

Global II-VI Compound Semiconductor Market Growth 2025-2031

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Abstracts

The global II-VI Compound Semiconductor market size is predicted to grow from US\$ million in 2025 to US\$ million in 2031; it is expected to grow at a CAGR of % from 2025 to 2031.

The impact of the latest U.S. tariff measures and the corresponding policy responses from countries worldwide on market competitiveness, regional economic performance, and supply chain configurations will be comprehensively evaluated in this report.

Following a strong growth of 26.2 percent in the year 2021, WSTS revised it down to a single digit growth for the worldwide semiconductor market in 2022 with a total size of US\$580 billion, up 4.4 percent. WSTS lowered growth estimation as inflation rises and end markets seeing weaker demand, especially those exposed to consumer spending. While some major categories are still double-digit year-over-year growth in 2022, led by Analog with 20.8 percent, Sensors with 16.3 percent, and Logic with 14.5 percent growth. Memory declined with 12.6 percent year over year. In 2022, all geographical regions showed double-digit growth except Asia Pacific. The largest region, Asia Pacific, declined 2.0 percent. Sales in the Americas were US\$142.1 billion, up 17.0% year-on-year, sales in Europe were US\$53.8 billion, up 12.6% year-on-year, and sales in Japan were US\$48.1 billion, up 10.0% year-on-year. However, sales in the largest Asia-Pacific region were US\$336.2 billion, down 2.0% year-on-year.

LP Information, Inc. (LPI) ' newest research report, the "II-VI Compound Semiconductor Industry Forecast" looks at past sales and reviews total world II-VI Compound Semiconductor sales in 2024, providing a comprehensive analysis by region and market sector of projected II-VI Compound Semiconductor sales for 2025 through 2031. With II-VI Compound Semiconductor sales broken down by region, market sector and sub-

sector, this report provides a detailed analysis in US\$ millions of the world II-VI Compound Semiconductor industry.

This Insight Report provides a comprehensive analysis of the global II-VI Compound Semiconductor 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 II-VI Compound Semiconductor portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global II-VI Compound Semiconductor market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for II-VI Compound Semiconductor 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 II-VI Compound Semiconductor.

This report presents a comprehensive overview, market shares, and growth opportunities of II-VI Compound Semiconductor market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Deposition Technology:CVD

Deposition Technology:MBE

Deposition Technology:HVPE

Deposition Technology:MOVPE

Deposition Technology:LPE

Segmentation by Application:

Electronics

Aerospace

Others

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.

Cree

International Quantum Epitaxy

Free scale Semiconductor

LM Ericsson Telefon

Taiwan Semiconductor Manufacturing Company

Key Questions Addressed in this Report

What is the 10-year outlook for the global II-VI Compound Semiconductor market?

What factors are driving II-VI Compound Semiconductor market growth, globally and by region?

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

How do II-VI Compound Semiconductor market opportunities vary by end market size?

How does II-VI Compound Semiconductor 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 II-VI Compound Semiconductor Annual Sales 2020-2031
 - 2.1.2 World Current & Future Analysis for II-VI Compound Semiconductor by Geographic Region, 2020, 2024 & 2031
 - 2.1.3 World Current & Future Analysis for II-VI Compound Semiconductor by Country/Region, 2020, 2024 & 2031
- 2.2 II-VI Compound Semiconductor Segment by Type
 - 2.2.1 Deposition Technology:CVD
 - 2.2.2 Deposition Technology:MBE
 - 2.2.3 Deposition Technology:HVPE
 - 2.2.4 Deposition Technology:MOVPE
 - 2.2.5 Deposition Technology:LPE
- 2.3 II-VI Compound Semiconductor Sales by Type
 - 2.3.1 Global II-VI Compound Semiconductor Sales Market Share by Type (2020-2025)
 - 2.3.2 Global II-VI Compound Semiconductor Revenue and Market Share by Type (2020-2025)
 - 2.3.3 Global II-VI Compound Semiconductor Sale Price by Type (2020-2025)
- 2.4 II-VI Compound Semiconductor Segment by Application
 - 2.4.1 Electronics
 - 2.4.2 Aerospace
 - 2.4.3 Others
- 2.5 II-VI Compound Semiconductor Sales by Application
 - 2.5.1 Global II-VI Compound Semiconductor Sale Market Share by Application (2020-2025)

