

Global Gallium Arsenide (GaAs) Wafer Market by Size, by Type, by Application, by Region, History and Forecast 2019-2030

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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 is projected to grow from US\$ million in 2024 to US\$ million by 2030, at a Compound Annual Growth Rate (CAGR) of % during the forecast period.

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%.

In terms of production side, this report researches the Gallium Arsenide (GaAs) Wafer production, growth rate, market share by manufacturers and by region (region level and country level), from 2019 to 2024, and forecast to 2030.

In terms of consumption side, this report focuses on the sales of Gallium Arsenide (GaAs) Wafer by region (region level and country level), by company, by type and by

application. from 2019 to 2024 and forecast to 2030.

This report presents an overview of global market for Gallium Arsenide (GaAs) Wafer, capacity, output, revenue and price. Analyses of the global market trends, with historic market revenue or sales data for 2019 - 2023, estimates for 2024, and projections of CAGR through 2030.

This report researches the key producers of Gallium Arsenide (GaAs) Wafer, also provides the consumption of main regions and countries. Of the upcoming market potential for Gallium Arsenide (GaAs) Wafer, and key regions or countries of focus to forecast this market into various segments and sub-segments. Country specific data and market value analysis for the U.S., Canada, Mexico, Brazil, China, Japan, South Korea, Southeast Asia, India, Germany, the U.K., Italy, Middle East, Africa, and Other Countries.

This report focuses on the Gallium Arsenide (GaAs) Wafer sales, revenue, market share and industry ranking of main manufacturers, data from 2019 to 2024. Identification of the major stakeholders in the global Gallium Arsenide (GaAs) Wafer market, and analysis of their competitive landscape and market positioning based on recent developments and segmental revenues. This report will help stakeholders to understand the competitive landscape and gain more insights and position their businesses and market strategies in a better way.

This report analyzes the segments data by type and by application, sales, revenue, and price, from 2019 to 2030. Evaluation and forecast the market size for Gallium Arsenide (GaAs) Wafer sales, projected growth trends, production technology, application and end-user industry.

Descriptive company profiles of the major global players, including 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.

Gallium Arsenide (GaAs) Wafer segment by Company

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

Study Objectives

1. To analyze and research the global status and future forecast, involving, production, value, consumption, growth rate (CAGR), market share, historical and forecast.
2. To present the key manufacturers, capacity, production, revenue, market share, and Recent Developments.
3. To split the breakdown data by regions, type, manufacturers, and Application.
4. To analyze the global and key regions market potential and advantage, opportunity and challenge, restraints, and risks.
5. To identify significant trends, drivers, influence factors in global and regions.
6. To analyze competitive developments such as expansions, agreements, new product launches, and acquisitions in the market.

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: Provides an overview of the Gallium Arsenide (GaAs) Wafer market, including product definition, global market growth prospects, production value, capacity, and average price forecasts (2019-2030).

Chapter 2: Analysis key trends, drivers, challenges, and opportunities within the global Gallium Arsenide (GaAs) Wafer industry.

Chapter 3: Detailed analysis of Gallium Arsenide (GaAs) Wafer market competition landscape. Including Gallium Arsenide (GaAs) Wafer manufacturers' output value, output and average price from 2019 to 2024, as well as competition analysis indicators such as origin, product type, application, merger and acquisition information, etc.

Chapter 4: Provides the analysis of various market segments by type, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 5: Provides the analysis of various market segments by application, covering the market size and development potential of each market segment, to help readers find

the blue ocean market in different downstream markets.

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

Chapter 7: Production/Production Value of Gallium Arsenide (GaAs) Wafer by region. It provides a quantitative analysis of the market size and development potential of each region in the next six years.

Chapter 8: Consumption of Gallium Arsenide (GaAs) Wafer in regional level and country level. It provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and production of each country in the world.

Chapter 9: Analysis of industrial chain, including the upstream and downstream of the industry.

