

Global Gallium Market Research Report 2022

Professional Edition

<https://marketpublishers.com/r/GC5F2E668082EN.html>

Date: January 2022

Pages: 137

Price: US\$ 2,890.00 (Single User License)

ID: GC5F2E668082EN

Abstracts

The global Gallium market was valued at 27.54 Million USD in 2021 and will grow with a CAGR of 4.57% from 2021 to 2027, based on HNY Research newly published report.

The prime objective of this report is to provide the insights on the post COVID-19 impact which will help market players in this field evaluate their business approaches. Also, this report covers market segmentation by major market vendors, types, applications/end users and geography(North America, East Asia, Europe, South Asia, Southeast Asia, Middle East, Africa, Oceania, South America).

Gallium Arsenide (GaAs) is a compound semiconductor: a mixture of two elements, Gallium (Ga) and Arsenic (As). Gallium is a byproduct of the melting of other metals, notably aluminum and zinc, and is rarer than gold. Arsenic is not rare, but it is poisonous. 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. In 2016, the global consumption volume of GaAs reached 48171K Square Inches. For industry structure analysis, the GaAs industry is highly concentrated. A variety of manufacturers ranging from large multinational corporations to small privately-owned companies compete in this industry, but the top six producers account for more than 70% of the market. Regionally, China is the biggest production and consumption area of GaAs, also the leader in the whole industry. Europe, Japan and USA also produce large amount of GaAs per year. Regionally, GaAs suppliers are concentrated in Europe, USA, China, Japan and Taiwan. Leading suppliers in this industry are Freiberger Compound Materials, AXT, Sumitomo Electric, China Crystal Technologies, and Shenzhou Crystal Technology.

GaAs can be classified based on its production method. In 2016, VGF Grown GaAs takes 62.93% share of global market, while LEC Grown GaAs takes share of 26.97%.

By Market Vendors:

Freiberger Compound Materials

AXT

Sumitomo Electric

China Crystal Technologies

Shenzhou Crystal Technology

Tianjin Jingming Electronic Materials

Yunnan Germanium

DOWA Electronics Materials

II-VI Incorporated

IQE Corporation

Wafer Technology

By Types:

LEC Grown GaAs

VGF Grown GaAs

By Applications:

Wireless Communication

Optoelectronic Devices

Key Indicators Analysed

Market Players & Competitor Analysis: The report covers the key players of the industry including Company Profile, Product Specifications, Production Capacity/Sales, Revenue, Price and Gross Margin 2016-2027 & Sales with a thorough analysis of the market's competitive landscape and detailed information on vendors and comprehensive details of factors that will challenge the growth of major market vendors.

Global and Regional Market Analysis: The report includes Global & Regional market status and outlook 2016-2027. Further the report provides break down details about each region & countries covered in the report. Identifying its sales, sales volume & revenue forecast. With detailed analysis by types and applications.

Market Trends: Market key trends which include Increased Competition and Continuous Innovations.

Opportunities and Drivers: Identifying the Growing Demands and New Technology

Porters Five Force Analysis: The report provides with the state of competition in industry depending on five basic forces: threat of new entrants, bargaining power of suppliers, bargaining power of buyers, threat of substitute products or services, and existing industry rivalry.

Key Reasons to Purchase

To gain insightful analyses of the market and have comprehensive understanding of the global market and its commercial landscape.

Assess the production processes, major issues, and solutions to mitigate the development risk.

To understand the most affecting driving and restraining forces in the market and its impact in the global market.

Learn about the market strategies that are being adopted by leading respective organizations.

To understand the future outlook and prospects for the market.

Besides the standard structure reports, we also provide custom research according to specific requirements

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South Asia Gallium Consumption Forecast 2022-2027

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