

# Global Radiation Detector Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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## Abstracts

A radiation detector is a device for measuring nuclear, electromagnetic or light radiation. A nuclear radiation detector identifies nuclear radiation by measuring the emission of ionizing radiation of alpha particles, beta particles and gamma rays. Also referred to as a Geiger counter, a nuclear radiation detector consists of two main elements: the processing electronics and the Geiger tube. The Geiger tube is filled with low-pressure inert gas like helium, argon or neon. If radioactive radiation occurs, the inert gas is ionized. An anode within the Geiger tube registers the quantity of ionized particles numerically correlating with the strength of the radioactive radiation. The radioactivity measurement is then displayed on the LCD screen of the Geiger counter or nuclear radiation detector.

According to our (Global Info Research) latest study, the global Radiation Detector market size was valued at US\$ 1931 million in 2023 and is forecast to a readjusted size of USD 2349 million by 2030 with a CAGR of 2.9% during review period.

Global radiation detector main providers include MIRION, AMETEK (Ortec), Thermo Fisher and Fuji Electric. The top 5 companies hold a share about 42%. Asia Pacific is the largest market of radiation detector, holding a share about 32%. In terms of product, semiconductor detectors is the largest segment, with a share about 40%. And in terms of application, the largest application is industrial gauging, followed by homeland security.

This report is a detailed and comprehensive analysis for global Radiation Detector market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this

report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2024, are provided.

#### Key Features:

Global Radiation Detector market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (USD/Unit), 2019-2030

Global Radiation Detector market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (USD/Unit), 2019-2030

Global Radiation Detector market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (USD/Unit), 2019-2030

Global Radiation Detector market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (USD/Unit), 2019-2024

#### The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Radiation Detector

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Radiation Detector market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include MIRION, AMETEK (Ortec), Thermo Fisher, Fuji Electric, Leidos, NuSAFE, Coliy, Ecotest, CIRNIC, CSIC, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

## Market Segmentation

Radiation Detector market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

### Market segment by Type

Gas Ionization Detectors

Semiconductor Detectors

Scintillation Detectors

### Market segment by Application

Neutron Scattering

Environmental

Homeland Security

Industrial Gauging

Others

### Major players covered

MIRION

AMETEK (Ortec)

Thermo Fisher

Fuji Electric

Leidos

NuSAFE

Coliy

Ecotest

CIRNIC

CSIC

Hoton

Weifeng Nuclear Instrument

Simmax Technology

Zhongke Nuclear Safety

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Radiation Detector product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Radiation Detector, with price, sales quantity, revenue, and global market share of Radiation Detector from 2019 to 2024.

Chapter 3, the Radiation Detector competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Radiation Detector breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2019 to 2024. and Radiation Detector market forecast, by regions, by Type, and by Application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Radiation Detector.

Chapter 14 and 15, to describe Radiation Detector sales channel, distributors, customers, research findings and conclusion.

## Contents

### 1 MARKET OVERVIEW

1.1 Product Overview and Scope

1.2 Market Estimation Caveats and Base Year

1.3 Market Analysis by Type

1.3.1 Overview: Global Radiation Detector Consumption Value by Type: 2019 Versus 2023 Versus 2030

1.3.2 Gas Ionization Detectors

1.3.3 Semiconductor Detectors

1.3.4 Scintillation Detectors

1.4 Market Analysis by Application

1.4.1 Overview: Global Radiation Detector Consumption Value by Application: 2019 Versus 2023 Versus 2030

1.4.2 Neutron Scattering

1.4.3 Environmental

1.4.4 Homeland Security

1.4.5 Industrial Gauging

1.4.6 Others

1.5 Global Radiation Detector Market Size & Forecast

1.5.1 Global Radiation Detector Consumption Value (2019 & 2023 & 2030)

1.5.2 Global Radiation Detector Sales Quantity (2019-2030)

1.5.3 Global Radiation Detector Average Price (2019-2030)

### 2 MANUFACTURERS PROFILES

2.1 MIRION

2.1.1 MIRION Details

2.1.2 MIRION Major Business

2.1.3 MIRION Radiation Detector Product and Services

2.1.4 MIRION Radiation Detector Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.1.5 MIRION Recent Developments/Updates

