

# Global Metal Packaging Vanadium Oxide Infrared Detectors Market Growth 2024-2030

<https://marketpublishers.com/r/GCC13713560EEN.html>

Date: June 2024

Pages: 88

Price: US\$ 3,660.00 (Single User License)

ID: GCC13713560EEN

## Abstracts

The report requires updating with new data and is sent in 48 hours after order is placed.

Vanadium oxide (VOx) infrared detectors are devices used for detecting infrared radiation based on the properties of vanadium oxide material. These detectors operate in the mid-wave infrared (MWIR) and long-wave infrared (LWIR) regions of the electromagnetic spectrum.

**Material Properties:** Vanadium oxide exhibits a property known as metal-insulator transition, which means its electrical conductivity can change dramatically in response to temperature variations. This property makes vanadium oxide sensitive to infrared radiation.

**Detection Principle:** When infrared radiation strikes the vanadium oxide material, it causes localized heating, which alters its conductivity. This change in conductivity is proportional to the intensity of the incident infrared radiation. By measuring this change, the presence and intensity of infrared radiation can be detected and quantified.

**Structure:** VOx infrared detectors are often fabricated as thin films or layers of vanadium oxide deposited onto a substrate, such as silicon or sapphire. These thin films are typically patterned into pixels to create an array of detectors for imaging applications.

**Operation:** In operation, the vanadium oxide material is usually maintained at a specific temperature, either by passive cooling or active temperature control. This ensures that the material is in a state where it can detect infrared radiation effectively.

**Applications:** VOx infrared detectors find applications in various fields, including thermal

imaging, night vision, surveillance, industrial process monitoring, and gas detection. They are particularly useful in applications requiring high sensitivity, fast response times, and the ability to operate at room temperature or higher.

The global Metal Packaging Vanadium Oxide Infrared Detectors market size is projected to grow from US\$ 400 million in 2024 to US\$ 431 million in 2030; it is expected to grow at a CAGR of 1.2% from 2024 to 2030.

LP Information, Inc. (LPI) ' newest research report, the "Metal Packaging Vanadium Oxide Infrared Detectors Industry Forecast" looks at past sales and reviews total world Metal Packaging Vanadium Oxide Infrared Detectors sales in 2023, providing a comprehensive analysis by region and market sector of projected Metal Packaging Vanadium Oxide Infrared Detectors sales for 2024 through 2030. With Metal Packaging Vanadium Oxide Infrared Detectors sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Metal Packaging Vanadium Oxide Infrared Detectors industry.

This Insight Report provides a comprehensive analysis of the global Metal Packaging Vanadium Oxide Infrared Detectors landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Metal Packaging Vanadium Oxide Infrared Detectors portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Metal Packaging Vanadium Oxide Infrared Detectors market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Metal Packaging Vanadium Oxide Infrared Detectors and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Metal Packaging Vanadium Oxide Infrared Detectors.

United States market for Metal Packaging Vanadium Oxide Infrared Detectors is estimated to increase from US\$ million in 2023 to US\$ million by 2030, at a CAGR of % from 2024 through 2030.

China market for Metal Packaging Vanadium Oxide Infrared Detectors is estimated to

increase from US\$ million in 2023 to US\$ million by 2030, at a CAGR of % from 2024 through 2030.

Europe market for Metal Packaging Vanadium Oxide Infrared Detectors is estimated to increase from US\$ million in 2023 to US\$ million by 2030, at a CAGR of % from 2024 through 2030.

Global key Metal Packaging Vanadium Oxide Infrared Detectors players cover Teledyne FLIR, Raytron Technology, Wuhan Guide Infrared, BAE Systems, Leonardo DRS, etc. In terms of revenue, the global two largest companies occupied for a share nearly

% in 2023.

This report presents a comprehensive overview, market shares, and growth opportunities of Metal Packaging Vanadium Oxide Infrared Detectors market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

12  $\mu$ m

17  $\mu$ m

Segmentation by Application:

Civilian

Military

This report also splits the market 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

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Teledyne FLIR

Raytron Technology

Wuhan Guide Infrared

BAE Systems

Leonardo DRS

Semi Conductor Devices (SCD)

Zhejiang Dali Technology

North Guangwei Technology

Beijing Fjr Optoelectronic Technology

## Key Questions Addressed in this Report

What is the 10-year outlook for the global Metal Packaging Vanadium Oxide Infrared Detectors market?

What factors are driving Metal Packaging Vanadium Oxide Infrared Detectors market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Metal Packaging Vanadium Oxide Infrared Detectors market opportunities vary by end market size?

How does Metal Packaging Vanadium Oxide Infrared Detectors break out by Type, by Application?

