

Global II-V Compound Semiconductor Market Growth 2025-2031

<https://marketpublishers.com/r/GD232D0F7A50EN.html>

Date: June 2026

Pages: 75

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

ID: GD232D0F7A50EN

Abstracts

The global II-V 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-V Compound Semiconductor Industry Forecast" looks at past sales and reviews total world II-V Compound Semiconductor sales in 2024, providing a comprehensive analysis by region and market sector of projected II-V Compound Semiconductor sales for 2025 through 2031. With II-V 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-V Compound Semiconductor industry.

This Insight Report provides a comprehensive analysis of the global II-V 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-V 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-V Compound Semiconductor market.

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

This report presents a comprehensive overview, market shares, and growth opportunities of II-V 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-V Compound Semiconductor market?

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

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

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

How does II-V Compound Semiconductor break out by Type, by Application?

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

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

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