2.5.2 Global II-VI Compound Semiconductor Revenue and Market Share by Application (2020-2025)

2.5.3 Global II-VI Compound Semiconductor Sale Price by Application (2020-2025)

3 GLOBAL BY COMPANY

3.1 Global II-VI Compound Semiconductor Breakdown Data by Company

3.1.1 Global II-VI Compound Semiconductor Annual Sales by Company (2020-2025)

3.1.2 Global II-VI Compound Semiconductor Sales Market Share by Company (2020-2025)

3.2 Global II-VI Compound Semiconductor Annual Revenue by Company (2020-2025)

3.2.1 Global II-VI Compound Semiconductor Revenue by Company (2020-2025)

3.2.2 Global II-VI Compound Semiconductor Revenue Market Share by Company (2020-2025)

3.3 Global II-VI Compound Semiconductor Sale Price by Company

3.4 Key Manufacturers II-VI Compound Semiconductor Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers II-VI Compound Semiconductor Product Location Distribution

3.4.2 Players II-VI Compound Semiconductor Products Offered

3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2023-2025)

3.6 New Products and Potential Entrants

3.7 Market M&A Activity & Strategy

4 WORLD HISTORIC REVIEW FOR II-VI COMPOUND SEMICONDUCTOR BY GEOGRAPHIC REGION

4.1 World Historic II-VI Compound Semiconductor Market Size by Geographic Region (2020-2025)

4.1.1 Global II-VI Compound Semiconductor Annual Sales by Geographic Region (2020-2025)

4.1.2 Global II-VI Compound Semiconductor Annual Revenue by Geographic Region (2020-2025)

4.2 World Historic II-VI Compound Semiconductor Market Size by Country/Region (2020-2025)

4.2.1 Global II-VI Compound Semiconductor Annual Sales by Country/Region (2020-2025)

4.2.2 Global II-VI Compound Semiconductor Annual Revenue by Country/Region

(2020-2025)

4.3 Americas II-VI Compound Semiconductor Sales Growth

4.4 APAC II-VI Compound Semiconductor Sales Growth

4.5 Europe II-VI Compound Semiconductor Sales Growth

4.6 Middle East & Africa II-VI Compound Semiconductor Sales Growth

5 AMERICAS

5.1 Americas II-VI Compound Semiconductor Sales by Country

5.1.1 Americas II-VI Compound Semiconductor Sales by Country (2020-2025)

5.1.2 Americas II-VI Compound Semiconductor Revenue by Country (2020-2025)

5.2 Americas II-VI Compound Semiconductor Sales by Type (2020-2025)

5.3 Americas II-VI Compound Semiconductor Sales by Application (2020-2025)

5.4 United States

5.5 Canada

5.6 Mexico

5.7 Brazil

6 APAC

6.1 APAC II-VI Compound Semiconductor Sales by Region

6.1.1 APAC II-VI Compound Semiconductor Sales by Region (2020-2025)

6.1.2 APAC II-VI Compound Semiconductor Revenue by Region (2020-2025)

6.2 APAC II-VI Compound Semiconductor Sales by Type (2020-2025)

6.3 APAC II-VI Compound Semiconductor Sales by Application (2020-2025)

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 II-VI Compound Semiconductor by Country

7.1.1 Europe II-VI Compound Semiconductor Sales by Country (2020-2025)

7.1.2 Europe II-VI Compound Semiconductor Revenue by Country (2020-2025)

7.2 Europe II-VI Compound Semiconductor Sales by Type (2020-2025)

7.3 Europe II-VI Compound Semiconductor Sales by Application (2020-2025)

7.4 Germany

7.5 France

7.6 UK

7.7 Italy

7.8 Russia

8 MIDDLE EAST & AFRICA

8.1 Middle East & Africa II-VI Compound Semiconductor by Country

8.1.1 Middle East & Africa II-VI Compound Semiconductor Sales by Country (2020-2025)

8.1.2 Middle East & Africa II-VI Compound Semiconductor Revenue by Country (2020-2025)

8.2 Middle East & Africa II-VI Compound Semiconductor Sales by Type (2020-2025)

8.3 Middle East & Africa II-VI Compound Semiconductor Sales by Application (2020-2025)

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 II-VI Compound Semiconductor