## 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
- 1.8 Market Estimation Caveats

### 2 EXECUTIVE SUMMARY

#### 2.1 World Market Overview

2.1.1 Global Metal Packaging Vanadium Oxide Infrared Detectors Annual Sales 2019-2030

2.1.2 World Current & Future Analysis for Metal Packaging Vanadium Oxide Infrared Detectors by Geographic Region, 2019, 2023 & 2030

2.1.3 World Current & Future Analysis for Metal Packaging Vanadium Oxide Infrared Detectors by Country/Region, 2019, 2023 & 2030

#### 2.2 Metal Packaging Vanadium Oxide Infrared Detectors Segment by Type

2.2.1 12  $\mu\text{m}$

2.2.2 17  $\mu\text{m}$

#### 2.3 Metal Packaging Vanadium Oxide Infrared Detectors Sales by Type

2.3.1 Global Metal Packaging Vanadium Oxide Infrared Detectors Sales Market Share by Type (2019-2024)

2.3.2 Global Metal Packaging Vanadium Oxide Infrared Detectors Revenue and Market Share by Type (2019-2024)

2.3.3 Global Metal Packaging Vanadium Oxide Infrared Detectors Sale Price by Type (2019-2024)

#### 2.4 Metal Packaging Vanadium Oxide Infrared Detectors Segment by Application

2.4.1 Civilian

2.4.2 Military

#### 2.5 Metal Packaging Vanadium Oxide Infrared Detectors Sales by Application

2.5.1 Global Metal Packaging Vanadium Oxide Infrared Detectors Sale Market Share by Application (2019-2024)

2.5.2 Global Metal Packaging Vanadium Oxide Infrared Detectors Revenue and

Market Share by Application (2019-2024)

2.5.3 Global Metal Packaging Vanadium Oxide Infrared Detectors Sale Price by Application (2019-2024)

### **3 GLOBAL BY COMPANY**

3.1 Global Metal Packaging Vanadium Oxide Infrared Detectors Breakdown Data by Company

3.1.1 Global Metal Packaging Vanadium Oxide Infrared Detectors Annual Sales by Company (2019-2024)

3.1.2 Global Metal Packaging Vanadium Oxide Infrared Detectors Sales Market Share by Company (2019-2024)

3.2 Global Metal Packaging Vanadium Oxide Infrared Detectors Annual Revenue by Company (2019-2024)

3.2.1 Global Metal Packaging Vanadium Oxide Infrared Detectors Revenue by Company (2019-2024)

3.2.2 Global Metal Packaging Vanadium Oxide Infrared Detectors Revenue Market Share by Company (2019-2024)

3.3 Global Metal Packaging Vanadium Oxide Infrared Detectors Sale Price by Company

3.4 Key Manufacturers Metal Packaging Vanadium Oxide Infrared Detectors Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers Metal Packaging Vanadium Oxide Infrared Detectors Product Location Distribution

3.4.2 Players Metal Packaging Vanadium Oxide Infrared Detectors Products Offered

3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2019-2024)

3.6 New Products and Potential Entrants

3.7 Market M&A Activity & Strategy

### **4 WORLD HISTORIC REVIEW FOR METAL PACKAGING VANADIUM OXIDE INFRARED DETECTORS BY GEOGRAPHIC REGION**

4.1 World Historic Metal Packaging Vanadium Oxide Infrared Detectors Market Size by Geographic Region (2019-2024)

4.1.1 Global Metal Packaging Vanadium Oxide Infrared Detectors Annual Sales by Geographic Region (2019-2024)

4.1.2 Global Metal Packaging Vanadium Oxide Infrared Detectors Annual Revenue by Geographic Region (2019-2024)



4.2 World Historic Metal Packaging Vanadium Oxide Infrared Detectors Market Size by Country/Region (2019-2024)

4.2.1 Global Metal Packaging Vanadium Oxide Infrared Detectors Annual Sales by Country/Region (2019-2024)

4.2.2 Global Metal Packaging Vanadium Oxide Infrared Detectors Annual Revenue by Country/Region (2019-2024)

4.3 Americas Metal Packaging Vanadium Oxide Infrared Detectors Sales Growth

4.4 APAC Metal Packaging Vanadium Oxide Infrared Detectors Sales Growth

4.5 Europe Metal Packaging Vanadium Oxide Infrared Detectors Sales Growth

4.6 Middle East & Africa Metal Packaging Vanadium Oxide Infrared Detectors Sales Growth

## **5 AMERICAS**

5.1 Americas Metal Packaging Vanadium Oxide Infrared Detectors Sales by Country

5.1.1 Americas Metal Packaging Vanadium Oxide Infrared Detectors Sales by Country (2019-2024)

5.1.2 Americas Metal Packaging Vanadium Oxide Infrared Detectors Revenue by Country (2019-2024)

5.2 Americas Metal Packaging Vanadium Oxide Infrared Detectors Sales by Type (2019-2024)

5.3 Americas Metal Packaging Vanadium Oxide Infrared Detectors Sales by Application (2019-2024)

5.4 United States

5.5 Canada

5.6 Mexico

5.7 Brazil

## **6 APAC**

6.1 APAC Metal Packaging Vanadium Oxide Infrared Detectors Sales by Region

6.1.1 APAC Metal Packaging Vanadium Oxide Infrared Detectors Sales by Region (2019-2024)

6.1.2 APAC Metal Packaging Vanadium Oxide Infrared Detectors Revenue by Region (2019-2024)

6.2 APAC Metal Packaging Vanadium Oxide Infrared Detectors Sales by Type (2019-2024)

6.3 APAC Metal Packaging Vanadium Oxide Infrared Detectors Sales by Application (2019-2024)

- 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 Metal Packaging Vanadium Oxide Infrared Detectors by Country
  - 7.1.1 Europe Metal Packaging Vanadium Oxide Infrared Detectors Sales by Country (2019-2024)
  - 7.1.2 Europe Metal Packaging Vanadium Oxide Infrared Detectors Revenue by Country (2019-2024)
- 7.2 Europe Metal Packaging Vanadium Oxide Infrared Detectors Sales by Type (2019-2024)
- 7.3 Europe Metal Packaging Vanadium Oxide Infrared Detectors Sales by Application (2019-2024)
- 7.4 Germany
- 7.5 France
- 7.6 UK
- 7.7 Italy
- 7.8 Russia

