

Global Gallium Arsenide (GaAs) Wafer Market Size, Manufacturers, Opportunities and Forecast to 2030

<https://marketpublishers.com/r/GA47ACBA95D5EN.html>

Date: April 2024

Pages: 90

Price: US\$ 3,450.00 (Single User License)

ID: GA47ACBA95D5EN

Abstracts

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.

According to APO Research, The global Gallium Arsenide (GaAs) Wafer market was estimated at US\$ million in 2023 and is projected to reach a revised size of US\$ million by 2030, witnessing a CAGR of xx% during the forecast period 2024-2030.

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 two players occupy for a share about 52%. China is the largest market, with a share about 27%, 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 53%.

Report Scope

This report aims to provide a comprehensive presentation of the global market for Gallium Arsenide (GaAs) Wafer, with both quantitative and qualitative analysis, to help readers develop business/growth strategies, assess the market competitive situation, analyze their position in the current marketplace, and make informed business decisions regarding Gallium Arsenide (GaAs) Wafer.

The Gallium Arsenide (GaAs) Wafer market size, estimations, and forecasts are provided in terms of sales volume (K Sq) and revenue (\$ millions), considering 2023 as the base year, with history and forecast data for the period from 2019 to 2030. This report segments the global Gallium Arsenide (GaAs) Wafer market comprehensively. Regional market sizes, concerning products by Type, by Application, and by players, are also provided. For a more in-depth understanding of the market, the report provides profiles of the competitive landscape, key competitors, and their respective market ranks. The report also discusses technological trends and new product developments.

Key Companies & Market Share Insights

In this section, the readers will gain an understanding of the key players competing. This report has studied the key growth strategies, such as innovative trends and developments, intensification of product portfolio, mergers and acquisitions, collaborations, new product innovation, and geographical expansion, undertaken by these participants to maintain their presence. Apart from business strategies, the study includes current developments and key financials. The readers will also get access to the data related to global revenue, price, and sales by manufacturers for the period 2019-2024. This all-inclusive report will certainly serve the clients to stay updated and make effective decisions in their businesses. Some of the prominent players reviewed in the research report include:

Freiberger Compound Materials

AXT, Inc.

Sumitomo Electric Industries, Ltd.

Vital Materials

China Crystal Technologies Co., Ltd.

H3C SecPath Series

DOWA Electronics Materials Co., Ltd.

Gallium Arsenide (GaAs) Wafer segment by Type

LEC GaAs

VGF GaAs

Other

Gallium Arsenide (GaAs) Wafer segment by Application

RF

LED

VCSEL

Photovoltaic

Gallium Arsenide (GaAs) Wafer Segment by Region

North America

United States

Canada

Europe

Germany

France

U.K.

Italy

Russia

Asia-Pacific

China

Japan

South Korea

India

Australia

China Taiwan

Indonesia

Thailand

Malaysia

Latin America

Mexico

Brazil

Argentina

Middle East & Africa

Turkey

Saudi Arabia

UAE

Key Drivers & Barriers

High-impact rendering factors and drivers have been studied in this report to aid the

Global Gallium Arsenide (GaAs) Wafer Market Size, Manufacturers, Opportunities and Forecast to 2030

readers to understand the general development. Moreover, the report includes restraints and challenges that may act as stumbling blocks on the way of the players. This will assist the users to be attentive and make informed decisions related to business. Specialists have also laid their focus on the upcoming business prospects.

Reasons to Buy This Report

1. This report will help the readers to understand the competition within the industries and strategies for the competitive environment to enhance the potential profit. The report also focuses on the competitive landscape of the global Gallium Arsenide (GaAs) Wafer market, and introduces in detail the market share, industry ranking, competitor ecosystem, market performance, new product development, operation situation, expansion, and acquisition. etc. of the main players, which helps the readers to identify the main competitors and deeply understand the competition pattern of the market.
2. This report will help stakeholders to understand the global industry status and trends of Gallium Arsenide (GaAs) Wafer and provides them with information on key market drivers, restraints, challenges, and opportunities.
3. This report will help stakeholders to understand competitors better and gain more insights to strengthen their position in their businesses. The competitive landscape section includes the market share and rank (in volume and value), competitor ecosystem, new product development, expansion, and acquisition.
4. This report stays updated with novel technology integration, features, and the latest developments in the market
5. This report helps stakeholders to gain insights into which regions to target globally
6. This report helps stakeholders to gain insights into the end-user perception concerning the adoption of Gallium Arsenide (GaAs) Wafer.
7. This report helps stakeholders to identify some of the key players in the market and understand their valuable contribution.