2.2 AMETEK (Ortec)

2.2.1 AMETEK (Ortec) Details

2.2.2 AMETEK (Ortec) Major Business

2.2.3 AMETEK (Ortec) Radiation Detector Product and Services

2.2.4 AMETEK (Ortec) Radiation Detector Sales Quantity, Average Price, Revenue,

## Gross Margin and Market Share (2019-2024)

### 2.2.5 AMETEK (Ortec) Recent Developments/Updates

## 2.3 Thermo Fisher

### 2.3.1 Thermo Fisher Details

### 2.3.2 Thermo Fisher Major Business

### 2.3.3 Thermo Fisher Radiation Detector Product and Services

### 2.3.4 Thermo Fisher Radiation Detector Sales Quantity, Average Price, Revenue,

## Gross Margin and Market Share (2019-2024)

### 2.3.5 Thermo Fisher Recent Developments/Updates

## 2.4 Fuji Electric

### 2.4.1 Fuji Electric Details

### 2.4.2 Fuji Electric Major Business

### 2.4.3 Fuji Electric Radiation Detector Product and Services

### 2.4.4 Fuji Electric Radiation Detector Sales Quantity, Average Price, Revenue, Gross

## Margin and Market Share (2019-2024)

### 2.4.5 Fuji Electric Recent Developments/Updates

## 2.5 Leidos

### 2.5.1 Leidos Details

### 2.5.2 Leidos Major Business

### 2.5.3 Leidos Radiation Detector Product and Services

### 2.5.4 Leidos Radiation Detector Sales Quantity, Average Price, Revenue, Gross

## Margin and Market Share (2019-2024)

### 2.5.5 Leidos Recent Developments/Updates

## 2.6 NuSAFE

### 2.6.1 NuSAFE Details

### 2.6.2 NuSAFE Major Business

### 2.6.3 NuSAFE Radiation Detector Product and Services

### 2.6.4 NuSAFE Radiation Detector Sales Quantity, Average Price, Revenue, Gross

## Margin and Market Share (2019-2024)

### 2.6.5 NuSAFE Recent Developments/Updates

## 2.7 Coliy

### 2.7.1 Coliy Details

### 2.7.2 Coliy Major Business

### 2.7.3 Coliy Radiation Detector Product and Services

### 2.7.4 Coliy Radiation Detector Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

### 2.7.5 Coliy Recent Developments/Updates

## 2.8 Ecotest

### 2.8.1 Ecotest Details

- 2.8.2 Ecotest Major Business
- 2.8.3 Ecotest Radiation Detector Product and Services
- 2.8.4 Ecotest Radiation Detector Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
- 2.8.5 Ecotest Recent Developments/Updates
- 2.9 CIRNIC
  - 2.9.1 CIRNIC Details
  - 2.9.2 CIRNIC Major Business
  - 2.9.3 CIRNIC Radiation Detector Product and Services
  - 2.9.4 CIRNIC Radiation Detector Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
  - 2.9.5 CIRNIC Recent Developments/Updates
- 2.10 CSIC
  - 2.10.1 CSIC Details
  - 2.10.2 CSIC Major Business
  - 2.10.3 CSIC Radiation Detector Product and Services
  - 2.10.4 CSIC Radiation Detector Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
  - 2.10.5 CSIC Recent Developments/Updates
- 2.11 Hoton
  - 2.11.1 Hoton Details
  - 2.11.2 Hoton Major Business
  - 2.11.3 Hoton Radiation Detector Product and Services
  - 2.11.4 Hoton Radiation Detector Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
  - 2.11.5 Hoton Recent Developments/Updates
- 2.12 Weifeng Nuclear Instrument
  - 2.12.1 Weifeng Nuclear Instrument Details
  - 2.12.2 Weifeng Nuclear Instrument Major Business
  - 2.12.3 Weifeng Nuclear Instrument Radiation Detector Product and Services
  - 2.12.4 Weifeng Nuclear Instrument Radiation Detector Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
  - 2.12.5 Weifeng Nuclear Instrument Recent Developments/Updates
- 2.13 Simmax Technology
  - 2.13.1 Simmax Technology Details
  - 2.13.2 Simmax Technology Major Business
  - 2.13.3 Simmax Technology Radiation Detector Product and Services
  - 2.13.4 Simmax Technology Radiation Detector Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)



- 2.13.5 Simmax Technology Recent Developments/Updates
- 2.14 Zhongke Nuclear Safety
  - 2.14.1 Zhongke Nuclear Safety Details
  - 2.14.2 Zhongke Nuclear Safety Major Business
  - 2.14.3 Zhongke Nuclear Safety Radiation Detector Product and Services
  - 2.14.4 Zhongke Nuclear Safety Radiation Detector Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
  - 2.14.5 Zhongke Nuclear Safety Recent Developments/Updates