## **8 MIDDLE EAST & AFRICA**

- 8.1 Middle East & Africa Metal Packaging Vanadium Oxide Infrared Detectors by Country
  - 8.1.1 Middle East & Africa Metal Packaging Vanadium Oxide Infrared Detectors Sales by Country (2019-2024)
  - 8.1.2 Middle East & Africa Metal Packaging Vanadium Oxide Infrared Detectors Revenue by Country (2019-2024)
- 8.2 Middle East & Africa Metal Packaging Vanadium Oxide Infrared Detectors Sales by Type (2019-2024)
- 8.3 Middle East & Africa Metal Packaging Vanadium Oxide Infrared Detectors Sales by Application (2019-2024)
- 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 Metal Packaging Vanadium Oxide Infrared Detectors

10.3 Manufacturing Process Analysis of Metal Packaging Vanadium Oxide Infrared Detectors

10.4 Industry Chain Structure of Metal Packaging Vanadium Oxide Infrared Detectors

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

11.1 Sales Channel

11.1.1 Direct Channels

11.1.2 Indirect Channels

11.2 Metal Packaging Vanadium Oxide Infrared Detectors Distributors

11.3 Metal Packaging Vanadium Oxide Infrared Detectors Customer

## **12 WORLD FORECAST REVIEW FOR METAL PACKAGING VANADIUM OXIDE INFRARED DETECTORS BY GEOGRAPHIC REGION**

12.1 Global Metal Packaging Vanadium Oxide Infrared Detectors Market Size Forecast by Region

12.1.1 Global Metal Packaging Vanadium Oxide Infrared Detectors Forecast by Region (2025-2030)

12.1.2 Global Metal Packaging Vanadium Oxide Infrared Detectors Annual Revenue Forecast by Region (2025-2030)

12.2 Americas Forecast by Country (2025-2030)

12.3 APAC Forecast by Region (2025-2030)

12.4 Europe Forecast by Country (2025-2030)

12.5 Middle East & Africa Forecast by Country (2025-2030)

12.6 Global Metal Packaging Vanadium Oxide Infrared Detectors Forecast by Type (2025-2030)

12.7 Global Metal Packaging Vanadium Oxide Infrared Detectors Forecast by Application (2025-2030)

## **13 KEY PLAYERS ANALYSIS**

13.1 Teledyne FLIR

13.1.1 Teledyne FLIR Company Information

13.1.2 Teledyne FLIR Metal Packaging Vanadium Oxide Infrared Detectors Product Portfolios and Specifications

13.1.3 Teledyne FLIR Metal Packaging Vanadium Oxide Infrared Detectors Sales, Revenue, Price and Gross Margin (2019-2024)

13.1.4 Teledyne FLIR Main Business Overview

13.1.5 Teledyne FLIR Latest Developments

13.2 Raytron Technology

13.2.1 Raytron Technology Company Information

13.2.2 Raytron Technology Metal Packaging Vanadium Oxide Infrared Detectors Product Portfolios and Specifications

13.2.3 Raytron Technology Metal Packaging Vanadium Oxide Infrared Detectors Sales, Revenue, Price and Gross Margin (2019-2024)

13.2.4 Raytron Technology Main Business Overview

13.2.5 Raytron Technology Latest Developments

13.3 Wuhan Guide Infrared

13.3.1 Wuhan Guide Infrared Company Information

13.3.2 Wuhan Guide Infrared Metal Packaging Vanadium Oxide Infrared Detectors Product Portfolios and Specifications

13.3.3 Wuhan Guide Infrared Metal Packaging Vanadium Oxide Infrared Detectors Sales, Revenue, Price and Gross Margin (2019-2024)