Chapter Outline

Chapter 1: Introduces the study scope of this report, executive summary of market segments by type, market size segments for North America, Europe, Asia Pacific, Latin

America, Middle East & Africa.

Chapter 2: Introduces the market dynamics, latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 3: Detailed analysis of Gallium Arsenide (GaAs) Wafer manufacturers competitive landscape, price, sales, revenue, market share and ranking, latest development plan, merger, and acquisition information, etc.

Chapter 4: Sales, revenue of Gallium Arsenide (GaAs) Wafer in regional level. It provides a quantitative analysis of the market size and development potential of each region and introduces the future development prospects, and market space in the world.

Chapter 5: Introduces market segments by application, market size segment for North America, Europe, Asia Pacific, Latin America, Middle East & Africa.

Chapter 6: Provides profiles of key players, introducing the basic situation of the main companies in the market in detail, including product sales, revenue, price, gross margin, product introduction, recent development, etc.

Chapter 7, 8, 9, 10 and 11: North America, Europe, Asia Pacific, Latin America, Middle East & Africa, sales and revenue by country.

Chapter 12: Analysis of industrial chain, key raw materials, manufacturing cost, and market dynamics.

Chapter 13: Concluding Insights of the report.

Contents

1 MARKET OVERVIEW

1.1 Product Definition

1.2 Global Market Growth Prospects

1.2.1 Global Gallium Arsenide (GaAs) Wafer Market Size Estimates and Forecasts (2019-2030)

1.2.2 Global Gallium Arsenide (GaAs) Wafer Sales Estimates and Forecasts (2019-2030)

1.3 Gallium Arsenide (GaAs) Wafer Market by Type

1.3.1 LEC GaAs

1.3.2 VGF GaAs

1.3.3 Other

1.4 Global Gallium Arsenide (GaAs) Wafer Market Size by Type

1.4.1 Global Gallium Arsenide (GaAs) Wafer Market Size Overview by Type (2019-2030)

1.4.2 Global Gallium Arsenide (GaAs) Wafer Historic Market Size Review by Type (2019-2024)

1.4.3 Global Gallium Arsenide (GaAs) Wafer Forecasted Market Size by Type (2025-2030)

1.5 Key Regions Market Size by Type

1.5.1 North America Gallium Arsenide (GaAs) Wafer Sales Breakdown by Type (2019-2024)

1.5.2 Europe Gallium Arsenide (GaAs) Wafer Sales Breakdown by Type (2019-2024)

1.5.3 Asia-Pacific Gallium Arsenide (GaAs) Wafer Sales Breakdown by Type (2019-2024)

1.5.4 Latin America Gallium Arsenide (GaAs) Wafer Sales Breakdown by Type (2019-2024)

1.5.5 Middle East and Africa Gallium Arsenide (GaAs) Wafer Sales Breakdown by Type (2019-2024)

2 GLOBAL MARKET DYNAMICS

2.1 Gallium Arsenide (GaAs) Wafer Industry Trends

2.2 Gallium Arsenide (GaAs) Wafer Industry Drivers

2.3 Gallium Arsenide (GaAs) Wafer Industry Opportunities and Challenges

2.4 Gallium Arsenide (GaAs) Wafer Industry Restraints

3 MARKET COMPETITIVE LANDSCAPE BY COMPANY

- 3.1 Global Top Players by Gallium Arsenide (GaAs) Wafer Revenue (2019-2024)
- 3.2 Global Top Players by Gallium Arsenide (GaAs) Wafer Sales (2019-2024)
- 3.3 Global Top Players by Gallium Arsenide (GaAs) Wafer Price (2019-2024)
- 3.4 Global Gallium Arsenide (GaAs) Wafer Industry Company Ranking, 2022 VS 2023 VS 2024
- 3.5 Global Gallium Arsenide (GaAs) Wafer Key Company Manufacturing Sites & Headquarters
- 3.6 Global Gallium Arsenide (GaAs) Wafer Company, Product Type & Application
- 3.7 Global Gallium Arsenide (GaAs) Wafer Company Commercialization Time
- 3.8 Market Competitive Analysis
 - 3.8.1 Global Gallium Arsenide (GaAs) Wafer Market CR5 and HHI
 - 3.8.2 Global Top 5 and 10 Gallium Arsenide (GaAs) Wafer Players Market Share by Revenue in 2023
 - 3.8.3 2023 Gallium Arsenide (GaAs) Wafer Tier 1, Tier 2, and Tier

4 GALLIUM ARSENIDE (GAAS) WAFER REGIONAL STATUS AND OUTLOOK

- 4.1 Global Gallium Arsenide (GaAs) Wafer Market Size and CAGR by Region: 2019 VS 2023 VS 2030
- 4.2 Global Gallium Arsenide (GaAs) Wafer Historic Market Size by Region
 - 4.2.1 Global Gallium Arsenide (GaAs) Wafer Sales in Volume by Region (2019-2024)
 - 4.2.2 Global Gallium Arsenide (GaAs) Wafer Sales in Value by Region (2019-2024)
 - 4.2.3 Global Gallium Arsenide (GaAs) Wafer Sales (Volume & Value), Price and Gross Margin (2019-2024)
- 4.3 Global Gallium Arsenide (GaAs) Wafer Forecasted Market Size by Region
 - 4.3.1 Global Gallium Arsenide (GaAs) Wafer Sales in Volume by Region (2025-2030)
 - 4.3.2 Global Gallium Arsenide (GaAs) Wafer Sales in Value by Region (2025-2030)
 - 4.3.3 Global Gallium Arsenide (GaAs) Wafer Sales (Volume & Value), Price and Gross Margin (2025-2030)

5 GALLIUM ARSENIDE (GAAS) WAFER BY APPLICATION

- 5.1 Gallium Arsenide (GaAs) Wafer Market by Application
 - 5.1.1 RF
 - 5.1.2 LED
 - 5.1.3 VCSEL
 - 5.1.4 Photovoltaic