### **3 COMPETITIVE ENVIRONMENT: RADIATION DETECTOR BY MANUFACTURER**

- 3.1 Global Radiation Detector Sales Quantity by Manufacturer (2019-2024)
- 3.2 Global Radiation Detector Revenue by Manufacturer (2019-2024)
- 3.3 Global Radiation Detector Average Price by Manufacturer (2019-2024)
- 3.4 Market Share Analysis (2023)
  - 3.4.1 Producer Shipments of Radiation Detector by Manufacturer Revenue (\$MM) and Market Share (%): 2023
  - 3.4.2 Top 3 Radiation Detector Manufacturer Market Share in 2023
  - 3.4.3 Top 6 Radiation Detector Manufacturer Market Share in 2023
- 3.5 Radiation Detector Market: Overall Company Footprint Analysis
  - 3.5.1 Radiation Detector Market: Region Footprint
  - 3.5.2 Radiation Detector Market: Company Product Type Footprint
  - 3.5.3 Radiation Detector Market: Company Product Application Footprint
- 3.6 New Market Entrants and Barriers to Market Entry
- 3.7 Mergers, Acquisition, Agreements, and Collaborations

### **4 CONSUMPTION ANALYSIS BY REGION**

- 4.1 Global Radiation Detector Market Size by Region
  - 4.1.1 Global Radiation Detector Sales Quantity by Region (2019-2030)
  - 4.1.2 Global Radiation Detector Consumption Value by Region (2019-2030)
  - 4.1.3 Global Radiation Detector Average Price by Region (2019-2030)
- 4.2 North America Radiation Detector Consumption Value (2019-2030)
- 4.3 Europe Radiation Detector Consumption Value (2019-2030)
- 4.4 Asia-Pacific Radiation Detector Consumption Value (2019-2030)
- 4.5 South America Radiation Detector Consumption Value (2019-2030)
- 4.6 Middle East & Africa Radiation Detector Consumption Value (2019-2030)

### **5 MARKET SEGMENT BY TYPE**

- 5.1 Global Radiation Detector Sales Quantity by Type (2019-2030)
- 5.2 Global Radiation Detector Consumption Value by Type (2019-2030)
- 5.3 Global Radiation Detector Average Price by Type (2019-2030)

## **6 MARKET SEGMENT BY APPLICATION**

- 6.1 Global Radiation Detector Sales Quantity by Application (2019-2030)
- 6.2 Global Radiation Detector Consumption Value by Application (2019-2030)
- 6.3 Global Radiation Detector Average Price by Application (2019-2030)

## **7 NORTH AMERICA**

- 7.1 North America Radiation Detector Sales Quantity by Type (2019-2030)
- 7.2 North America Radiation Detector Sales Quantity by Application (2019-2030)
- 7.3 North America Radiation Detector Market Size by Country
  - 7.3.1 North America Radiation Detector Sales Quantity by Country (2019-2030)
  - 7.3.2 North America Radiation Detector Consumption Value by Country (2019-2030)
  - 7.3.3 United States Market Size and Forecast (2019-2030)
  - 7.3.4 Canada Market Size and Forecast (2019-2030)
  - 7.3.5 Mexico Market Size and Forecast (2019-2030)

## **8 EUROPE**

- 8.1 Europe Radiation Detector Sales Quantity by Type (2019-2030)
- 8.2 Europe Radiation Detector Sales Quantity by Application (2019-2030)
- 8.3 Europe Radiation Detector Market Size by Country
  - 8.3.1 Europe Radiation Detector Sales Quantity by Country (2019-2030)
  - 8.3.2 Europe Radiation Detector Consumption Value by Country (2019-2030)
  - 8.3.3 Germany Market Size and Forecast (2019-2030)
  - 8.3.4 France Market Size and Forecast (2019-2030)
  - 8.3.5 United Kingdom Market Size and Forecast (2019-2030)
  - 8.3.6 Russia Market Size and Forecast (2019-2030)
  - 8.3.7 Italy Market Size and Forecast (2019-2030)

## **9 ASIA-PACIFIC**

- 9.1 Asia-Pacific Radiation Detector Sales Quantity by Type (2019-2030)
- 9.2 Asia-Pacific Radiation Detector Sales Quantity by Application (2019-2030)