13.3.4 Wuhan Guide Infrared Main Business Overview

13.3.5 Wuhan Guide Infrared Latest Developments

13.4 BAE Systems

13.4.1 BAE Systems Company Information

13.4.2 BAE Systems Metal Packaging Vanadium Oxide Infrared Detectors Product Portfolios and Specifications

13.4.3 BAE Systems Metal Packaging Vanadium Oxide Infrared Detectors Sales, Revenue, Price and Gross Margin (2019-2024)

13.4.4 BAE Systems Main Business Overview

- 13.4.5 BAE Systems Latest Developments
- 13.5 Leonardo DRS
  - 13.5.1 Leonardo DRS Company Information
  - 13.5.2 Leonardo DRS Metal Packaging Vanadium Oxide Infrared Detectors Product Portfolios and Specifications
  - 13.5.3 Leonardo DRS Metal Packaging Vanadium Oxide Infrared Detectors Sales, Revenue, Price and Gross Margin (2019-2024)
  - 13.5.4 Leonardo DRS Main Business Overview
  - 13.5.5 Leonardo DRS Latest Developments
- 13.6 Semi Conductor Devices (SCD)
  - 13.6.1 Semi Conductor Devices (SCD) Company Information
  - 13.6.2 Semi Conductor Devices (SCD) Metal Packaging Vanadium Oxide Infrared Detectors Product Portfolios and Specifications
  - 13.6.3 Semi Conductor Devices (SCD) Metal Packaging Vanadium Oxide Infrared Detectors Sales, Revenue, Price and Gross Margin (2019-2024)
  - 13.6.4 Semi Conductor Devices (SCD) Main Business Overview
  - 13.6.5 Semi Conductor Devices (SCD) Latest Developments
- 13.7 Zhejiang Dali Technology
  - 13.7.1 Zhejiang Dali Technology Company Information
  - 13.7.2 Zhejiang Dali Technology Metal Packaging Vanadium Oxide Infrared Detectors Product Portfolios and Specifications
  - 13.7.3 Zhejiang Dali Technology Metal Packaging Vanadium Oxide Infrared Detectors Sales, Revenue, Price and Gross Margin (2019-2024)
  - 13.7.4 Zhejiang Dali Technology Main Business Overview
  - 13.7.5 Zhejiang Dali Technology Latest Developments
- 13.8 North Guangwei Technology
  - 13.8.1 North Guangwei Technology Company Information
  - 13.8.2 North Guangwei Technology Metal Packaging Vanadium Oxide Infrared Detectors Product Portfolios and Specifications
  - 13.8.3 North Guangwei Technology Metal Packaging Vanadium Oxide Infrared Detectors Sales, Revenue, Price and Gross Margin (2019-2024)
  - 13.8.4 North Guangwei Technology Main Business Overview
  - 13.8.5 North Guangwei Technology Latest Developments
- 13.9 Beijing Fjr Optoelectronic Technology
  - 13.9.1 Beijing Fjr Optoelectronic Technology Company Information
  - 13.9.2 Beijing Fjr Optoelectronic Technology Metal Packaging Vanadium Oxide Infrared Detectors Product Portfolios and Specifications
  - 13.9.3 Beijing Fjr Optoelectronic Technology Metal Packaging Vanadium Oxide Infrared Detectors Sales, Revenue, Price and Gross Margin (2019-2024)

13.9.4 Beijing Fjr Optoelectronic Technology Main Business Overview

13.9.5 Beijing Fjr Optoelectronic Technology Latest Developments

## **14 RESEARCH FINDINGS AND CONCLUSION**

## List Of Tables

### LIST OF TABLES

Table 1. Metal Packaging Vanadium Oxide Infrared Detectors Annual Sales CAGR by Geographic Region (2019, 2023 & 2030) & (\$ millions)

Table 2. Metal Packaging Vanadium Oxide Infrared Detectors Annual Sales CAGR by Country/Region (2019, 2023 & 2030) & (\$ millions)

Table 3. Major Players of 12  $\mu\text{m}$

Table 4. Major Players of 17  $\mu\text{m}$

Table 5. Global Metal Packaging Vanadium Oxide Infrared Detectors Sales by Type (2019-2024) & (K Units)

Table 6. Global Metal Packaging Vanadium Oxide Infrared Detectors Sales Market Share by Type (2019-2024)

Table 7. Global Metal Packaging Vanadium Oxide Infrared Detectors Revenue by Type (2019-2024) & (\$ million)

Table 8. Global Metal Packaging Vanadium Oxide Infrared Detectors Revenue Market Share by Type (2019-2024)

Table 9. Global Metal Packaging Vanadium Oxide Infrared Detectors Sale Price by Type (2019-2024) & (US\$/Unit)

Table 10. Global Metal Packaging Vanadium Oxide Infrared Detectors Sale by Application (2019-2024) & (K Units)

Table 11. Global Metal Packaging Vanadium Oxide Infrared Detectors Sale Market Share by Application (2019-2024)

Table 12. Global Metal Packaging Vanadium Oxide Infrared Detectors Revenue by Application (2019-2024) & (\$ million)

Table 13. Global Metal Packaging Vanadium Oxide Infrared Detectors Revenue Market Share by Application (2019-2024)

Table 14. Global Metal Packaging Vanadium Oxide Infrared Detectors Sale Price by Application (2019-2024) & (US\$/Unit)

Table 15. Global Metal Packaging Vanadium Oxide Infrared Detectors Sales by Company (2019-2024) & (K Units)

Table 16. Global Metal Packaging Vanadium Oxide Infrared Detectors Sales Market Share by Company (2019-2024)

Table 17. Global Metal Packaging Vanadium Oxide Infrared Detectors Revenue by Company (2019-2024) & (\$ millions)

Table 18. Global Metal Packaging Vanadium Oxide Infrared Detectors Revenue Market Share by Company (2019-2024)

Table 19. Global Metal Packaging Vanadium Oxide Infrared Detectors Sale Price by



Company (2019-2024) & (US\$/Unit)

Table 20. Key Manufacturers Metal Packaging Vanadium Oxide Infrared Detectors Producing Area Distribution and Sales Area

Table 21. Players Metal Packaging Vanadium Oxide Infrared Detectors Products Offered

Table 22. Metal Packaging Vanadium Oxide Infrared Detectors Concentration Ratio (CR3, CR5 and CR10) & (2019-2024)