5.2 Global Gallium Arsenide (GaAs) Wafer Market Size by Application

5.2.1 Global Gallium Arsenide (GaAs) Wafer Market Size Overview by Application (2019-2030)

5.2.2 Global Gallium Arsenide (GaAs) Wafer Historic Market Size Review by Application (2019-2024)

5.2.3 Global Gallium Arsenide (GaAs) Wafer Forecasted Market Size by Application (2025-2030)

5.3 Key Regions Market Size by Application

5.3.1 North America Gallium Arsenide (GaAs) Wafer Sales Breakdown by Application (2019-2024)

5.3.2 Europe Gallium Arsenide (GaAs) Wafer Sales Breakdown by Application (2019-2024)

5.3.3 Asia-Pacific Gallium Arsenide (GaAs) Wafer Sales Breakdown by Application (2019-2024)

5.3.4 Latin America Gallium Arsenide (GaAs) Wafer Sales Breakdown by Application (2019-2024)

5.3.5 Middle East and Africa Gallium Arsenide (GaAs) Wafer Sales Breakdown by Application (2019-2024)

6 COMPANY PROFILES

6.1 Freiberger Compound Materials

6.1.1 Freiberger Compound Materials Company Information

6.1.2 Freiberger Compound Materials Business Overview

6.1.3 Freiberger Compound Materials Gallium Arsenide (GaAs) Wafer Sales, Revenue and Gross Margin (2019-2024)

6.1.4 Freiberger Compound Materials Gallium Arsenide (GaAs) Wafer Product Portfolio

6.1.5 Freiberger Compound Materials Recent Developments

6.2 AXT, Inc.

6.2.1 AXT, Inc. Company Information

6.2.2 AXT, Inc. Business Overview

6.2.3 AXT, Inc. Gallium Arsenide (GaAs) Wafer Sales, Revenue and Gross Margin (2019-2024)

6.2.4 AXT, Inc. Gallium Arsenide (GaAs) Wafer Product Portfolio

6.2.5 AXT, Inc. Recent Developments

6.3 Sumitomo Electric Industries, Ltd.

6.3.1 Sumitomo Electric Industries, Ltd. Company Information

6.3.2 Sumitomo Electric Industries, Ltd. Business Overview

6.3.3 Sumitomo Electric Industries, Ltd. Gallium Arsenide (GaAs) Wafer Sales, Revenue and Gross Margin (2019-2024)

6.3.4 Sumitomo Electric Industries, Ltd. Gallium Arsenide (GaAs) Wafer Product Portfolio

6.3.5 Sumitomo Electric Industries, Ltd. Recent Developments

6.4 Vital Materials

6.4.1 Vital Materials Company Information

6.4.2 Vital Materials Business Overview

6.4.3 Vital Materials Gallium Arsenide (GaAs) Wafer Sales, Revenue and Gross Margin (2019-2024)

6.4.4 Vital Materials Gallium Arsenide (GaAs) Wafer Product Portfolio

6.4.5 Vital Materials Recent Developments

6.5 China Crystal Technologies Co., Ltd.

6.5.1 China Crystal Technologies Co., Ltd. Company Information

6.5.2 China Crystal Technologies Co., Ltd. Business Overview

6.5.3 China Crystal Technologies Co., Ltd. Gallium Arsenide (GaAs) Wafer Sales, Revenue and Gross Margin (2019-2024)

6.5.4 China Crystal Technologies Co., Ltd. Gallium Arsenide (GaAs) Wafer Product Portfolio

6.5.5 China Crystal Technologies Co., Ltd. Recent Developments

6.6 H3C SecPath Series

6.6.1 H3C SecPath Series Company Information

