

Global Gallium Arsenide Wafer Market Growth 2025-2031

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Abstracts

The global Gallium Arsenide Wafer market size is predicted to grow from US\$ 286 million in 2025 to US\$ 356 million in 2031; it is expected to grow at a CAGR of 3.7% 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.

Gallium arsenide (GaAs) is a compound of the elements gallium and arsenic. It is a III-V direct bandgap semiconductor with a zinc blende crystal structure.

Gallium arsenide is used in the manufacture of devices such as microwave frequency integrated circuits, monolithic microwave integrated circuits, infrared light-emitting diodes, laser diodes, solar cells and optical windows.

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 “Gallium Arsenide Wafer Industry Forecast” looks at past sales and reviews total world Gallium Arsenide Wafer sales in 2024, providing a comprehensive analysis by region and market sector of projected Gallium Arsenide Wafer sales for 2025 through 2031. With Gallium Arsenide Wafer sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Gallium Arsenide Wafer industry.

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

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Gallium Arsenide Wafer 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 Gallium Arsenide Wafer.

This report presents a comprehensive overview, market shares, and growth opportunities of Gallium Arsenide Wafer market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

SC GaAs

SI GaAs

Segmentation by Application:

Mobile Devices

Wireless Communications

Aerospace and Defense

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.

AWSC

GCS

WIN Semiconductors

AXT

Century Epitech

Freiberger Compound Materials

Intelligent Epitaxy Technology

IQE

OMMIC

Xiamen Powerway Advanced Material

Qorvo

Sumitomo Electric Semiconductor Materials

United Monolithic Semiconductors (UMS)

Visual Photonics Epitaxy (VPEC)

Key Questions Addressed in this Report

What is the 10-year outlook for the global Gallium Arsenide Wafer market?

What factors are driving Gallium Arsenide Wafer market growth, globally and by region?

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

How do Gallium Arsenide Wafer market opportunities vary by end market size?

How does Gallium Arsenide Wafer break out by Type, by Application?

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