Table 23. New Products and Potential Entrants

Table 24. Market M&A Activity & Strategy

Table 25. Global Metal Packaging Vanadium Oxide Infrared Detectors Sales by Geographic Region (2019-2024) & (K Units)

Table 26. Global Metal Packaging Vanadium Oxide Infrared Detectors Sales Market Share Geographic Region (2019-2024)

Table 27. Global Metal Packaging Vanadium Oxide Infrared Detectors Revenue by Geographic Region (2019-2024) & (\$ millions)

Table 28. Global Metal Packaging Vanadium Oxide Infrared Detectors Revenue Market Share by Geographic Region (2019-2024)

Table 29. Global Metal Packaging Vanadium Oxide Infrared Detectors Sales by Country/Region (2019-2024) & (K Units)

Table 30. Global Metal Packaging Vanadium Oxide Infrared Detectors Sales Market Share by Country/Region (2019-2024)

Table 31. Global Metal Packaging Vanadium Oxide Infrared Detectors Revenue by Country/Region (2019-2024) & (\$ millions)

Table 32. Global Metal Packaging Vanadium Oxide Infrared Detectors Revenue Market Share by Country/Region (2019-2024)

Table 33. Americas Metal Packaging Vanadium Oxide Infrared Detectors Sales by Country (2019-2024) & (K Units)

Table 34. Americas Metal Packaging Vanadium Oxide Infrared Detectors Sales Market Share by Country (2019-2024)

Table 35. Americas Metal Packaging Vanadium Oxide Infrared Detectors Revenue by Country (2019-2024) & (\$ millions)

Table 36. Americas Metal Packaging Vanadium Oxide Infrared Detectors Sales by Type (2019-2024) & (K Units)

Table 37. Americas Metal Packaging Vanadium Oxide Infrared Detectors Sales by Application (2019-2024) & (K Units)

Table 38. APAC Metal Packaging Vanadium Oxide Infrared Detectors Sales by Region (2019-2024) & (K Units)

Table 39. APAC Metal Packaging Vanadium Oxide Infrared Detectors Sales Market Share by Region (2019-2024)



Table 40. APAC Metal Packaging Vanadium Oxide Infrared Detectors Revenue by Region (2019-2024) & (\$ millions)

Table 41. APAC Metal Packaging Vanadium Oxide Infrared Detectors Sales by Type (2019-2024) & (K Units)

Table 42. APAC Metal Packaging Vanadium Oxide Infrared Detectors Sales by Application (2019-2024) & (K Units)

Table 43. Europe Metal Packaging Vanadium Oxide Infrared Detectors Sales by Country (2019-2024) & (K Units)

Table 44. Europe Metal Packaging Vanadium Oxide Infrared Detectors Revenue by Country (2019-2024) & (\$ millions)

Table 45. Europe Metal Packaging Vanadium Oxide Infrared Detectors Sales by Type (2019-2024) & (K Units)

Table 46. Europe Metal Packaging Vanadium Oxide Infrared Detectors Sales by Application (2019-2024) & (K Units)

Table 47. Middle East & Africa Metal Packaging Vanadium Oxide Infrared Detectors Sales by Country (2019-2024) & (K Units)

Table 48. Middle East & Africa Metal Packaging Vanadium Oxide Infrared Detectors Revenue Market Share by Country (2019-2024)

Table 49. Middle East & Africa Metal Packaging Vanadium Oxide Infrared Detectors Sales by Type (2019-2024) & (K Units)

Table 50. Middle East & Africa Metal Packaging Vanadium Oxide Infrared Detectors Sales by Application (2019-2024) & (K Units)

Table 51. Key Market Drivers & Growth Opportunities of Metal Packaging Vanadium Oxide Infrared Detectors

Table 52. Key Market Challenges & Risks of Metal Packaging Vanadium Oxide Infrared Detectors

Table 53. Key Industry Trends of Metal Packaging Vanadium Oxide Infrared Detectors

Table 54. Metal Packaging Vanadium Oxide Infrared Detectors Raw Material

Table 55. Key Suppliers of Raw Materials

Table 56. Metal Packaging Vanadium Oxide Infrared Detectors Distributors List

Table 57. Metal Packaging Vanadium Oxide Infrared Detectors Customer List

Table 58. Global Metal Packaging Vanadium Oxide Infrared Detectors Sales Forecast by Region (2025-2030) & (K Units)

Table 59. Global Metal Packaging Vanadium Oxide Infrared Detectors Revenue Forecast by Region (2025-2030) & (\$ millions)

Table 60. Americas Metal Packaging Vanadium Oxide Infrared Detectors Sales Forecast by Country (2025-2030) & (K Units)

Table 61. Americas Metal Packaging Vanadium Oxide Infrared Detectors Annual Revenue Forecast by Country (2025-2030) & (\$ millions)

Table 62. APAC Metal Packaging Vanadium Oxide Infrared Detectors Sales Forecast by Region (2025-2030) & (K Units)

Table 63. APAC Metal Packaging Vanadium Oxide Infrared Detectors Annual Revenue Forecast by Region (2025-2030) & (\$ millions)

Table 64. Europe Metal Packaging Vanadium Oxide Infrared Detectors Sales Forecast by Country (2025-2030) & (K Units)