6.6.2 H3C SecPath Series Business Overview

6.6.3 H3C SecPath Series Gallium Arsenide (GaAs) Wafer Sales, Revenue and Gross Margin (2019-2024)

6.6.4 H3C SecPath Series Gallium Arsenide (GaAs) Wafer Product Portfolio

6.6.5 H3C SecPath Series Recent Developments

6.7 DOWA Electronics Materials Co., Ltd.

6.7.1 DOWA Electronics Materials Co., Ltd. Company Information

6.7.2 DOWA Electronics Materials Co., Ltd. Business Overview

6.7.3 DOWA Electronics Materials Co., Ltd. Gallium Arsenide (GaAs) Wafer Sales, Revenue and Gross Margin (2019-2024)

6.7.4 DOWA Electronics Materials Co., Ltd. Gallium Arsenide (GaAs) Wafer Product Portfolio

6.7.5 DOWA Electronics Materials Co., Ltd. Recent Developments

7 NORTH AMERICA BY COUNTRY

7.1 North America Gallium Arsenide (GaAs) Wafer Sales by Country

7.1.1 North America Gallium Arsenide (GaAs) Wafer Sales Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

7.1.2 North America Gallium Arsenide (GaAs) Wafer Sales by Country (2019-2024)

7.1.3 North America Gallium Arsenide (GaAs) Wafer Sales Forecast by Country (2025-2030)

7.2 North America Gallium Arsenide (GaAs) Wafer Market Size by Country

7.2.1 North America Gallium Arsenide (GaAs) Wafer Market Size Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

7.2.2 North America Gallium Arsenide (GaAs) Wafer Market Size by Country (2019-2024)

7.2.3 North America Gallium Arsenide (GaAs) Wafer Market Size Forecast by Country (2025-2030)

8 EUROPE BY COUNTRY

8.1 Europe Gallium Arsenide (GaAs) Wafer Sales by Country

8.1.1 Europe Gallium Arsenide (GaAs) Wafer Sales Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

8.1.2 Europe Gallium Arsenide (GaAs) Wafer Sales by Country (2019-2024)

8.1.3 Europe Gallium Arsenide (GaAs) Wafer Sales Forecast by Country (2025-2030)

8.2 Europe Gallium Arsenide (GaAs) Wafer Market Size by Country

8.2.1 Europe Gallium Arsenide (GaAs) Wafer Market Size Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

8.2.2 Europe Gallium Arsenide (GaAs) Wafer Market Size by Country (2019-2024)

8.2.3 Europe Gallium Arsenide (GaAs) Wafer Market Size Forecast by Country (2025-2030)

9 ASIA-PACIFIC BY COUNTRY

9.1 Asia-Pacific Gallium Arsenide (GaAs) Wafer Sales by Country

9.1.1 Asia-Pacific Gallium Arsenide (GaAs) Wafer Sales Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

9.1.2 Asia-Pacific Gallium Arsenide (GaAs) Wafer Sales by Country (2019-2024)

9.1.3 Asia-Pacific Gallium Arsenide (GaAs) Wafer Sales Forecast by Country (2025-2030)

9.2 Asia-Pacific Gallium Arsenide (GaAs) Wafer Market Size by Country

9.2.1 Asia-Pacific Gallium Arsenide (GaAs) Wafer Market Size Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

9.2.2 Asia-Pacific Gallium Arsenide (GaAs) Wafer Market Size by Country (2019-2024)