10.3 Manufacturing Process Analysis of II-VI Compound Semiconductor

10.4 Industry Chain Structure of II-VI Compound Semiconductor

11 MARKETING, DISTRIBUTORS AND CUSTOMER

11.1 Sales Channel

- 11.1.1 Direct Channels
- 11.1.2 Indirect Channels
- 11.2 II-VI Compound Semiconductor Distributors
- 11.3 II-VI Compound Semiconductor Customer

12 WORLD FORECAST REVIEW FOR II-VI COMPOUND SEMICONDUCTOR BY GEOGRAPHIC REGION

- 12.1 Global II-VI Compound Semiconductor Market Size Forecast by Region
 - 12.1.1 Global II-VI Compound Semiconductor Forecast by Region (2026-2031)
 - 12.1.2 Global II-VI Compound Semiconductor Annual Revenue Forecast by Region (2026-2031)
- 12.2 Americas Forecast by Country (2026-2031)
- 12.3 APAC Forecast by Region (2026-2031)
- 12.4 Europe Forecast by Country (2026-2031)
- 12.5 Middle East & Africa Forecast by Country (2026-2031)
- 12.6 Global II-VI Compound Semiconductor Forecast by Type (2026-2031)
- 12.7 Global II-VI Compound Semiconductor Forecast by Application (2026-2031)

13 KEY PLAYERS ANALYSIS

- 13.1 Cree
 - 13.1.1 Cree Company Information
 - 13.1.2 Cree II-VI Compound Semiconductor Product Portfolios and Specifications
 - 13.1.3 Cree II-VI Compound Semiconductor Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.1.4 Cree Main Business Overview
 - 13.1.5 Cree Latest Developments
- 13.2 International Quantum Epitaxy
 - 13.2.1 International Quantum Epitaxy Company Information
 - 13.2.2 International Quantum Epitaxy II-VI Compound Semiconductor Product Portfolios and Specifications
 - 13.2.3 International Quantum Epitaxy II-VI Compound Semiconductor Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.2.4 International Quantum Epitaxy Main Business Overview
 - 13.2.5 International Quantum Epitaxy Latest Developments
- 13.3 Free scale Semiconductor
 - 13.3.1 Free scale Semiconductor Company Information
 - 13.3.2 Free scale Semiconductor II-VI Compound Semiconductor Product Portfolios

and Specifications

13.3.3 Free scale Semiconductor II-VI Compound Semiconductor Sales, Revenue, Price and Gross Margin (2020-2025)

13.3.4 Free scale Semiconductor Main Business Overview

13.3.5 Free scale Semiconductor Latest Developments

13.4 LM Ericsson Telefon

13.4.1 LM Ericsson Telefon Company Information

13.4.2 LM Ericsson Telefon II-VI Compound Semiconductor Product Portfolios and Specifications

13.4.3 LM Ericsson Telefon II-VI Compound Semiconductor Sales, Revenue, Price and Gross Margin (2020-2025)

13.4.4 LM Ericsson Telefon Main Business Overview

13.4.5 LM Ericsson Telefon Latest Developments

13.5 Taiwan Semiconductor Manufacturing Company

13.5.1 Taiwan Semiconductor Manufacturing Company Company Information

13.5.2 Taiwan Semiconductor Manufacturing Company II-VI Compound Semiconductor Product Portfolios and Specifications

13.5.3 Taiwan Semiconductor Manufacturing Company II-VI Compound Semiconductor Sales, Revenue, Price and Gross Margin (2020-2025)

13.5.4 Taiwan Semiconductor Manufacturing Company Main Business Overview

13.5.5 Taiwan Semiconductor Manufacturing Company Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

Table 1. II-VI Compound Semiconductor Annual Sales CAGR by Geographic Region (2020, 2024 & 2031) & (\$ millions)

Table 2. II-VI Compound Semiconductor Annual Sales CAGR by Country/Region (2020, 2024 & 2031) & (\$ millions)

Table 3. Major Players of Deposition Technology:CVD

Table 4. Major Players of Deposition Technology:MBE

Table 5. Major Players of Deposition Technology:HVPE

Table 6. Major Players of Deposition Technology:MOVPE

Table 7. Major Players of Deposition Technology:LPE

Table 8. Global II-VI Compound Semiconductor Sales by Type (2020-2025) & (MT)

Table 9. Global II-VI Compound Semiconductor Sales Market Share by Type (2020-2025)

Table 10. Global II-VI Compound Semiconductor Revenue by Type (2020-2025) & (\$ million)