## 9.3 Asia-Pacific Radiation Detector Market Size by Region

- 9.3.1 Asia-Pacific Radiation Detector Sales Quantity by Region (2019-2030)
- 9.3.2 Asia-Pacific Radiation Detector Consumption Value by Region (2019-2030)
- 9.3.3 China Market Size and Forecast (2019-2030)
- 9.3.4 Japan Market Size and Forecast (2019-2030)
- 9.3.5 South Korea Market Size and Forecast (2019-2030)
- 9.3.6 India Market Size and Forecast (2019-2030)
- 9.3.7 Southeast Asia Market Size and Forecast (2019-2030)
- 9.3.8 Australia Market Size and Forecast (2019-2030)

## 10 SOUTH AMERICA

- 10.1 South America Radiation Detector Sales Quantity by Type (2019-2030)
- 10.2 South America Radiation Detector Sales Quantity by Application (2019-2030)
- 10.3 South America Radiation Detector Market Size by Country
  - 10.3.1 South America Radiation Detector Sales Quantity by Country (2019-2030)
  - 10.3.2 South America Radiation Detector Consumption Value by Country (2019-2030)
  - 10.3.3 Brazil Market Size and Forecast (2019-2030)
  - 10.3.4 Argentina Market Size and Forecast (2019-2030)

## 11 MIDDLE EAST & AFRICA

- 11.1 Middle East & Africa Radiation Detector Sales Quantity by Type (2019-2030)
- 11.2 Middle East & Africa Radiation Detector Sales Quantity by Application (2019-2030)
- 11.3 Middle East & Africa Radiation Detector Market Size by Country
  - 11.3.1 Middle East & Africa Radiation Detector Sales Quantity by Country (2019-2030)
  - 11.3.2 Middle East & Africa Radiation Detector Consumption Value by Country (2019-2030)
  - 11.3.3 Turkey Market Size and Forecast (2019-2030)
  - 11.3.4 Egypt Market Size and Forecast (2019-2030)
  - 11.3.5 Saudi Arabia Market Size and Forecast (2019-2030)
  - 11.3.6 South Africa Market Size and Forecast (2019-2030)

## 12 MARKET DYNAMICS

- 12.1 Radiation Detector Market Drivers
- 12.2 Radiation Detector Market Restraints
- 12.3 Radiation Detector Trends Analysis
- 12.4 Porters Five Forces Analysis

- 12.4.1 Threat of New Entrants
- 12.4.2 Bargaining Power of Suppliers
- 12.4.3 Bargaining Power of Buyers
- 12.4.4 Threat of Substitutes
- 12.4.5 Competitive Rivalry

## **13 RAW MATERIAL AND INDUSTRY CHAIN**

- 13.1 Raw Material of Radiation Detector and Key Manufacturers
- 13.2 Manufacturing Costs Percentage of Radiation Detector
- 13.3 Radiation Detector Production Process
- 13.4 Industry Value Chain Analysis

## **14 SHIPMENTS BY DISTRIBUTION CHANNEL**

- 14.1 Sales Channel
  - 14.1.1 Direct to End-User
  - 14.1.2 Distributors
- 14.2 Radiation Detector Typical Distributors
- 14.3 Radiation Detector Typical Customers

## **15 RESEARCH FINDINGS AND CONCLUSION**

## **16 APPENDIX**

- 16.1 Methodology
- 16.2 Research Process and Data Source
- 16.3 Disclaimer

## **LIST OF TABLES**

- Table 1. Global Radiation Detector Consumption Value by Type, (USD Million), 2019 & 2023 & 2030
- Table 2. Global Radiation Detector Consumption Value by Application, (USD Million), 2019 & 2023 & 2030
- Table 3. MIRION Basic Information, Manufacturing Base and Competitors
- Table 4. MIRION Major Business
- Table 5. MIRION Radiation Detector Product and Services
- Table 6. MIRION Radiation Detector Sales Quantity (K Units), Average Price

(USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 7. MIRION Recent Developments/Updates

Table 8. AMETEK (Ortec) Basic Information, Manufacturing Base and Competitors

Table 9. AMETEK (Ortec) Major Business

Table 10. AMETEK (Ortec) Radiation Detector Product and Services

Table 11. AMETEK (Ortec) Radiation Detector Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 12. AMETEK (Ortec) Recent Developments/Updates

Table 13. ThermoFisher Basic Information, Manufacturing Base and Competitors

Table 14. ThermoFisher Major Business

Table 15. ThermoFisher Radiation Detector Product and Services

Table 16. ThermoFisher Radiation Detector Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 17. ThermoFisher Recent Developments/Updates

