

Global Gallium Arsenide Next Generation Semiconductor Market Research Report 2023

<https://marketpublishers.com/r/GCA2DCE96188EN.html>

Date: December 2023

Pages: 90

Price: US\$ 2,900.00 (Single User License)

ID: GCA2DCE96188EN

Abstracts

The gallium arsenide wafers are next generation technology because they operate faster than the silicon semiconductors, they support a new, faster network called 5G. Gallium arsenide GaAs represents the next generation of semiconductor chips because the chips can do things that the silicon chips cannot do. GaAs does have a considerably higher bandgap than silicon. It is a direct band-gap semiconductor with a zinc blende crystal structure. Sensing for autonomous and electric vehicles is one use of technology. 3D Sensing for consumer electronics and use for lasers is common. Units are used in radar and lasers. The benefits of using GaAs in devices derive in part from the characteristic that GaAs generates less noise than most other types of semiconductor components. As a result, it is useful in weak-signal amplification applications. Due to these benefits related to generating less noise, GaAs is a suitable replacement for silicon in the manufacture of linear and digital ICs. A gallium arsenide wafer is also known as the Gallium arsenide substrate.

According to QYResearch's new survey, global Gallium Arsenide Next Generation Semiconductor market is projected to reach US\$ 25220 million in 2029, increasing from US\$ 12360 million in 2022, with the CAGR of 10.8% during the period of 2023 to 2029. Influencing issues, such as economy environments, COVID-19 and Russia-Ukraine War, have led to great market fluctuations in the past few years and are considered comprehensively in the whole Gallium Arsenide Next Generation Semiconductor market research.

The global market for semiconductor was estimated at US\$ 579 billion in the year 2022, is projected to US\$ 790 billion by 2029, growing at a CAGR of 6% during the forecast period. Although some major categories are still double-digit year-over-year growth in 2022, led by Analog with 20.76%, Sensor with 16.31%, and Logic with 14.46% growth,

Memory declined with 12.64% year over year. The microprocessor (MPU) and microcontroller (MCU) segments will experience stagnant growth due to weak shipments and investment in notebooks, computers, and standard desktops. In the current market scenario, the growing popularity of IoT-based electronics is stimulating the need for powerful processors and controllers. Hybrid MPUs and MCUs provide real-time embedded processing and control for the topmost IoT-based applications, resulting in significant market growth. The Analog IC segment is expected to grow gradually, while demand from the networking and communications industries is limited. Few of the emerging trends in the growing demand for Analog integrated circuits include signal conversion, automotive-specific Analog applications, and power management. They drive the growing demand for discrete power devices.

Report Scope

This report, based on historical analysis (2018-2022) and forecast calculation (2023-2029), aims to help readers to get a comprehensive understanding of global Gallium Arsenide Next Generation Semiconductor market with multiple angles, which provides sufficient supports to readers' strategy and decision making.

By Company

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

Segment by Type

LEC Grown GaAs

VGF Grown GaAs

Segment by Application

Wireless Communication

Optoelectronic Devices

Others

Production by Region

North America

Europe

China

Japan

South Korea

Consumption by Region

North America

United States

Canada

Europe

Germany

France

U.K.

Italy

Russia

Asia-Pacific

China

Japan

South Korea

China Taiwan

Southeast Asia

India

Latin America, Middle East & Africa

Mexico

Brazil

Turkey

GCC Countries

The Gallium Arsenide Next Generation Semiconductor report covers below items:

Chapter 1: Product Basic Information (Definition, type and application)

Chapter 2: Manufacturers' Competition Patterns

Chapter 3: Production Region Distribution and Analysis

Chapter 4: Country Level Sales Analysis

Chapter 5: Product Type Analysis

Chapter 6: Product Application Analysis

Chapter 7: Manufacturers' Outline

Chapter 8: Industry Chain, Market Channel and Customer Analysis

Chapter 9: Market Opportunities and Challenges

Chapter 10: Market Conclusions

Chapter 11: Research Methodology and Data Source

Contents

1 GALLIUM ARSENIDE NEXT GENERATION SEMICONDUCTOR MARKET OVERVIEW

1.1 Product Definition

1.2 Gallium Arsenide Next Generation Semiconductor Segment by Type

1.2.1 Global Gallium Arsenide Next Generation Semiconductor Market Value Growth Rate Analysis by Type 2022 VS 2029

1.2.2 LEC Grown GaAs

1.2.3 VGF Grown GaAs

1.3 Gallium Arsenide Next Generation Semiconductor Segment by Application

1.3.1 Global Gallium Arsenide Next Generation Semiconductor Market Value Growth Rate Analysis by Application: 2022 VS 2029

