (2017-2022)

Table 50. Europe Pyroelectric Detection Sales by Country (2017-2022) & (K Units)

Table 51. Europe Pyroelectric Detection Sales Market Share by Country (2017-2022)

Table 52. Europe Pyroelectric Detection Revenue by Country (2017-2022) & (\$ Millions)

Table 53. Europe Pyroelectric Detection Revenue Market Share by Country (2017-2022)

Table 54. Europe Pyroelectric Detection Sales by Type (2017-2022) & (K Units)



- Table 55. Europe Pyroelectric Detection Sales Market Share by Type (2017-2022)
- Table 56. Europe Pyroelectric Detection Sales by Application (2017-2022) & (K Units)
- Table 57. Europe Pyroelectric Detection Sales Market Share by Application (2017-2022)
- Table 58. Middle East & Africa Pyroelectric Detection Sales by Country (2017-2022) & (K Units)
- Table 59. Middle East & Africa Pyroelectric Detection Sales Market Share by Country (2017-2022)
- Table 60. Middle East & Africa Pyroelectric Detection Revenue by Country (2017-2022) & (\$ Millions)
- Table 61. Middle East & Africa Pyroelectric Detection Revenue Market Share by Country (2017-2022)
- Table 62. Middle East & Africa Pyroelectric Detection Sales by Type (2017-2022) & (K Units)
- Table 63. Middle East & Africa Pyroelectric Detection Sales Market Share by Type (2017-2022)
- Table 64. Middle East & Africa Pyroelectric Detection Sales by Application (2017-2022) & (K Units)
- Table 65. Middle East & Africa Pyroelectric Detection Sales Market Share by Application (2017-2022)
- Table 66. Key Market Drivers & Growth Opportunities of Pyroelectric Detection
- Table 67. Key Market Challenges & Risks of Pyroelectric Detection
- Table 68. Key Industry Trends of Pyroelectric Detection
- Table 69. Pyroelectric Detection Raw Material
- Table 70. Key Suppliers of Raw Materials
- Table 71. Pyroelectric Detection Distributors List
- Table 72. Pyroelectric Detection Customer List
- Table 73. Global Pyroelectric Detection Sales Forecast by Region (2023-2028) & (K Units)
- Table 74. Global Pyroelectric Detection Sales Market Forecast by Region
- Table 75. Global Pyroelectric Detection Revenue Forecast by Region (2023-2028) & (\$ millions)
- Table 76. Global Pyroelectric Detection Revenue Market Share Forecast by Region (2023-2028)
- Table 77. Americas Pyroelectric Detection Sales Forecast by Country (2023-2028) & (K Units)
- Table 78. Americas Pyroelectric Detection Revenue Forecast by Country (2023-2028) & (\$ millions)
- Table 79. APAC Pyroelectric Detection Sales Forecast by Region (2023-2028) & (K Units)



- Table 80. APAC Pyroelectric Detection Revenue Forecast by Region (2023-2028) & (\$ millions)
- Table 81. Europe Pyroelectric Detection Sales Forecast by Country (2023-2028) & (K Units)
- Table 82. Europe Pyroelectric Detection Revenue Forecast by Country (2023-2028) & (\$ millions)
- Table 83. Middle East & Africa Pyroelectric Detection Sales Forecast by Country (2023-2028) & (K Units)
- Table 84. Middle East & Africa Pyroelectric Detection Revenue Forecast by Country (2023-2028) & (\$ millions)
- Table 85. Global Pyroelectric Detection Sales Forecast by Type (2023-2028) & (K Units)
- Table 86. Global Pyroelectric Detection Sales Market Share Forecast by Type (2023-2028)
- Table 87. Global Pyroelectric Detection Revenue Forecast by Type (2023-2028) & (\$ Millions)
- Table 88. Global Pyroelectric Detection Revenue Market Share Forecast by Type (2023-2028)
- Table 89. Global Pyroelectric Detection Sales Forecast by Application (2023-2028) & (K Units)
- Table 90. Global Pyroelectric Detection Sales Market Share Forecast by Application (2023-2028)
- Table 91. Global Pyroelectric Detection Revenue Forecast by Application (2023-2028) & (\$ Millions)
- Table 92. Global Pyroelectric Detection Revenue Market Share Forecast by Application (2023-2028)
- Table 93. Infratec Basic Information, Pyroelectric Detection Manufacturing Base, Sales Area and Its Competitors
- Table 94. Infratec Pyroelectric Detection Product Offered
- Table 95. Infratec Pyroelectric Detection Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2022)
- Table 96. Infratec Main Business
- Table 97. Infratec Latest Developments
- Table 98. RP Photonics Basic Information, Pyroelectric Detection Manufacturing Base, Sales Area and Its Competitors
- Table 99. RP Photonics Pyroelectric Detection Product Offered
- Table 100. RP Photonics Pyroelectric Detection Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2022)
- Table 101. RP Photonics Main Business
- Table 102. RP Photonics Latest Developments