Table 18. Fuji Electric Basic Information, Manufacturing Base and Competitors

Table 19. Fuji Electric Major Business

Table 20. Fuji Electric Radiation Detector Product and Services

Table 21. Fuji Electric Radiation Detector Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 22. Fuji Electric Recent Developments/Updates

Table 23. Leidos Basic Information, Manufacturing Base and Competitors

Table 24. Leidos Major Business

Table 25. Leidos Radiation Detector Product and Services

Table 26. Leidos Radiation Detector Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 27. Leidos Recent Developments/Updates

Table 28. NuSAFE Basic Information, Manufacturing Base and Competitors

Table 29. NuSAFE Major Business

Table 30. NuSAFE Radiation Detector Product and Services

Table 31. NuSAFE Radiation Detector Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 32. NuSAFE Recent Developments/Updates

Table 33. Coliy Basic Information, Manufacturing Base and Competitors

Table 34. Coliy Major Business

Table 35. Coliy Radiation Detector Product and Services

Table 36. Coliy Radiation Detector Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 37. Coliy Recent Developments/Updates

Table 38. Ecotest Basic Information, Manufacturing Base and Competitors

Table 39. Ecotest Major Business

Table 40. Ecotest Radiation Detector Product and Services

Table 41. Ecotest Radiation Detector Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 42. Ecotest Recent Developments/Updates

Table 43. CIRNIC Basic Information, Manufacturing Base and Competitors

Table 44. CIRNIC Major Business

Table 45. CIRNIC Radiation Detector Product and Services

Table 46. CIRNIC Radiation Detector Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 47. CIRNIC Recent Developments/Updates

Table 48. CSIC Basic Information, Manufacturing Base and Competitors

Table 49. CSIC Major Business

Table 50. CSIC Radiation Detector Product and Services

Table 51. CSIC Radiation Detector Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 52. CSIC Recent Developments/Updates

Table 53. Hoton Basic Information, Manufacturing Base and Competitors

Table 54. Hoton Major Business

Table 55. Hoton Radiation Detector Product and Services

Table 56. Hoton Radiation Detector Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 57. Hoton Recent Developments/Updates

Table 58. Weifeng Nuclear Instrument Basic Information, Manufacturing Base and Competitors

Table 59. Weifeng Nuclear Instrument Major Business

Table 60. Weifeng Nuclear Instrument Radiation Detector Product and Services

Table 61. Weifeng Nuclear Instrument Radiation Detector Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 62. Weifeng Nuclear Instrument Recent Developments/Updates

Table 63. SimmaxTechnology Basic Information, Manufacturing Base and Competitors

Table 64. SimmaxTechnology Major Business

Table 65. SimmaxTechnology Radiation Detector Product and Services

Table 66. SimmaxTechnology Radiation Detector Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 67. SimmaxTechnology Recent Developments/Updates

Table 68. Zhongke Nuclear Safety Basic Information, Manufacturing Base and Competitors

- Table 69. Zhongke Nuclear Safety Major Business
- Table 70. Zhongke Nuclear Safety Radiation Detector Product and Services
- Table 71. Zhongke Nuclear Safety Radiation Detector Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 72. Zhongke Nuclear Safety Recent Developments/Updates
- Table 73. Global Radiation Detector Sales Quantity by Manufacturer (2019-2024) & (K Units)
- Table 74. Global Radiation Detector Revenue by Manufacturer (2019-2024) & (USD Million)
- Table 75. Global Radiation Detector Average Price by Manufacturer (2019-2024) & (USD/Unit)
- Table 76. Market Position of Manufacturers in Radiation Detector, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2023
- Table 77. Head Office and Radiation Detector Production Site of Key Manufacturer
- Table 78. Radiation Detector Market: Company Product Type Footprint
- Table 79. Radiation Detector Market: Company Product Application Footprint
- Table 80. Radiation Detector New Market Entrants and Barriers to Market Entry
- Table 81. Radiation Detector Mergers, Acquisition, Agreements, and Collaborations
- Table 82. Global Radiation Detector Consumption Value by Region (2019-2023-2030) & (USD Million) & CAGR
- Table 83. Global Radiation Detector Sales Quantity by Region (2019-2024) & (K Units)
- Table 84. Global Radiation Detector Sales Quantity by Region (2025-2030) & (K Units)
- Table 85. Global Radiation Detector Consumption Value by Region (2019-2024) & (USD Million)
- Table 86. Global Radiation Detector Consumption Value by Region (2025-2030) & (USD Million)
- Table 87. Global Radiation Detector Average Price by Region (2019-2024) & (USD/Unit)
- Table 88. Global Radiation Detector Average Price by Region (2025-2030) & (USD/Unit)
- Table 89. Global Radiation Detector Sales Quantity by Type (2019-2024) & (K Units)
- Table 90. Global Radiation Detector Sales Quantity by Type (2025-2030) & (K Units)
- Table 91. Global Radiation Detector Consumption Value by Type (2019-2024) & (USD Million)
- Table 92. Global Radiation Detector Consumption Value by Type (2025-2030) & (USD Million)
- Table 93. Global Radiation Detector Average Price by Type (2019-2024) & (USD/Unit)
- Table 94. Global Radiation Detector Average Price by Type (2025-2030) & (USD/Unit)
- Table 95. Global Radiation Detector Sales Quantity by Application (2019-2024) & (K