1.3.2 Wireless Communication

1.3.3 Optoelectronic Devices

1.3.4 Others

1.4 Global Market Growth Prospects

1.4.1 Global Gallium Arsenide Next Generation Semiconductor Production Value Estimates and Forecasts (2018-2029)

1.4.2 Global Gallium Arsenide Next Generation Semiconductor Production Capacity Estimates and Forecasts (2018-2029)

1.4.3 Global Gallium Arsenide Next Generation Semiconductor Production Estimates and Forecasts (2018-2029)

1.4.4 Global Gallium Arsenide Next Generation Semiconductor Market Average Price Estimates and Forecasts (2018-2029)

1.5 Assumptions and Limitations

2 MARKET COMPETITION BY MANUFACTURERS

2.1 Global Gallium Arsenide Next Generation Semiconductor Production Market Share by Manufacturers (2018-2023)

2.2 Global Gallium Arsenide Next Generation Semiconductor Production Value Market Share by Manufacturers (2018-2023)

2.3 Global Key Players of Gallium Arsenide Next Generation Semiconductor, Industry Ranking, 2021 VS 2022 VS 2023

2.4 Global Gallium Arsenide Next Generation Semiconductor Market Share by Company Type (Tier 1, Tier 2 and Tier 3)

2.5 Global Gallium Arsenide Next Generation Semiconductor Average Price by

Manufacturers (2018-2023)

2.6 Global Key Manufacturers of Gallium Arsenide Next Generation Semiconductor, Manufacturing Base Distribution and Headquarters

2.7 Global Key Manufacturers of Gallium Arsenide Next Generation Semiconductor, Product Offered and Application

2.8 Global Key Manufacturers of Gallium Arsenide Next Generation Semiconductor, Date of Enter into This Industry

2.9 Gallium Arsenide Next Generation Semiconductor Market Competitive Situation and Trends

2.9.1 Gallium Arsenide Next Generation Semiconductor Market Concentration Rate

2.9.2 Global 5 and 10 Largest Gallium Arsenide Next Generation Semiconductor Players Market Share by Revenue

2.10 Mergers & Acquisitions, Expansion

3 GALLIUM ARSENIDE NEXT GENERATION SEMICONDUCTOR PRODUCTION BY REGION

3.1 Global Gallium Arsenide Next Generation Semiconductor Production Value Estimates and Forecasts by Region: 2018 VS 2022 VS 2029

3.2 Global Gallium Arsenide Next Generation Semiconductor Production Value by Region (2018-2029)

3.2.1 Global Gallium Arsenide Next Generation Semiconductor Production Value Market Share by Region (2018-2023)

3.2.2 Global Forecasted Production Value of Gallium Arsenide Next Generation Semiconductor by Region (2024-2029)

3.3 Global Gallium Arsenide Next Generation Semiconductor Production Estimates and Forecasts by Region: 2018 VS 2022 VS 2029

3.4 Global Gallium Arsenide Next Generation Semiconductor Production by Region (2018-2029)

3.4.1 Global Gallium Arsenide Next Generation Semiconductor Production Market Share by Region (2018-2023)

3.4.2 Global Forecasted Production of Gallium Arsenide Next Generation Semiconductor by Region (2024-2029)

3.5 Global Gallium Arsenide Next Generation Semiconductor Market Price Analysis by Region (2018-2023)

3.6 Global Gallium Arsenide Next Generation Semiconductor Production and Value, Year-over-Year Growth

3.6.1 North America Gallium Arsenide Next Generation Semiconductor Production Value Estimates and Forecasts (2018-2029)

3.6.2 Europe Gallium Arsenide Next Generation Semiconductor Production Value Estimates and Forecasts (2018-2029)

3.6.3 China Gallium Arsenide Next Generation Semiconductor Production Value Estimates and Forecasts (2018-2029)

3.6.4 Japan Gallium Arsenide Next Generation Semiconductor Production Value Estimates and Forecasts (2018-2029)

3.6.5 South Korea Gallium Arsenide Next Generation Semiconductor Production Value Estimates and Forecasts (2018-2029)

4 GALLIUM ARSENIDE NEXT GENERATION SEMICONDUCTOR CONSUMPTION BY REGION

4.1 Global Gallium Arsenide Next Generation Semiconductor Consumption Estimates and Forecasts by Region: 2018 VS 2022 VS 2029