Chapter 10: 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 Production Value Estimates and Forecasts (2019-2030)
 - 1.2.2 Global Gallium Arsenide (GaAs) Wafer Production Capacity Estimates and Forecasts (2019-2030)
 - 1.2.3 Global Gallium Arsenide (GaAs) Wafer Production Estimates and Forecasts (2019-2030)
 - 1.2.4 Global Gallium Arsenide (GaAs) Wafer Market Average Price (2019-2030)
- 1.3 Assumptions and Limitations
- 1.4 Study Goals and Objectives

2 GLOBAL GALLIUM ARSENIDE (GAAS) WAFER 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 GALLIUM ARSENIDE (GAAS) WAFER MARKET BY MANUFACTURERS

- 3.1 Global Gallium Arsenide (GaAs) Wafer Production Value by Manufacturers (2019-2024)
- 3.2 Global Gallium Arsenide (GaAs) Wafer Production by Manufacturers (2019-2024)
- 3.3 Global Gallium Arsenide (GaAs) Wafer Average Price by Manufacturers (2019-2024)
- 3.4 Global Gallium Arsenide (GaAs) Wafer Industry Manufacturers Ranking, 2022 VS 2023 VS 2024
- 3.5 Global Gallium Arsenide (GaAs) Wafer Key Manufacturers Manufacturing Sites & Headquarters
- 3.6 Global Gallium Arsenide (GaAs) Wafer Manufacturers, Product Type & Application
- 3.7 Global Gallium Arsenide (GaAs) Wafer Manufacturers 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

Production Value in 2023

3.8.3 2023 Gallium Arsenide (GaAs) Wafer Tier 1, Tier 2, and Tier

4 GALLIUM ARSENIDE (GAAS) WAFER MARKET BY TYPE

4.1 Gallium Arsenide (GaAs) Wafer Type Introduction

4.1.1 LEC GaAs

4.1.2 VGF GaAs

4.1.3 Other

4.2 Global Gallium Arsenide (GaAs) Wafer Production by Type

4.2.1 Global Gallium Arsenide (GaAs) Wafer Production by Type (2019 VS 2023 VS 2030)

4.2.2 Global Gallium Arsenide (GaAs) Wafer Production by Type (2019-2030)

4.2.3 Global Gallium Arsenide (GaAs) Wafer Production Market Share by Type (2019-2030)

4.3 Global Gallium Arsenide (GaAs) Wafer Production Value by Type

4.3.1 Global Gallium Arsenide (GaAs) Wafer Production Value by Type (2019 VS 2023 VS 2030)

4.3.2 Global Gallium Arsenide (GaAs) Wafer Production Value by Type (2019-2030)

4.3.3 Global Gallium Arsenide (GaAs) Wafer Production Value Market Share by Type (2019-2030)

5 GALLIUM ARSENIDE (GAAS) WAFER MARKET BY APPLICATION

5.1 Gallium Arsenide (GaAs) Wafer Application Introduction

5.1.1 RF

5.1.2 LED

5.1.3 VCSEL

5.1.4 Photovoltaic

5.2 Global Gallium Arsenide (GaAs) Wafer Production by Application

5.2.1 Global Gallium Arsenide (GaAs) Wafer Production by Application (2019 VS 2023 VS 2030)

5.2.2 Global Gallium Arsenide (GaAs) Wafer Production by Application (2019-2030)

5.2.3 Global Gallium Arsenide (GaAs) Wafer Production Market Share by Application (2019-2030)

5.3 Global Gallium Arsenide (GaAs) Wafer Production Value by Application

5.3.1 Global Gallium Arsenide (GaAs) Wafer Production Value by Application (2019 VS 2023 VS 2030)

5.3.2 Global Gallium Arsenide (GaAs) Wafer Production Value by Application

(2019-2030)

5.3.3 Global Gallium Arsenide (GaAs) Wafer Production Value Market Share by Application (2019-2030)

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 Production, Value 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 Production, Value 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 Production, Value 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 Production, Value 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 Production, Value 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 Production, Value 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 Production, Value 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 GLOBAL GALLIUM ARSENIDE (GAAS) WAFER PRODUCTION BY REGION