Units)

Table 96. Global Radiation Detector Sales Quantity by Application (2025-2030) & (K Units)

Table 97. Global Radiation Detector Consumption Value by Application (2019-2024) & (USD Million)

Table 98. Global Radiation Detector Consumption Value by Application (2025-2030) & (USD Million)

Table 99. Global Radiation Detector Average Price by Application (2019-2024) & (USD/Unit)

Table 100. Global Radiation Detector Average Price by Application (2025-2030) & (USD/Unit)

Table 101. North America Radiation Detector Sales Quantity byType (2019-2024) & (K Units)

Table 102. North America Radiation Detector Sales Quantity byType (2025-2030) & (K Units)

Table 103. North America Radiation Detector Sales Quantity by Application (2019-2024) & (K Units)

Table 104. North America Radiation Detector Sales Quantity by Application (2025-2030) & (K Units)

Table 105. North America Radiation Detector Sales Quantity by Country (2019-2024) & (K Units)

Table 106. North America Radiation Detector Sales Quantity by Country (2025-2030) & (K Units)

Table 107. North America Radiation Detector Consumption Value by Country (2019-2024) & (USD Million)

Table 108. North America Radiation Detector Consumption Value by Country (2025-2030) & (USD Million)

Table 109. Europe Radiation Detector Sales Quantity byType (2019-2024) & (K Units)

Table 110. Europe Radiation Detector Sales Quantity byType (2025-2030) & (K Units)

Table 111. Europe Radiation Detector Sales Quantity by Application (2019-2024) & (K Units)

Table 112. Europe Radiation Detector Sales Quantity by Application (2025-2030) & (K Units)

Table 113. Europe Radiation Detector Sales Quantity by Country (2019-2024) & (K Units)

Table 114. Europe Radiation Detector Sales Quantity by Country (2025-2030) & (K Units)

Table 115. Europe Radiation Detector Consumption Value by Country (2019-2024) & (USD Million)



Table 116. Europe Radiation Detector Consumption Value by Country (2025-2030) & (USD Million)

Table 117. Asia-Pacific Radiation Detector Sales Quantity byType (2019-2024) & (K Units)

Table 118. Asia-Pacific Radiation Detector Sales Quantity byType (2025-2030) & (K Units)

Table 119. Asia-Pacific Radiation Detector Sales Quantity by Application (2019-2024) & (K Units)

Table 120. Asia-Pacific Radiation Detector Sales Quantity by Application (2025-2030) & (K Units)

Table 121. Asia-Pacific Radiation Detector Sales Quantity by Region (2019-2024) & (K Units)

Table 122. Asia-Pacific Radiation Detector Sales Quantity by Region (2025-2030) & (K Units)

Table 123. Asia-Pacific Radiation Detector Consumption Value by Region (2019-2024) & (USD Million)

Table 124. Asia-Pacific Radiation Detector Consumption Value by Region (2025-2030) & (USD Million)

Table 125. South America Radiation Detector Sales Quantity byType (2019-2024) & (K Units)

Table 126. South America Radiation Detector Sales Quantity byType (2025-2030) & (K Units)

Table 127. South America Radiation Detector Sales Quantity by Application (2019-2024) & (K Units)

Table 128. South America Radiation Detector Sales Quantity by Application (2025-2030) & (K Units)

Table 129. South America Radiation Detector Sales Quantity by Country (2019-2024) & (K Units)