4.2 Global Gallium Arsenide Next Generation Semiconductor Consumption by Region (2018-2029)

4.2.1 Global Gallium Arsenide Next Generation Semiconductor Consumption by Region (2018-2023)

4.2.2 Global Gallium Arsenide Next Generation Semiconductor Forecasted Consumption by Region (2024-2029)

4.3 North America

4.3.1 North America Gallium Arsenide Next Generation Semiconductor Consumption Growth Rate by Country: 2018 VS 2022 VS 2029

4.3.2 North America Gallium Arsenide Next Generation Semiconductor Consumption by Country (2018-2029)

4.3.3 United States

4.3.4 Canada

4.4 Europe

4.4.1 Europe Gallium Arsenide Next Generation Semiconductor Consumption Growth Rate by Country: 2018 VS 2022 VS 2029

4.4.2 Europe Gallium Arsenide Next Generation Semiconductor Consumption by Country (2018-2029)

4.4.3 Germany

4.4.4 France

4.4.5 U.K.

4.4.6 Italy

4.4.7 Russia

4.5 Asia Pacific

4.5.1 Asia Pacific Gallium Arsenide Next Generation Semiconductor Consumption

Growth Rate by Region: 2018 VS 2022 VS 2029

4.5.2 Asia Pacific Gallium Arsenide Next Generation Semiconductor Consumption by Region (2018-2029)

4.5.3 China

4.5.4 Japan

4.5.5 South Korea

4.5.6 China Taiwan

4.5.7 Southeast Asia

4.5.8 India

4.6 Latin America, Middle East & Africa

4.6.1 Latin America, Middle East & Africa Gallium Arsenide Next Generation Semiconductor Consumption Growth Rate by Country: 2018 VS 2022 VS 2029

4.6.2 Latin America, Middle East & Africa Gallium Arsenide Next Generation Semiconductor Consumption by Country (2018-2029)