Table 65. Europe Metal Packaging Vanadium Oxide Infrared Detectors Revenue Forecast by Country (2025-2030) & (\$ millions)

Table 66. Middle East & Africa Metal Packaging Vanadium Oxide Infrared Detectors Sales Forecast by Country (2025-2030) & (K Units)

Table 67. Middle East & Africa Metal Packaging Vanadium Oxide Infrared Detectors Revenue Forecast by Country (2025-2030) & (\$ millions)

Table 68. Global Metal Packaging Vanadium Oxide Infrared Detectors Sales Forecast by Type (2025-2030) & (K Units)

Table 69. Global Metal Packaging Vanadium Oxide Infrared Detectors Revenue Forecast by Type (2025-2030) & (\$ millions)

Table 70. Global Metal Packaging Vanadium Oxide Infrared Detectors Sales Forecast by Application (2025-2030) & (K Units)

Table 71. Global Metal Packaging Vanadium Oxide Infrared Detectors Revenue Forecast by Application (2025-2030) & (\$ millions)

Table 72. Teledyne FLIR Basic Information, Metal Packaging Vanadium Oxide Infrared Detectors Manufacturing Base, Sales Area and Its Competitors

Table 73. Teledyne FLIR Metal Packaging Vanadium Oxide Infrared Detectors Product Portfolios and Specifications

Table 74. Teledyne FLIR Metal Packaging Vanadium Oxide Infrared Detectors Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 75. Teledyne FLIR Main Business

Table 76. Teledyne FLIR Latest Developments

Table 77. Raytron Technology Basic Information, Metal Packaging Vanadium Oxide Infrared Detectors Manufacturing Base, Sales Area and Its Competitors

Table 78. Raytron Technology Metal Packaging Vanadium Oxide Infrared Detectors Product Portfolios and Specifications

Table 79. Raytron Technology Metal Packaging Vanadium Oxide Infrared Detectors Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 80. Raytron Technology Main Business

Table 81. Raytron Technology Latest Developments

Table 82. Wuhan Guide Infrared Basic Information, Metal Packaging Vanadium Oxide Infrared Detectors Manufacturing Base, Sales Area and Its Competitors

Table 83. Wuhan Guide Infrared Metal Packaging Vanadium Oxide Infrared Detectors

## Product Portfolios and Specifications

Table 84. Wuhan Guide Infrared Metal Packaging Vanadium Oxide Infrared Detectors Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 85. Wuhan Guide Infrared Main Business

Table 86. Wuhan Guide Infrared Latest Developments

Table 87. BAE Systems Basic Information, Metal Packaging Vanadium Oxide Infrared Detectors Manufacturing Base, Sales Area and Its Competitors

Table 88. BAE Systems Metal Packaging Vanadium Oxide Infrared Detectors Product Portfolios and Specifications

Table 89. BAE Systems Metal Packaging Vanadium Oxide Infrared Detectors Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 90. BAE Systems Main Business

Table 91. BAE Systems Latest Developments

Table 92. Leonardo DRS Basic Information, Metal Packaging Vanadium Oxide Infrared Detectors Manufacturing Base, Sales Area and Its Competitors

Table 93. Leonardo DRS Metal Packaging Vanadium Oxide Infrared Detectors Product Portfolios and Specifications

Table 94. Leonardo DRS Metal Packaging Vanadium Oxide Infrared Detectors Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 95. Leonardo DRS Main Business

Table 96. Leonardo DRS Latest Developments

Table 97. Semi Conductor Devices (SCD) Basic Information, Metal Packaging Vanadium Oxide Infrared Detectors Manufacturing Base, Sales Area and Its Competitors

Table 98. Semi Conductor Devices (SCD) Metal Packaging Vanadium Oxide Infrared Detectors Product Portfolios and Specifications

Table 99. Semi Conductor Devices (SCD) Metal Packaging Vanadium Oxide Infrared Detectors Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 100. Semi Conductor Devices (SCD) Main Business

Table 101. Semi Conductor Devices (SCD) Latest Developments

Table 102. Zhejiang Dali Technology Basic Information, Metal Packaging Vanadium Oxide Infrared Detectors Manufacturing Base, Sales Area and Its Competitors

Table 103. Zhejiang Dali Technology Metal Packaging Vanadium Oxide Infrared Detectors Product Portfolios and Specifications

Table 104. Zhejiang Dali Technology Metal Packaging Vanadium Oxide Infrared Detectors Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 105. Zhejiang Dali Technology Main Business

Table 106. Zhejiang Dali Technology Latest Developments

Table 107. North Guangwei Technology Basic Information, Metal Packaging Vanadium Oxide Infrared Detectors Manufacturing Base, Sales Area and Its Competitors

Table 108. North Guangwei Technology Metal Packaging Vanadium Oxide Infrared Detectors Product Portfolios and Specifications

Table 109. North Guangwei Technology Metal Packaging Vanadium Oxide Infrared Detectors Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 110. North Guangwei Technology Main Business

Table 111. North Guangwei Technology Latest Developments

Table 112. Beijing Fjr Optoelectronic Technology Basic Information, Metal Packaging Vanadium Oxide Infrared Detectors Manufacturing Base, Sales Area and Its Competitors

Table 113. Beijing Fjr Optoelectronic Technology Metal Packaging Vanadium Oxide Infrared Detectors Product Portfolios and Specifications