7.1 Global Gallium Arsenide (GaAs) Wafer Production by Region: 2019 VS 2023 VS 2030

7.2 Global Gallium Arsenide (GaAs) Wafer Production by Region (2019-2030)

7.2.1 Global Gallium Arsenide (GaAs) Wafer Production by Region: 2019-2024

7.2.2 Global Gallium Arsenide (GaAs) Wafer Production by Region (2025-2030)

7.3 Global Gallium Arsenide (GaAs) Wafer Production by Region: 2019 VS 2023 VS 2030

7.4 Global Gallium Arsenide (GaAs) Wafer Production Value by Region (2019-2030)

7.4.1 Global Gallium Arsenide (GaAs) Wafer Production Value by Region: 2019-2024

7.4.2 Global Gallium Arsenide (GaAs) Wafer Production Value by Region (2025-2030)

7.5 Global Gallium Arsenide (GaAs) Wafer Market Price Analysis by Region (2019-2024)

7.6 Regional Production Value Trends (2019-2030)

7.6.1 North America Gallium Arsenide (GaAs) Wafer Production Value (2019-2030)

7.6.2 Europe Gallium Arsenide (GaAs) Wafer Production Value (2019-2030)

7.6.3 Asia-Pacific Gallium Arsenide (GaAs) Wafer Production Value (2019-2030)

- 7.6.4 Latin America Gallium Arsenide (GaAs) Wafer Production Value (2019-2030)
- 7.6.5 Middle East & Africa Gallium Arsenide (GaAs) Wafer Production Value (2019-2030)

8 GLOBAL GALLIUM ARSENIDE (GAAS) WAFER CONSUMPTION BY REGION

8.1 Global Gallium Arsenide (GaAs) Wafer Consumption by Region: 2019 VS 2023 VS 2030

8.2 Global Gallium Arsenide (GaAs) Wafer Consumption by Region (2019-2030)

8.2.1 Global Gallium Arsenide (GaAs) Wafer Consumption by Region (2019-2024)

8.2.2 Global Gallium Arsenide (GaAs) Wafer Consumption by Region (2025-2030)

8.3 North America

8.3.1 North America Gallium Arsenide (GaAs) Wafer Consumption Growth Rate by Country: 2019 VS 2023 VS 2030

8.3.2 North America Gallium Arsenide (GaAs) Wafer Consumption by Country (2019-2030)

8.3.3 U.S.

8.3.4 Canada

8.4 Europe

8.4.1 Europe Gallium Arsenide (GaAs) Wafer Consumption Growth Rate by Country: 2019 VS 2023 VS 2030

8.4.2 Europe Gallium Arsenide (GaAs) Wafer Consumption by Country (2019-2030)

8.4.3 Germany

8.4.4 France

8.4.5 U.K.

8.4.6 Italy

8.4.7 Netherlands

8.5 Asia Pacific

8.5.1 Asia Pacific Gallium Arsenide (GaAs) Wafer Consumption Growth Rate by Country: 2019 VS 2023 VS 2030

8.5.2 Asia Pacific Gallium Arsenide (GaAs) Wafer Consumption by Country (2019-2030)

8.5.3 China

8.5.4 Japan

8.5.5 South Korea

8.5.6 Southeast Asia

8.5.7 India

8.5.8 Australia

8.6 LAMEA

8.6.1 LAMEA Gallium Arsenide (GaAs) Wafer Consumption Growth Rate by Country:
2019 VS 2023 VS 2030

8.6.2 LAMEA Gallium Arsenide (GaAs) Wafer Consumption by Country (2019-2030)

8.6.3 Mexico

8.6.4 Brazil

8.6.5 Turkey

8.6.6 GCC Countries

9 VALUE CHAIN AND SALES CHANNELS ANALYSIS

9.1 Gallium Arsenide (GaAs) Wafer Value Chain Analysis

9.1.1 Gallium Arsenide (GaAs) Wafer Key Raw Materials

9.1.2 Raw Materials Key Suppliers

9.1.3 Manufacturing Cost Structure

9.1.4 Gallium Arsenide (GaAs) Wafer Production Mode & Process

9.2 Gallium Arsenide (GaAs) Wafer Sales Channels Analysis

9.2.1 Direct Comparison with Distribution Share

9.2.2 Gallium Arsenide (GaAs) Wafer Distributors

9.2.3 Gallium Arsenide (GaAs) Wafer Customers

10 CONCLUDING INSIGHTS

11 APPENDIX

11.1 Reasons for Doing This Study

11.2 Research Methodology

11.3 Research Process

11.4 Authors List of This Report

11.5 Data Source

11.5.1 Secondary Sources

11.5.2 Primary Sources

11.6 Disclaimer

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