Table 130. South America Radiation Detector Sales Quantity by Country (2025-2030) & (K Units)

Table 131. South America Radiation Detector Consumption Value by Country (2019-2024) & (USD Million)

Table 132. South America Radiation Detector Consumption Value by Country (2025-2030) & (USD Million)

Table 133. Middle East & Africa Radiation Detector Sales Quantity byType (2019-2024) & (K Units)

Table 134. Middle East & Africa Radiation Detector Sales Quantity byType (2025-2030) & (K Units)

Table 135. Middle East & Africa Radiation Detector Sales Quantity by Application

(2019-2024) & (K Units)

Table 136. Middle East & Africa Radiation Detector Sales Quantity by Application

(2025-2030) & (K Units)

Table 137. Middle East & Africa Radiation Detector Sales Quantity by Country

(2019-2024) & (K Units)

Table 138. Middle East & Africa Radiation Detector Sales Quantity by Country

(2025-2030) & (K Units)

Table 139. Middle East & Africa Radiation Detector Consumption Value by Country

(2019-2024) & (USD Million)

Table 140. Middle East & Africa Radiation Detector Consumption Value by Country

(2025-2030) & (USD Million)

Table 141. Radiation Detector Raw Material

Table 142. Key Manufacturers of Radiation Detector Raw Materials

Table 143. Radiation Detector Typical Distributors

Table 144. Radiation Detector Typical Customers

## **LIST OFFIGURES**

Figure 1. Radiation Detector Picture

Figure 2. Global Radiation Detector Revenue byType, (USD Million), 2019 & 2023 & 2030

Figure 3. Global Radiation Detector Revenue Market Share byType in 2023

Figure 4. Gas Ionization Detectors Examples

Figure 5. Semiconductor Detectors Examples

Figure 6. Scintillation Detectors Examples

Figure 7. Global Radiation Detector Consumption Value by Application, (USD Million), 2019 & 2023 & 2030

Figure 8. Global Radiation Detector Revenue Market Share by Application in 2023

Figure 9. Neutron Scattering Examples

Figure 10. Environmental Examples

Figure 11. Homeland Security Examples

Figure 12. Industrial Gauging Examples

Figure 13. Others Examples

Figure 14. Global Radiation Detector Consumption Value, (USD Million): 2019 & 2023 & 2030

Figure 15. Global Radiation Detector Consumption Value andForecast (2019-2030) & (USD Million)

- Figure 16. Global Radiation Detector Sales Quantity (2019-2030) & (K Units)
- Figure 17. Global Radiation Detector Price (2019-2030) & (USD/Unit)
- Figure 18. Global Radiation Detector Sales Quantity Market Share by Manufacturer in 2023
- Figure 19. Global Radiation Detector Revenue Market Share by Manufacturer in 2023
- Figure 20. Producer Shipments of Radiation Detector by Manufacturer Sales (\$MM) and Market Share (%): 2023
- Figure 21. Top 3 Radiation Detector Manufacturer (Revenue) Market Share in 2023
- Figure 22. Top 6 Radiation Detector Manufacturer (Revenue) Market Share in 2023
- Figure 23. Global Radiation Detector Sales Quantity Market Share by Region (2019-2030)
- Figure 24. Global Radiation Detector Consumption Value Market Share by Region (2019-2030)
- Figure 25. North America Radiation Detector Consumption Value (2019-2030) & (USD Million)
- Figure 26. Europe Radiation Detector Consumption Value (2019-2030) & (USD Million)
- Figure 27. Asia-Pacific Radiation Detector Consumption Value (2019-2030) & (USD Million)
- Figure 28. South America Radiation Detector Consumption Value (2019-2030) & (USD Million)
- Figure 29. Middle East & Africa Radiation Detector Consumption Value (2019-2030) & (USD Million)
- Figure 30. Global Radiation Detector Sales Quantity Market Share by Type (2019-2030)
- Figure 31. Global Radiation Detector Consumption Value Market Share by Type (2019-2030)
- Figure 32. Global Radiation Detector Average Price by Type (2019-2030) & (USD/Unit)
- Figure 33. Global Radiation Detector Sales Quantity Market Share by Application (2019-2030)
- Figure 34. Global Radiation Detector Revenue Market Share by Application (2019-2030)
- Figure 35. Global Radiation Detector Average Price by Application (2019-2030) & (USD/Unit)
- Figure 36. North America Radiation Detector Sales Quantity Market Share by Type (2019-2030)
- Figure 37. North America Radiation Detector Sales Quantity Market Share by Application (2019-2030)
- Figure 38. North America Radiation Detector Sales Quantity Market Share by Country (2019-2030)
- Figure 39. North America Radiation Detector Consumption Value Market Share by