Table 114. Beijing Fjr Optoelectronic Technology Metal Packaging Vanadium Oxide Infrared Detectors Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 115. Beijing Fjr Optoelectronic Technology Main Business

Table 116. Beijing Fjr Optoelectronic Technology Latest Developments

## List Of Figures

### LIST OF FIGURES

Figure 1. Picture of Metal Packaging Vanadium Oxide Infrared Detectors

Figure 2. Metal Packaging Vanadium Oxide Infrared Detectors Report Years Considered

Figure 3. Research Objectives

Figure 4. Research Methodology

Figure 5. Research Process and Data Source

Figure 6. Global Metal Packaging Vanadium Oxide Infrared Detectors Sales Growth Rate 2019-2030 (K Units)

Figure 7. Global Metal Packaging Vanadium Oxide Infrared Detectors Revenue Growth Rate 2019-2030 (\$ millions)

Figure 8. Metal Packaging Vanadium Oxide Infrared Detectors Sales by Geographic Region (2019, 2023 & 2030) & (\$ millions)

Figure 9. Metal Packaging Vanadium Oxide Infrared Detectors Sales Market Share by Country/Region (2023)

Figure 10. Metal Packaging Vanadium Oxide Infrared Detectors Sales Market Share by Country/Region (2019, 2023 & 2030)

Figure 11. Product Picture of 12  $\mu\text{m}$

Figure 12. Product Picture of 17  $\mu\text{m}$

Figure 13. Global Metal Packaging Vanadium Oxide Infrared Detectors Sales Market Share by Type in 2023

Figure 14. Global Metal Packaging Vanadium Oxide Infrared Detectors Revenue Market Share by Type (2019-2024)

Figure 15. Metal Packaging Vanadium Oxide Infrared Detectors Consumed in Civilian

Figure 16. Global Metal Packaging Vanadium Oxide Infrared Detectors Market: Civilian (2019-2024) & (K Units)

Figure 17. Metal Packaging Vanadium Oxide Infrared Detectors Consumed in Military

Figure 18. Global Metal Packaging Vanadium Oxide Infrared Detectors Market: Military (2019-2024) & (K Units)

Figure 19. Global Metal Packaging Vanadium Oxide Infrared Detectors Sale Market Share by Application (2023)

Figure 20. Global Metal Packaging Vanadium Oxide Infrared Detectors Revenue Market Share by Application in 2023

Figure 21. Metal Packaging Vanadium Oxide Infrared Detectors Sales by Company in 2023 (K Units)

Figure 22. Global Metal Packaging Vanadium Oxide Infrared Detectors Sales Market



Share by Company in 2023

Figure 23. Metal Packaging Vanadium Oxide Infrared Detectors Revenue by Company in 2023 (\$ millions)

Figure 24. Global Metal Packaging Vanadium Oxide Infrared Detectors Revenue Market Share by Company in 2023

Figure 25. Global Metal Packaging Vanadium Oxide Infrared Detectors Sales Market Share by Geographic Region (2019-2024)

Figure 26. Global Metal Packaging Vanadium Oxide Infrared Detectors Revenue Market Share by Geographic Region in 2023

Figure 27. Americas Metal Packaging Vanadium Oxide Infrared Detectors Sales 2019-2024 (K Units)

Figure 28. Americas Metal Packaging Vanadium Oxide Infrared Detectors Revenue 2019-2024 (\$ millions)

Figure 29. APAC Metal Packaging Vanadium Oxide Infrared Detectors Sales 2019-2024 (K Units)

Figure 30. APAC Metal Packaging Vanadium Oxide Infrared Detectors Revenue 2019-2024 (\$ millions)

Figure 31. Europe Metal Packaging Vanadium Oxide Infrared Detectors Sales 2019-2024 (K Units)

Figure 32. Europe Metal Packaging Vanadium Oxide Infrared Detectors Revenue 2019-2024 (\$ millions)

Figure 33. Middle East & Africa Metal Packaging Vanadium Oxide Infrared Detectors Sales 2019-2024 (K Units)

Figure 34. Middle East & Africa Metal Packaging Vanadium Oxide Infrared Detectors Revenue 2019-2024 (\$ millions)

Figure 35. Americas Metal Packaging Vanadium Oxide Infrared Detectors Sales Market Share by Country in 2023

Figure 36. Americas Metal Packaging Vanadium Oxide Infrared Detectors Revenue Market Share by Country (2019-2024)

Figure 37. Americas Metal Packaging Vanadium Oxide Infrared Detectors Sales Market Share by Type (2019-2024)

Figure 38. Americas Metal Packaging Vanadium Oxide Infrared Detectors Sales Market Share by Application (2019-2024)

Figure 39. United States Metal Packaging Vanadium Oxide Infrared Detectors Revenue Growth 2019-2024 (\$ millions)

Figure 40. Canada Metal Packaging Vanadium Oxide Infrared Detectors Revenue Growth 2019-2024 (\$ millions)

Figure 41. Mexico Metal Packaging Vanadium Oxide Infrared Detectors Revenue Growth 2019-2024 (\$ millions)

Figure 42. Brazil Metal Packaging Vanadium Oxide Infrared Detectors Revenue Growth 2019-2024 (\$ millions)