9.2.3 Asia-Pacific Gallium Arsenide (GaAs) Wafer Market Size Forecast by Country (2025-2030)

10 LATIN AMERICA BY COUNTRY

10.1 Latin America Gallium Arsenide (GaAs) Wafer Sales by Country

10.1.1 Latin America Gallium Arsenide (GaAs) Wafer Sales Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

10.1.2 Latin America Gallium Arsenide (GaAs) Wafer Sales by Country (2019-2024)

10.1.3 Latin America Gallium Arsenide (GaAs) Wafer Sales Forecast by Country (2025-2030)

10.2 Latin America Gallium Arsenide (GaAs) Wafer Market Size by Country

10.2.1 Latin America Gallium Arsenide (GaAs) Wafer Market Size Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

10.2.2 Latin America Gallium Arsenide (GaAs) Wafer Market Size by Country (2019-2024)

10.2.3 Latin America Gallium Arsenide (GaAs) Wafer Market Size Forecast by Country (2025-2030)

11 MIDDLE EAST AND AFRICA BY COUNTRY

11.1 Middle East and Africa Gallium Arsenide (GaAs) Wafer Sales by Country

11.1.1 Middle East and Africa Gallium Arsenide (GaAs) Wafer Sales Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

11.1.2 Middle East and Africa Gallium Arsenide (GaAs) Wafer Sales by Country (2019-2024)

11.1.3 Middle East and Africa Gallium Arsenide (GaAs) Wafer Sales Forecast by Country (2025-2030)

11.2 Middle East and Africa Gallium Arsenide (GaAs) Wafer Market Size by Country

11.2.1 Middle East and Africa Gallium Arsenide (GaAs) Wafer Market Size Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

11.2.2 Middle East and Africa Gallium Arsenide (GaAs) Wafer Market Size by Country (2019-2024)

11.2.3 Middle East and Africa Gallium Arsenide (GaAs) Wafer Market Size Forecast by Country (2025-2030)

12 VALUE CHAIN AND SALES CHANNELS ANALYSIS

12.1 Gallium Arsenide (GaAs) Wafer Value Chain Analysis

- 12.1.1 Gallium Arsenide (GaAs) Wafer Key Raw Materials
- 12.1.2 Key Raw Materials Price
- 12.1.3 Raw Materials Key Suppliers
- 12.1.4 Manufacturing Cost Structure
- 12.1.5 Gallium Arsenide (GaAs) Wafer Production Mode & Process
- 12.2 Gallium Arsenide (GaAs) Wafer Sales Channels Analysis
 - 12.2.1 Direct Comparison with Distribution Share
 - 12.2.2 Gallium Arsenide (GaAs) Wafer Distributors
 - 12.2.3 Gallium Arsenide (GaAs) Wafer Customers

13 CONCLUDING INSIGHTS

14 APPENDIX

- 14.1 Reasons for Doing This Study
- 14.2 Research Methodology
- 14.3 Research Process
- 14.4 Authors List of This Report
- 14.5 Data Source
 - 14.5.1 Secondary Sources
 - 14.5.2 Primary Sources
- 14.6 Disclaimer

I would like to order

Product name: Global Gallium Arsenide (GaAs) Wafer Market Size, Manufacturers, Opportunities and Forecast to 2030

Product link: <https://marketpublishers.com/r/GA47ACBA95D5EN.html>

Price: US\$ 3,450.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GA47ACBA95D5EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