Table 11. Global II-VI Compound Semiconductor Revenue Market Share by Type (2020-2025)

Table 12. Global II-VI Compound Semiconductor Sale Price by Type (2020-2025) & (USD/MT)

Table 13. Global II-VI Compound Semiconductor Sale by Application (2020-2025) & (MT)

Table 14. Global II-VI Compound Semiconductor Sale Market Share by Application (2020-2025)

Table 15. Global II-VI Compound Semiconductor Revenue by Application (2020-2025) & (\$ million)

Table 16. Global II-VI Compound Semiconductor Revenue Market Share by Application (2020-2025)

Table 17. Global II-VI Compound Semiconductor Sale Price by Application (2020-2025) & (USD/MT)

Table 18. Global II-VI Compound Semiconductor Sales by Company (2020-2025) & (MT)

Table 19. Global II-VI Compound Semiconductor Sales Market Share by Company (2020-2025)

Table 20. Global II-VI Compound Semiconductor Revenue by Company (2020-2025) & (\$ millions)

Table 21. Global II-VI Compound Semiconductor Revenue Market Share by Company

(2020-2025)

Table 22. Global II-VI Compound Semiconductor Sale Price by Company (2020-2025) & (USD/MT)

Table 23. Key Manufacturers II-VI Compound Semiconductor Producing Area Distribution and Sales Area

Table 24. Players II-VI Compound Semiconductor Products Offered

Table 25. II-VI Compound Semiconductor Concentration Ratio (CR3, CR5 and CR10) & (2023-2025)

Table 26. New Products and Potential Entrants

Table 27. Market M&A Activity & Strategy

Table 28. Global II-VI Compound Semiconductor Sales by Geographic Region (2020-2025) & (MT)

Table 29. Global II-VI Compound Semiconductor Sales Market Share Geographic Region (2020-2025)

Table 30. Global II-VI Compound Semiconductor Revenue by Geographic Region (2020-2025) & (\$ millions)

Table 31. Global II-VI Compound Semiconductor Revenue Market Share by Geographic Region (2020-2025)

Table 32. Global II-VI Compound Semiconductor Sales by Country/Region (2020-2025) & (MT)

Table 33. Global II-VI Compound Semiconductor Sales Market Share by Country/Region (2020-2025)

Table 34. Global II-VI Compound Semiconductor Revenue by Country/Region (2020-2025) & (\$ millions)

Table 35. Global II-VI Compound Semiconductor Revenue Market Share by Country/Region (2020-2025)

Table 36. Americas II-VI Compound Semiconductor Sales by Country (2020-2025) & (MT)

Table 37. Americas II-VI Compound Semiconductor Sales Market Share by Country (2020-2025)

Table 38. Americas II-VI Compound Semiconductor Revenue by Country (2020-2025) & (\$ millions)

Table 39. Americas II-VI Compound Semiconductor Sales by Type (2020-2025) & (MT)

Table 40. Americas II-VI Compound Semiconductor Sales by Application (2020-2025) & (MT)

Table 41. APAC II-VI Compound Semiconductor Sales by Region (2020-2025) & (MT)

Table 42. APAC II-VI Compound Semiconductor Sales Market Share by Region (2020-2025)

Table 43. APAC II-VI Compound Semiconductor Revenue by Region (2020-2025) & (\$

millions)

Table 44. APAC II-VI Compound Semiconductor Sales by Type (2020-2025) & (MT)

Table 45. APAC II-VI Compound Semiconductor Sales by Application (2020-2025) & (MT)

Table 46. Europe II-VI Compound Semiconductor Sales by Country (2020-2025) & (MT)

Table 47. Europe II-VI Compound Semiconductor Revenue by Country (2020-2025) & (\$ millions)

Table 48. Europe II-VI Compound Semiconductor Sales by Type (2020-2025) & (MT)

Table 49. Europe II-VI Compound Semiconductor Sales by Application (2020-2025) & (MT)

Table 50. Middle East & Africa II-VI Compound Semiconductor Sales by Country (2020-2025) & (MT)

Table 51. Middle East & Africa II-VI Compound Semiconductor Revenue Market Share by Country (2020-2025)

Table 52. Middle East & Africa II-VI Compound Semiconductor Sales by Type (2020-2025) & (MT)

Table 53. Middle East & Africa II-VI Compound Semiconductor Sales by Application (2020-2025) & (MT)