4.6.3 Mexico

4.6.4 Brazil

4.6.5 Turkey

5 SEGMENT BY TYPE

5.1 Global Gallium Arsenide Next Generation Semiconductor Production by Type (2018-2029)

5.1.1 Global Gallium Arsenide Next Generation Semiconductor Production by Type (2018-2023)

5.1.2 Global Gallium Arsenide Next Generation Semiconductor Production by Type (2024-2029)

5.1.3 Global Gallium Arsenide Next Generation Semiconductor Production Market Share by Type (2018-2029)

5.2 Global Gallium Arsenide Next Generation Semiconductor Production Value by Type (2018-2029)

5.2.1 Global Gallium Arsenide Next Generation Semiconductor Production Value by Type (2018-2023)

5.2.2 Global Gallium Arsenide Next Generation Semiconductor Production Value by Type (2024-2029)

5.2.3 Global Gallium Arsenide Next Generation Semiconductor Production Value Market Share by Type (2018-2029)

5.3 Global Gallium Arsenide Next Generation Semiconductor Price by Type (2018-2029)

6 SEGMENT BY APPLICATION

6.1 Global Gallium Arsenide Next Generation Semiconductor Production by Application (2018-2029)

6.1.1 Global Gallium Arsenide Next Generation Semiconductor Production by Application (2018-2023)

6.1.2 Global Gallium Arsenide Next Generation Semiconductor Production by Application (2024-2029)

6.1.3 Global Gallium Arsenide Next Generation Semiconductor Production Market Share by Application (2018-2029)

6.2 Global Gallium Arsenide Next Generation Semiconductor Production Value by Application (2018-2029)

6.2.1 Global Gallium Arsenide Next Generation Semiconductor Production Value by Application (2018-2023)

6.2.2 Global Gallium Arsenide Next Generation Semiconductor Production Value by Application (2024-2029)

6.2.3 Global Gallium Arsenide Next Generation Semiconductor Production Value Market Share by Application (2018-2029)

6.3 Global Gallium Arsenide Next Generation Semiconductor Price by Application (2018-2029)

7 KEY COMPANIES PROFILED

7.1 Freiberger Compound Materials

7.1.1 Freiberger Compound Materials Gallium Arsenide Next Generation Semiconductor Corporation Information

7.1.2 Freiberger Compound Materials Gallium Arsenide Next Generation Semiconductor Product Portfolio

7.1.3 Freiberger Compound Materials Gallium Arsenide Next Generation Semiconductor Production, Value, Price and Gross Margin (2018-2023)

7.1.4 Freiberger Compound Materials Main Business and Markets Served

7.1.5 Freiberger Compound Materials Recent Developments/Updates

7.2 AXT

7.2.1 AXT Gallium Arsenide Next Generation Semiconductor Corporation Information

7.2.2 AXT Gallium Arsenide Next Generation Semiconductor Product Portfolio

7.2.3 AXT Gallium Arsenide Next Generation Semiconductor Production, Value, Price and Gross Margin (2018-2023)

7.2.4 AXT Main Business and Markets Served

7.2.5 AXT Recent Developments/Updates

7.3 Sumitomo Electric

7.3.1 Sumitomo Electric Gallium Arsenide Next Generation Semiconductor

Corporation Information

7.3.2 Sumitomo Electric Gallium Arsenide Next Generation Semiconductor Product Portfolio

7.3.3 Sumitomo Electric Gallium Arsenide Next Generation Semiconductor Production, Value, Price and Gross Margin (2018-2023)

7.3.4 Sumitomo Electric Main Business and Markets Served

7.3.5 Sumitomo Electric Recent Developments/Updates

7.4 China Crystal Technologies

7.4.1 China Crystal Technologies Gallium Arsenide Next Generation Semiconductor Corporation Information

7.4.2 China Crystal Technologies Gallium Arsenide Next Generation Semiconductor Product Portfolio

7.4.3 China Crystal Technologies Gallium Arsenide Next Generation Semiconductor Production, Value, Price and Gross Margin (2018-2023)

7.4.4 China Crystal Technologies Main Business and Markets Served

7.4.5 China Crystal Technologies Recent Developments/Updates

7.5 Shenzhou Crystal Technology

7.5.1 Shenzhou Crystal Technology Gallium Arsenide Next Generation Semiconductor Corporation Information

7.5.2 Shenzhou Crystal Technology Gallium Arsenide Next Generation Semiconductor Product Portfolio

7.5.3 Shenzhou Crystal Technology Gallium Arsenide Next Generation Semiconductor Production, Value, Price and Gross Margin (2018-2023)

7.5.4 Shenzhou Crystal Technology Main Business and Markets Served

7.5.5 Shenzhou Crystal Technology Recent Developments/Updates

7.6 Tianjin Jingming Electronic Materials

7.6.1 Tianjin Jingming Electronic Materials Gallium Arsenide Next Generation Semiconductor Corporation Information

7.6.2 Tianjin Jingming Electronic Materials Gallium Arsenide Next Generation Semiconductor Product Portfolio

7.6.3 Tianjin Jingming Electronic Materials Gallium Arsenide Next Generation Semiconductor Production, Value, Price and Gross Margin (2018-2023)

7.6.4 Tianjin Jingming Electronic Materials Main Business and Markets Served

7.6.5 Tianjin Jingming Electronic Materials Recent Developments/Updates

7.7 Yunnan Germanium

7.7.1 Yunnan Germanium Gallium Arsenide Next Generation Semiconductor Corporation Information

7.7.2 Yunnan Germanium Gallium Arsenide Next Generation Semiconductor Product Portfolio

7.7.3 Yunnan Germanium Gallium Arsenide Next Generation Semiconductor Production, Value, Price and Gross Margin (2018-2023)