Figure 43. APAC Metal Packaging Vanadium Oxide Infrared Detectors Sales Market Share by Region in 2023

Figure 44. APAC Metal Packaging Vanadium Oxide Infrared Detectors Revenue Market Share by Region (2019-2024)

Figure 45. APAC Metal Packaging Vanadium Oxide Infrared Detectors Sales Market Share by Type (2019-2024)

Figure 46. APAC Metal Packaging Vanadium Oxide Infrared Detectors Sales Market Share by Application (2019-2024)

Figure 47. China Metal Packaging Vanadium Oxide Infrared Detectors Revenue Growth 2019-2024 (\$ millions)

Figure 48. Japan Metal Packaging Vanadium Oxide Infrared Detectors Revenue Growth 2019-2024 (\$ millions)

Figure 49. South Korea Metal Packaging Vanadium Oxide Infrared Detectors Revenue Growth 2019-2024 (\$ millions)

Figure 50. Southeast Asia Metal Packaging Vanadium Oxide Infrared Detectors Revenue Growth 2019-2024 (\$ millions)

Figure 51. India Metal Packaging Vanadium Oxide Infrared Detectors Revenue Growth 2019-2024 (\$ millions)

Figure 52. Australia Metal Packaging Vanadium Oxide Infrared Detectors Revenue Growth 2019-2024 (\$ millions)

Figure 53. China Taiwan Metal Packaging Vanadium Oxide Infrared Detectors Revenue Growth 2019-2024 (\$ millions)

Figure 54. Europe Metal Packaging Vanadium Oxide Infrared Detectors Sales Market Share by Country in 2023

Figure 55. Europe Metal Packaging Vanadium Oxide Infrared Detectors Revenue Market Share by Country (2019-2024)

Figure 56. Europe Metal Packaging Vanadium Oxide Infrared Detectors Sales Market Share by Type (2019-2024)

Figure 57. Europe Metal Packaging Vanadium Oxide Infrared Detectors Sales Market Share by Application (2019-2024)

Figure 58. Germany Metal Packaging Vanadium Oxide Infrared Detectors Revenue Growth 2019-2024 (\$ millions)

Figure 59. France Metal Packaging Vanadium Oxide Infrared Detectors Revenue Growth 2019-2024 (\$ millions)

Figure 60. UK Metal Packaging Vanadium Oxide Infrared Detectors Revenue Growth 2019-2024 (\$ millions)

Figure 61. Italy Metal Packaging Vanadium Oxide Infrared Detectors Revenue Growth

2019-2024 (\$ millions)

Figure 62. Russia Metal Packaging Vanadium Oxide Infrared Detectors Revenue

Growth 2019-2024 (\$ millions)

Figure 63. Middle East & Africa Metal Packaging Vanadium Oxide Infrared Detectors Sales Market Share by Country (2019-2024)

Figure 64. Middle East & Africa Metal Packaging Vanadium Oxide Infrared Detectors Sales Market Share by Type (2019-2024)

Figure 65. Middle East & Africa Metal Packaging Vanadium Oxide Infrared Detectors Sales Market Share by Application (2019-2024)

Figure 66. Egypt Metal Packaging Vanadium Oxide Infrared Detectors Revenue Growth 2019-2024 (\$ millions)

Figure 67. South Africa Metal Packaging Vanadium Oxide Infrared Detectors Revenue Growth 2019-2024 (\$ millions)

Figure 68. Israel Metal Packaging Vanadium Oxide Infrared Detectors Revenue Growth 2019-2024 (\$ millions)

Figure 69. Turkey Metal Packaging Vanadium Oxide Infrared Detectors Revenue Growth 2019-2024 (\$ millions)

Figure 70. GCC Countries Metal Packaging Vanadium Oxide Infrared Detectors Revenue Growth 2019-2024 (\$ millions)

Figure 71. Manufacturing Cost Structure Analysis of Metal Packaging Vanadium Oxide Infrared Detectors in 2023

Figure 72. Manufacturing Process Analysis of Metal Packaging Vanadium Oxide Infrared Detectors

Figure 73. Industry Chain Structure of Metal Packaging Vanadium Oxide Infrared Detectors

Figure 74. Channels of Distribution

Figure 75. Global Metal Packaging Vanadium Oxide Infrared Detectors Sales Market Forecast by Region (2025-2030)

Figure 76. Global Metal Packaging Vanadium Oxide Infrared Detectors Revenue Market Share Forecast by Region (2025-2030)

Figure 77. Global Metal Packaging Vanadium Oxide Infrared Detectors Sales Market Share Forecast by Type (2025-2030)

Figure 78. Global Metal Packaging Vanadium Oxide Infrared Detectors Revenue Market Share Forecast by Type (2025-2030)

Figure 79. Global Metal Packaging Vanadium Oxide Infrared Detectors Sales Market Share Forecast by Application (2025-2030)

Figure 80. Global Metal Packaging Vanadium Oxide Infrared Detectors Revenue Market Share Forecast by Application (2025-2030)



## I would like to order

Product name: Global Metal Packaging Vanadium Oxide Infrared Detectors Market Growth 2024-2030

Product link: <https://marketpublishers.com/r/GCC13713560EEN.html>

Price: US\$ 3,660.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GCC13713560EEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970