Table 54. Key Market Drivers & Growth Opportunities of II-VI Compound Semiconductor

Table 55. Key Market Challenges & Risks of II-VI Compound Semiconductor

Table 56. Key Industry Trends of II-VI Compound Semiconductor

Table 57. II-VI Compound Semiconductor Raw Material

Table 58. Key Suppliers of Raw Materials

Table 59. II-VI Compound Semiconductor Distributors List

Table 60. II-VI Compound Semiconductor Customer List

Table 61. Global II-VI Compound Semiconductor Sales Forecast by Region (2026-2031) & (MT)

Table 62. Global II-VI Compound Semiconductor Revenue Forecast by Region (2026-2031) & (\$ millions)

Table 63. Americas II-VI Compound Semiconductor Sales Forecast by Country (2026-2031) & (MT)

Table 64. Americas II-VI Compound Semiconductor Annual Revenue Forecast by Country (2026-2031) & (\$ millions)

Table 65. APAC II-VI Compound Semiconductor Sales Forecast by Region (2026-2031) & (MT)

Table 66. APAC II-VI Compound Semiconductor Annual Revenue Forecast by Region (2026-2031) & (\$ millions)

Table 67. Europe II-VI Compound Semiconductor Sales Forecast by Country (2026-2031) & (MT)

Table 68. Europe II-VI Compound Semiconductor Revenue Forecast by Country (2026-2031) & (\$ millions)

Table 69. Middle East & Africa II-VI Compound Semiconductor Sales Forecast by Country (2026-2031) & (MT)

Table 70. Middle East & Africa II-VI Compound Semiconductor Revenue Forecast by Country (2026-2031) & (\$ millions)

Table 71. Global II-VI Compound Semiconductor Sales Forecast by Type (2026-2031) & (MT)

Table 72. Global II-VI Compound Semiconductor Revenue Forecast by Type (2026-2031) & (\$ millions)

Table 73. Global II-VI Compound Semiconductor Sales Forecast by Application (2026-2031) & (MT)

Table 74. Global II-VI Compound Semiconductor Revenue Forecast by Application (2026-2031) & (\$ millions)

Table 75. Cree Basic Information, II-VI Compound Semiconductor Manufacturing Base, Sales Area and Its Competitors

Table 76. Cree II-VI Compound Semiconductor Product Portfolios and Specifications

Table 77. Cree II-VI Compound Semiconductor Sales (MT), Revenue (\$ Million), Price (USD/MT) and Gross Margin (2020-2025)

Table 78. Cree Main Business

Table 79. Cree Latest Developments

Table 80. International Quantum Epitaxy Basic Information, II-VI Compound Semiconductor Manufacturing Base, Sales Area and Its Competitors

Table 81. International Quantum Epitaxy II-VI Compound Semiconductor Product Portfolios and Specifications

Table 82. International Quantum Epitaxy II-VI Compound Semiconductor Sales (MT), Revenue (\$ Million), Price (USD/MT) and Gross Margin (2020-2025)

Table 83. International Quantum Epitaxy Main Business

Table 84. International Quantum Epitaxy Latest Developments

Table 85. Free scale Semiconductor Basic Information, II-VI Compound Semiconductor Manufacturing Base, Sales Area and Its Competitors

Table 86. Free scale Semiconductor II-VI Compound Semiconductor Product Portfolios and Specifications

Table 87. Free scale Semiconductor II-VI Compound Semiconductor Sales (MT), Revenue (\$ Million), Price (USD/MT) and Gross Margin (2020-2025)

Table 88. Free scale Semiconductor Main Business

Table 89. Free scale Semiconductor Latest Developments

Table 90. LM Ericsson Telefon Basic Information, II-VI Compound Semiconductor Manufacturing Base, Sales Area and Its Competitors

Table 91. LM Ericsson Telefon II-VI Compound Semiconductor Product Portfolios and Specifications

Table 92. LM Ericsson Telefon II-VI Compound Semiconductor Sales (MT), Revenue (\$ Million), Price (USD/MT) and Gross Margin (2020-2025)

Table 93. LM Ericsson Telefon Main Business

Table 94. LM Ericsson Telefon Latest Developments

Table 95. Taiwan Semiconductor Manufacturing Company Basic Information, II-VI Compound Semiconductor Manufacturing Base, Sales Area and Its Competitors