7.7.4 Yunnan Germanium Main Business and Markets Served

7.7.5 Yunnan Germanium Recent Developments/Updates

7.8 DOWA Electronics Materials

7.8.1 DOWA Electronics Materials Gallium Arsenide Next Generation Semiconductor Corporation Information

7.8.2 DOWA Electronics Materials Gallium Arsenide Next Generation Semiconductor Product Portfolio

7.8.3 DOWA Electronics Materials Gallium Arsenide Next Generation Semiconductor Production, Value, Price and Gross Margin (2018-2023)

7.8.4 DOWA Electronics Materials Main Business and Markets Served

7.7.5 DOWA Electronics Materials Recent Developments/Updates

7.9 II-VI Incorporated

7.9.1 II-VI Incorporated Gallium Arsenide Next Generation Semiconductor Corporation Information

7.9.2 II-VI Incorporated Gallium Arsenide Next Generation Semiconductor Product Portfolio

7.9.3 II-VI Incorporated Gallium Arsenide Next Generation Semiconductor Production, Value, Price and Gross Margin (2018-2023)

7.9.4 II-VI Incorporated Main Business and Markets Served

7.9.5 II-VI Incorporated Recent Developments/Updates

7.10 IQE Corporation

7.10.1 IQE Corporation Gallium Arsenide Next Generation Semiconductor Corporation Information

7.10.2 IQE Corporation Gallium Arsenide Next Generation Semiconductor Product Portfolio

7.10.3 IQE Corporation Gallium Arsenide Next Generation Semiconductor Production, Value, Price and Gross Margin (2018-2023)

7.10.4 IQE Corporation Main Business and Markets Served

7.10.5 IQE Corporation Recent Developments/Updates

7.11 Wafer Technology

7.11.1 Wafer Technology Gallium Arsenide Next Generation Semiconductor Corporation Information

7.11.2 Wafer Technology Gallium Arsenide Next Generation Semiconductor Product Portfolio

7.11.3 Wafer Technology Gallium Arsenide Next Generation Semiconductor

Production, Value, Price and Gross Margin (2018-2023)

7.11.4 Wafer Technology Main Business and Markets Served

7.11.5 Wafer Technology Recent Developments/Updates

8 INDUSTRY CHAIN AND SALES CHANNELS ANALYSIS

8.1 Gallium Arsenide Next Generation Semiconductor Industry Chain Analysis

8.2 Gallium Arsenide Next Generation Semiconductor Key Raw Materials

8.2.1 Key Raw Materials

8.2.2 Raw Materials Key Suppliers

8.3 Gallium Arsenide Next Generation Semiconductor Production Mode & Process

8.4 Gallium Arsenide Next Generation Semiconductor Sales and Marketing

8.4.1 Gallium Arsenide Next Generation Semiconductor Sales Channels

8.4.2 Gallium Arsenide Next Generation Semiconductor Distributors

8.5 Gallium Arsenide Next Generation Semiconductor Customers

9 GALLIUM ARSENIDE NEXT GENERATION SEMICONDUCTOR MARKET DYNAMICS

9.1 Gallium Arsenide Next Generation Semiconductor Industry Trends

9.2 Gallium Arsenide Next Generation Semiconductor Market Drivers

9.3 Gallium Arsenide Next Generation Semiconductor Market Challenges

9.4 Gallium Arsenide Next Generation Semiconductor Market Restraints

10 RESEARCH FINDING AND CONCLUSION

11 METHODOLOGY AND DATA SOURCE

11.1 Methodology/Research Approach

11.1.1 Research Programs/Design

11.1.2 Market Size Estimation

11.1.3 Market Breakdown and Data Triangulation

11.2 Data Source

11.2.1 Secondary Sources

11.2.2 Primary Sources

11.3 Author List

11.4 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. Global Gallium Arsenide Next Generation Semiconductor Market Value by Type, (US\$ Million) & (2022 VS 2029)

Table 2. Global Gallium Arsenide Next Generation Semiconductor Market Value by Application, (US\$ Million) & (2022 VS 2029)

Table 3. Global Gallium Arsenide Next Generation Semiconductor Production Capacity (K Units) by Manufacturers in 2022

Table 4. Global Gallium Arsenide Next Generation Semiconductor Production by Manufacturers (2018-2023) & (K Units)

Table 5. Global Gallium Arsenide Next Generation Semiconductor Production Market Share by Manufacturers (2018-2023)