- Table 103. Excelitas Technologies Basic Information, Pyroelectric Detection Manufacturing Base, Sales Area and Its Competitors
- Table 104. Excelitas Technologies Pyroelectric Detection Product Offered
- Table 105. Excelitas Technologies Pyroelectric Detection Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2022)
- Table 106. Excelitas Technologies Main Business
- Table 107. Excelitas Technologies Latest Developments
- Table 108. Gentec-EO Basic Information, Pyroelectric Detection Manufacturing Base, Sales Area and Its Competitors
- Table 109. Gentec-EO Pyroelectric Detection Product Offered
- Table 110. Gentec-EO Pyroelectric Detection Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2022)
- Table 111. Gentec-EO Main Business
- Table 112. Gentec-EO Latest Developments
- Table 113. Laser Components Basic Information, Pyroelectric Detection Manufacturing Base, Sales Area and Its Competitors
- Table 114. Laser Components Pyroelectric Detection Product Offered
- Table 115. Laser Components Pyroelectric Detection Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2022)
- Table 116. Laser Components Main Business
- Table 117. Laser Components Latest Developments
- Table 118. Hi-Tech Detection Systems Basic Information, Pyroelectric Detection Manufacturing Base, Sales Area and Its Competitors
- Table 119. Hi-Tech Detection Systems Pyroelectric Detection Product Offered
- Table 120. Hi-Tech Detection Systems Pyroelectric Detection Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2022)
- Table 121. Hi-Tech Detection Systems Main Business
- Table 122. Hi-Tech Detection Systems Latest Developments
- Table 123. Edmund Optics Basic Information, Pyroelectric Detection Manufacturing Base, Sales Area and Its Competitors
- Table 124. Edmund Optics Pyroelectric Detection Product Offered
- Table 125. Edmund Optics Pyroelectric Detection Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2022)
- Table 126. Edmund Optics Main Business
- Table 127. Edmund Optics Latest Developments
- Table 128. Ophir Optronics Basic Information, Pyroelectric Detection Manufacturing Base, Sales Area and Its Competitors
- Table 129. Ophir Optronics Pyroelectric Detection Product Offered
- Table 130. Ophir Optronics Pyroelectric Detection Sales (K Units), Revenue (\$ Million),

Price (US\$/Unit) and Gross Margin (2020-2022)

Table 131. Ophir Optronics Main Business

Table 132. Ophir Optronics Latest Developments

Table 133. Eltec Instruments Basic Information, Pyroelectric Detection Manufacturing Base, Sales Area and Its Competitors

Table 134. Eltec Instruments Pyroelectric Detection Product Offered

Table 135. Eltec Instruments Pyroelectric Detection Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2022)

Table 136. Eltec Instruments Main Business

Table 137. Eltec Instruments Latest Developments

Table 138. Scientech Basic Information, Pyroelectric Detection Manufacturing Base, Sales Area and Its Competitors

Table 139. Scientech Pyroelectric Detection Product Offered

Table 140. Scientech Pyroelectric Detection Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2022)