Table 96. Taiwan Semiconductor Manufacturing Company II-VI Compound Semiconductor Product Portfolios and Specifications

Table 97. Taiwan Semiconductor Manufacturing Company II-VI Compound Semiconductor Sales (MT), Revenue (\$ Million), Price (USD/MT) and Gross Margin (2020-2025)

Table 98. Taiwan Semiconductor Manufacturing Company Main Business

Table 99. Taiwan Semiconductor Manufacturing Company Latest Developments

List Of Figures

LIST OF FIGURES

- Figure 1. Picture of II-VI Compound Semiconductor
- Figure 2. II-VI Compound Semiconductor Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global II-VI Compound Semiconductor Sales Growth Rate 2020-2031 (MT)
- Figure 7. Global II-VI Compound Semiconductor Revenue Growth Rate 2020-2031 (\$ millions)
- Figure 8. II-VI Compound Semiconductor Sales by Geographic Region (2020, 2024 & 2031) & (\$ millions)
- Figure 9. II-VI Compound Semiconductor Sales Market Share by Country/Region (2024)
- Figure 10. II-VI Compound Semiconductor Sales Market Share by Country/Region (2020, 2024 & 2031)
- Figure 11. Product Picture of Deposition Technology:CVD
- Figure 12. Product Picture of Deposition Technology:MBE
- Figure 13. Product Picture of Deposition Technology:HVPE
- Figure 14. Product Picture of Deposition Technology:MOVPE
- Figure 15. Product Picture of Deposition Technology:LPE
- Figure 16. Global II-VI Compound Semiconductor Sales Market Share by Type in 2025
- Figure 17. Global II-VI Compound Semiconductor Revenue Market Share by Type (2020-2025)
- Figure 18. II-VI Compound Semiconductor Consumed in Electronics
- Figure 19. Global II-VI Compound Semiconductor Market: Electronics (2020-2025) & (MT)
- Figure 20. II-VI Compound Semiconductor Consumed in Aerospace
- Figure 21. Global II-VI Compound Semiconductor Market: Aerospace (2020-2025) & (MT)
- Figure 22. II-VI Compound Semiconductor Consumed in Others
- Figure 23. Global II-VI Compound Semiconductor Market: Others (2020-2025) & (MT)
- Figure 24. Global II-VI Compound Semiconductor Sale Market Share by Application (2024)
- Figure 25. Global II-VI Compound Semiconductor Revenue Market Share by Application in 2025
- Figure 26. II-VI Compound Semiconductor Sales by Company in 2025 (MT)
- Figure 27. Global II-VI Compound Semiconductor Sales Market Share by Company in

2025

Figure 28. II-VI Compound Semiconductor Revenue by Company in 2025 (\$ millions)

Figure 29. Global II-VI Compound Semiconductor Revenue Market Share by Company in 2025

Figure 30. Global II-VI Compound Semiconductor Sales Market Share by Geographic Region (2020-2025)

Figure 31. Global II-VI Compound Semiconductor Revenue Market Share by Geographic Region in 2025

Figure 32. Americas II-VI Compound Semiconductor Sales 2020-2025 (MT)

Figure 33. Americas II-VI Compound Semiconductor Revenue 2020-2025 (\$ millions)

Figure 34. APAC II-VI Compound Semiconductor Sales 2020-2025 (MT)

Figure 35. APAC II-VI Compound Semiconductor Revenue 2020-2025 (\$ millions)

Figure 36. Europe II-VI Compound Semiconductor Sales 2020-2025 (MT)

Figure 37. Europe II-VI Compound Semiconductor Revenue 2020-2025 (\$ millions)

Figure 38. Middle East & Africa II-VI Compound Semiconductor Sales 2020-2025 (MT)

Figure 39. Middle East & Africa II-VI Compound Semiconductor Revenue 2020-2025 (\$ millions)

Figure 40. Americas II-VI Compound Semiconductor Sales Market Share by Country in 2025

Figure 41. Americas II-VI Compound Semiconductor Revenue Market Share by Country (2020-2025)

Figure 42. Americas II-VI Compound Semiconductor Sales Market Share by Type (2020-2025)

Figure 43. Americas II-VI Compound Semiconductor Sales Market Share by Application (2020-2025)

Figure 44. United States II-VI Compound Semiconductor Revenue Growth 2020-2025 (\$ millions)