Country (2019-2030)

Figure 40. United States Radiation Detector Consumption Value (2019-2030) & (USD Million)

Figure 41. Canada Radiation Detector Consumption Value (2019-2030) & (USD Million)

Figure 42. Mexico Radiation Detector Consumption Value (2019-2030) & (USD Million)

Figure 43. Europe Radiation Detector Sales Quantity Market Share byType (2019-2030)

Figure 44. Europe Radiation Detector Sales Quantity Market Share by Application (2019-2030)

Figure 45. Europe Radiation Detector Sales Quantity Market Share by Country (2019-2030)

Figure 46. Europe Radiation Detector Consumption Value Market Share by Country (2019-2030)

Figure 47. Germany Radiation Detector Consumption Value (2019-2030) & (USD Million)

Figure 48. France Radiation Detector Consumption Value (2019-2030) & (USD Million)

Figure 49. United Kingdom Radiation Detector Consumption Value (2019-2030) & (USD Million)

Figure 50. Russia Radiation Detector Consumption Value (2019-2030) & (USD Million)

Figure 51. Italy Radiation Detector Consumption Value (2019-2030) & (USD Million)

Figure 52. Asia-Pacific Radiation Detector Sales Quantity Market Share byType (2019-2030)

Figure 53. Asia-Pacific Radiation Detector Sales Quantity Market Share by Application (2019-2030)

Figure 54. Asia-Pacific Radiation Detector Sales Quantity Market Share by Region (2019-2030)

Figure 55. Asia-Pacific Radiation Detector Consumption Value Market Share by Region (2019-2030)

Figure 56. China Radiation Detector Consumption Value (2019-2030) & (USD Million)

Figure 57. Japan Radiation Detector Consumption Value (2019-2030) & (USD Million)

Figure 58. South Korea Radiation Detector Consumption Value (2019-2030) & (USD Million)

Figure 59. India Radiation Detector Consumption Value (2019-2030) & (USD Million)

Figure 60. Southeast Asia Radiation Detector Consumption Value (2019-2030) & (USD Million)

Figure 61. Australia Radiation Detector Consumption Value (2019-2030) & (USD Million)

Figure 62. South America Radiation Detector Sales Quantity Market Share byType (2019-2030)

Figure 63. South America Radiation Detector Sales Quantity Market Share by

Application (2019-2030)

Figure 64. South America Radiation Detector Sales Quantity Market Share by Country (2019-2030)

Figure 65. South America Radiation Detector Consumption Value Market Share by Country (2019-2030)

Figure 66. Brazil Radiation Detector Consumption Value (2019-2030) & (USD Million)

Figure 67. Argentina Radiation Detector Consumption Value (2019-2030) & (USD Million)

Figure 68. Middle East & Africa Radiation Detector Sales Quantity Market Share by Type (2019-2030)

Figure 69. Middle East & Africa Radiation Detector Sales Quantity Market Share by Application (2019-2030)

Figure 70. Middle East & Africa Radiation Detector Sales Quantity Market Share by Country (2019-2030)

Figure 71. Middle East & Africa Radiation Detector Consumption Value Market Share by Country (2019-2030)

Figure 72. Turkey Radiation Detector Consumption Value (2019-2030) & (USD Million)

Figure 73. Egypt Radiation Detector Consumption Value (2019-2030) & (USD Million)

Figure 74. Saudi Arabia Radiation Detector Consumption Value (2019-2030) & (USD Million)

Figure 75. South Africa Radiation Detector Consumption Value (2019-2030) & (USD Million)

Figure 76. Radiation Detector Market Drivers

Figure 77. Radiation Detector Market Restraints

Figure 78. Radiation Detector Market Trends

Figure 79. Porters Five Forces Analysis

Figure 80. Manufacturing Cost Structure Analysis of Radiation Detector in 2023

Figure 81. Manufacturing Process Analysis of Radiation Detector

Figure 82. Radiation Detector Industrial Chain

Figure 83. Sales Channel: Direct to End-User vs Distributors

Figure 84. Direct Channel Pros & Cons

Figure 85. Indirect Channel Pros & Cons

Figure 86. Methodology

Figure 87. Research Process and Data Source

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