Table 141. Scientech Main Business

Table 142. Scientech Latest Developments

Table 143. Micro-Hybrid Electronic GmbH Basic Information, Pyroelectric Detection Manufacturing Base, Sales Area and Its Competitors

Table 144. Micro-Hybrid Electronic GmbH Pyroelectric Detection Product Offered

Table 145. Micro-Hybrid Electronic GmbH Pyroelectric Detection Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2022)

Table 146. Micro-Hybrid Electronic GmbH Main Business

Table 147. Micro-Hybrid Electronic GmbH Latest Developments

Table 148. COMSOL Basic Information, Pyroelectric Detection Manufacturing Base, Sales Area and Its Competitors

Table 149. COMSOL Pyroelectric Detection Product Offered

Table 150. COMSOL Pyroelectric Detection Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2022)

Table 151. COMSOL Main Business

Table 152. COMSOL Latest Developments

Table 153. Pyreos Basic Information, Pyroelectric Detection Manufacturing Base, Sales Area and Its Competitors

Table 154. Pyreos Pyroelectric Detection Product Offered

Table 155. Pyreos Pyroelectric Detection Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2022)

Table 156. Pyreos Main Business

Table 157. Pyreos Latest Developments

Table 158. Qinhuangdao Intrinsic Crystal Technology Basic Information, Pyroelectric

Detection Manufacturing Base, Sales Area and Its Competitors

Table 159. Qinhuangdao Intrinsic Crystal Technology Pyroelectric Detection Product Offered

Table 160. Qinhuangdao Intrinsic Crystal Technology Pyroelectric Detection Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2022)

Table 161. Qinhuangdao Intrinsic Crystal Technology Main Business

Table 162. Qinhuangdao Intrinsic Crystal Technology Latest Developments

## List Of Figures

### LIST OF FIGURES

- Figure 1. Picture of Pyroelectric Detection
- Figure 2. Pyroelectric Detection Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global Pyroelectric Detection Sales Growth Rate 2017-2028 (K Units)
- Figure 7. Global Pyroelectric Detection Revenue Growth Rate 2017-2028 (\$ Millions)
- Figure 8. Pyroelectric Detection Sales by Region (2021 & 2028) & (\$ millions)
- Figure 9. Product Picture of Single-Element Pyrodetectors
- Figure 10. Product Picture of Dual-Element Pyrodetectors
- Figure 11. Product Picture of Four-Element Pyrodetectors
- Figure 12. Global Pyroelectric Detection Sales Market Share by Type in 2021
- Figure 13. Global Pyroelectric Detection Revenue Market Share by Type (2017-2022)
- Figure 14. Pyroelectric Detection Consumed in Thermal Imaging Devices
- Figure 15. Global Pyroelectric Detection Market: Thermal Imaging Devices (2017-2022) & (K Units)
- Figure 16. Pyroelectric Detection Consumed in Remote Temperature Sensors
- Figure 17. Global Pyroelectric Detection Market: Remote Temperature Sensors (2017-2022) & (K Units)
- Figure 18. Pyroelectric Detection Consumed in Spectral Research
- Figure 19. Global Pyroelectric Detection Market: Spectral Research (2017-2022) & (K Units)
- Figure 20. Pyroelectric Detection Consumed in Other
- Figure 21. Global Pyroelectric Detection Market: Other (2017-2022) & (K Units)
- Figure 22. Global Pyroelectric Detection Sales Market Share by Application (2017-2022)
- Figure 23. Global Pyroelectric Detection Revenue Market Share by Application in 2021
- Figure 24. Pyroelectric Detection Revenue Market by Company in 2021 (\$ Million)
- Figure 25. Global Pyroelectric Detection Revenue Market Share by Company in 2021
- Figure 26. Global Pyroelectric Detection Sales Market Share by Geographic Region (2017-2022)
- Figure 27. Global Pyroelectric Detection Revenue Market Share by Geographic Region in 2021
- Figure 28. Global Pyroelectric Detection Sales Market Share by Region (2017-2022)
- Figure 29. Global Pyroelectric Detection Revenue Market Share by Country/Region in 2021

