

Global Gallium Arsenide (GaAs) Wafer Market Growth 2025-2031

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Abstracts

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The global Gallium Arsenide (GaAs) Wafer market size is predicted to grow from US\$ 320 million in 2025 to US\$ 530 million in 2031; it is expected to grow at a CAGR of 8.7% from 2025 to 2031.

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.

Global key players of gallium arsenide (GaAs) wafer include Freiberger Compound Materials, AXT, Inc, Sumitomo Electric Industries, Ltd, Vital Materials, China Crystal Technologies Co., Ltd, H3C SecPath Series and DOWA Electronics Materials Co., Ltd, etc. Top 2 players occupy for a share about 50%. China is the largest market, with a share about 28%, followed by Europe and Japan. In terms of product, VGF method is the largest segment, with a share over 60%. In terms of application, RF is the largest market, with a share over 50%.

LP Information, Inc. (LPI) ' newest research report, the "Gallium Arsenide (GaAs) Wafer Industry Forecast" looks at past sales and reviews total world Gallium Arsenide (GaAs) Wafer sales in 2024, providing a comprehensive analysis by region and market sector of projected Gallium Arsenide (GaAs) Wafer sales for 2025 through 2031. With Gallium Arsenide (GaAs) 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 (GaAs) Wafer industry.

This Insight Report provides a comprehensive analysis of the global Gallium Arsenide (GaAs) 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 (GaAs) 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 (GaAs) Wafer market.

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

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

Segmentation by Type:

VGF GaAs

LEC GaAs

Other

Segmentation by Application:

RF

LED

VCSEL

Photovoltaic

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.

Freiberger Compound Materials

AXT, Inc.

Sumitomo Electric Industries, Ltd.

Vital Materials

China Crystal Technologies Co., Ltd.

H3C SecPath Series

DOWA Electronics Materials Co., Ltd.

Key Questions Addressed in this Report

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

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

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

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

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

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