Figure 45. Canada II-VI Compound Semiconductor Revenue Growth 2020-2025 (\$ millions)

Figure 46. Mexico II-VI Compound Semiconductor Revenue Growth 2020-2025 (\$ millions)

Figure 47. Brazil II-VI Compound Semiconductor Revenue Growth 2020-2025 (\$ millions)

Figure 48. APAC II-VI Compound Semiconductor Sales Market Share by Region in 2025

Figure 49. APAC II-VI Compound Semiconductor Revenue Market Share by Region (2020-2025)

Figure 50. APAC II-VI Compound Semiconductor Sales Market Share by Type (2020-2025)

Figure 51. APAC II-VI Compound Semiconductor Sales Market Share by Application (2020-2025)

Figure 52. China II-VI Compound Semiconductor Revenue Growth 2020-2025 (\$ millions)

Figure 53. Japan II-VI Compound Semiconductor Revenue Growth 2020-2025 (\$ millions)

Figure 54. South Korea II-VI Compound Semiconductor Revenue Growth 2020-2025 (\$ millions)

Figure 55. Southeast Asia II-VI Compound Semiconductor Revenue Growth 2020-2025 (\$ millions)

Figure 56. India II-VI Compound Semiconductor Revenue Growth 2020-2025 (\$ millions)

Figure 57. Australia II-VI Compound Semiconductor Revenue Growth 2020-2025 (\$ millions)

Figure 58. China Taiwan II-VI Compound Semiconductor Revenue Growth 2020-2025 (\$ millions)

Figure 59. Europe II-VI Compound Semiconductor Sales Market Share by Country in 2025

Figure 60. Europe II-VI Compound Semiconductor Revenue Market Share by Country (2020-2025)

Figure 61. Europe II-VI Compound Semiconductor Sales Market Share by Type (2020-2025)

Figure 62. Europe II-VI Compound Semiconductor Sales Market Share by Application (2020-2025)

Figure 63. Germany II-VI Compound Semiconductor Revenue Growth 2020-2025 (\$ millions)

Figure 64. France II-VI Compound Semiconductor Revenue Growth 2020-2025 (\$ millions)

Figure 65. UK II-VI Compound Semiconductor Revenue Growth 2020-2025 (\$ millions)

Figure 66. Italy II-VI Compound Semiconductor Revenue Growth 2020-2025 (\$ millions)

Figure 67. Russia II-VI Compound Semiconductor Revenue Growth 2020-2025 (\$ millions)

Figure 68. Middle East & Africa II-VI Compound Semiconductor Sales Market Share by Country (2020-2025)

Figure 69. Middle East & Africa II-VI Compound Semiconductor Sales Market Share by Type (2020-2025)

Figure 70. Middle East & Africa II-VI Compound Semiconductor Sales Market Share by Application (2020-2025)

Figure 71. Egypt II-VI Compound Semiconductor Revenue Growth 2020-2025 (\$

millions)

Figure 72. South Africa II-VI Compound Semiconductor Revenue Growth 2020-2025 (\$ millions)

Figure 73. Israel II-VI Compound Semiconductor Revenue Growth 2020-2025 (\$ millions)

Figure 74. Turkey II-VI Compound Semiconductor Revenue Growth 2020-2025 (\$ millions)

Figure 75. GCC Countries II-VI Compound Semiconductor Revenue Growth 2020-2025 (\$ millions)

Figure 76. Manufacturing Cost Structure Analysis of II-VI Compound Semiconductor in 2025

Figure 77. Manufacturing Process Analysis of II-VI Compound Semiconductor

Figure 78. Industry Chain Structure of II-VI Compound Semiconductor

Figure 79. Channels of Distribution

Figure 80. Global II-VI Compound Semiconductor Sales Market Forecast by Region (2026-2031)

Figure 81. Global II-VI Compound Semiconductor Revenue Market Share Forecast by Region (2026-2031)

Figure 82. Global II-VI Compound Semiconductor Sales Market Share Forecast by Type (2026-2031)

Figure 83. Global II-VI Compound Semiconductor Revenue Market Share Forecast by Type (2026-2031)

Figure 84. Global II-VI Compound Semiconductor Sales Market Share Forecast by Application (2026-2031)

Figure 85. Global II-VI Compound Semiconductor Revenue Market Share Forecast by Application (2026-2031)

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