- Figure 30. Americas Pyroelectric Detection Sales 2017-2022 (K Units)
- Figure 31. Americas Pyroelectric Detection Revenue 2017-2022 (\$ Millions)
- Figure 32. APAC Pyroelectric Detection Sales 2017-2022 (K Units)
- Figure 33. APAC Pyroelectric Detection Revenue 2017-2022 (\$ Millions)
- Figure 34. Europe Pyroelectric Detection Sales 2017-2022 (K Units)
- Figure 35. Europe Pyroelectric Detection Revenue 2017-2022 (\$ Millions)
- Figure 36. Middle East & Africa Pyroelectric Detection Sales 2017-2022 (K Units)
- Figure 37. Middle East & Africa Pyroelectric Detection Revenue 2017-2022 (\$ Millions)
- Figure 38. Americas Pyroelectric Detection Sales Market Share by Country in 2021
- Figure 39. Americas Pyroelectric Detection Revenue Market Share by Country in 2021
- Figure 40. United States Pyroelectric Detection Revenue Growth 2017-2022 (\$ Millions)
- Figure 41. Canada Pyroelectric Detection Revenue Growth 2017-2022 (\$ Millions)
- Figure 42. Mexico Pyroelectric Detection Revenue Growth 2017-2022 (\$ Millions)
- Figure 43. Brazil Pyroelectric Detection Revenue Growth 2017-2022 (\$ Millions)
- Figure 44. APAC Pyroelectric Detection Sales Market Share by Region in 2021
- Figure 45. APAC Pyroelectric Detection Revenue Market Share by Regions in 2021
- Figure 46. China Pyroelectric Detection Revenue Growth 2017-2022 (\$ Millions)
- Figure 47. Japan Pyroelectric Detection Revenue Growth 2017-2022 (\$ Millions)
- Figure 48. South Korea Pyroelectric Detection Revenue Growth 2017-2022 (\$ Millions)
- Figure 49. Southeast Asia Pyroelectric Detection Revenue Growth 2017-2022 (\$ Millions)
- Figure 50. India Pyroelectric Detection Revenue Growth 2017-2022 (\$ Millions)
- Figure 51. Australia Pyroelectric Detection Revenue Growth 2017-2022 (\$ Millions)
- Figure 52. Europe Pyroelectric Detection Sales Market Share by Country in 2021
- Figure 53. Europe Pyroelectric Detection Revenue Market Share by Country in 2021
- Figure 54. Germany Pyroelectric Detection Revenue Growth 2017-2022 (\$ Millions)
- Figure 55. France Pyroelectric Detection Revenue Growth 2017-2022 (\$ Millions)
- Figure 56. UK Pyroelectric Detection Revenue Growth 2017-2022 (\$ Millions)
- Figure 57. Italy Pyroelectric Detection Revenue Growth 2017-2022 (\$ Millions)
- Figure 58. Russia Pyroelectric Detection Revenue Growth 2017-2022 (\$ Millions)
- Figure 59. Middle East & Africa Pyroelectric Detection Sales Market Share by Country in 2021
- Figure 60. Middle East & Africa Pyroelectric Detection Revenue Market Share by Country in 2021
- Figure 61. Egypt Pyroelectric Detection Revenue Growth 2017-2022 (\$ Millions)
- Figure 62. South Africa Pyroelectric Detection Revenue Growth 2017-2022 (\$ Millions)
- Figure 63. Israel Pyroelectric Detection Revenue Growth 2017-2022 (\$ Millions)
- Figure 64. Turkey Pyroelectric Detection Revenue Growth 2017-2022 (\$ Millions)
- Figure 65. GCC Country Pyroelectric Detection Revenue Growth 2017-2022 (\$ Millions)



Figure 66. Manufacturing Cost Structure Analysis of Pyroelectric Detection in 2021

Figure 67. Manufacturing Process Analysis of Pyroelectric Detection

Figure 68. Industry Chain Structure of Pyroelectric Detection

Figure 69. Channels of Distribution

Figure 70. Distributors Profiles

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