Table 6. Global Gallium Arsenide Next Generation Semiconductor Production Value by Manufacturers (2018-2023) & (US\$ Million)

Table 7. Global Gallium Arsenide Next Generation Semiconductor Production Value Share by Manufacturers (2018-2023)

Table 8. Global Gallium Arsenide Next Generation Semiconductor Industry Ranking 2021 VS 2022 VS 2023

Table 9. Company Type (Tier 1, Tier 2 and Tier 3) & (based on the Revenue in Gallium Arsenide Next Generation Semiconductor as of 2022)

Table 10. Global Market Gallium Arsenide Next Generation Semiconductor Average Price by Manufacturers (US\$/Unit) & (2018-2023)

Table 11. Manufacturers Gallium Arsenide Next Generation Semiconductor Production Sites and Area Served

Table 12. Manufacturers Gallium Arsenide Next Generation Semiconductor Product Types

Table 13. Global Gallium Arsenide Next Generation Semiconductor Manufacturers Market Concentration Ratio (CR5 and HHI)

Table 14. Mergers & Acquisitions, Expansion

Table 15. Global Gallium Arsenide Next Generation Semiconductor Production Value by Region: 2018 VS 2022 VS 2029 (US\$ Million)

Table 16. Global Gallium Arsenide Next Generation Semiconductor Production Value (US\$ Million) by Region (2018-2023)

Table 17. Global Gallium Arsenide Next Generation Semiconductor Production Value Market Share by Region (2018-2023)

Table 18. Global Gallium Arsenide Next Generation Semiconductor Production Value (US\$ Million) Forecast by Region (2024-2029)

Table 19. Global Gallium Arsenide Next Generation Semiconductor Production Value Market Share Forecast by Region (2024-2029)

Table 20. Global Gallium Arsenide Next Generation Semiconductor Production Comparison by Region: 2018 VS 2022 VS 2029 (K Units)

Table 21. Global Gallium Arsenide Next Generation Semiconductor Production (K Units) by Region (2018-2023)

Table 22. Global Gallium Arsenide Next Generation Semiconductor Production Market Share by Region (2018-2023)

Table 23. Global Gallium Arsenide Next Generation Semiconductor Production (K Units) Forecast by Region (2024-2029)

Table 24. Global Gallium Arsenide Next Generation Semiconductor Production Market Share Forecast by Region (2024-2029)

Table 25. Global Gallium Arsenide Next Generation Semiconductor Market Average Price (US\$/Unit) by Region (2018-2023)

Table 26. Global Gallium Arsenide Next Generation Semiconductor Market Average Price (US\$/Unit) by Region (2024-2029)

Table 27. Global Gallium Arsenide Next Generation Semiconductor Consumption Growth Rate by Region: 2018 VS 2022 VS 2029 (K Units)

Table 28. Global Gallium Arsenide Next Generation Semiconductor Consumption by Region (2018-2023) & (K Units)

Table 29. Global Gallium Arsenide Next Generation Semiconductor Consumption Market Share by Region (2018-2023)

Table 30. Global Gallium Arsenide Next Generation Semiconductor Forecasted Consumption by Region (2024-2029) & (K Units)

Table 31. Global Gallium Arsenide Next Generation Semiconductor Forecasted Consumption Market Share by Region (2018-2023)

Table 32. North America Gallium Arsenide Next Generation Semiconductor Consumption Growth Rate by Country: 2018 VS 2022 VS 2029 (K Units)

Table 33. North America Gallium Arsenide Next Generation Semiconductor Consumption by Country (2018-2023) & (K Units)

Table 34. North America Gallium Arsenide Next Generation Semiconductor Consumption by Country (2024-2029) & (K Units)

Table 35. Europe Gallium Arsenide Next Generation Semiconductor Consumption Growth Rate by Country: 2018 VS 2022 VS 2029 (K Units)

Table 36. Europe Gallium Arsenide Next Generation Semiconductor Consumption by Country (2018-2023) & (K Units)

Table 37. Europe Gallium Arsenide Next Generation Semiconductor Consumption by Country (2024-2029) & (K Units)

Table 38. Asia Pacific Gallium Arsenide Next Generation Semiconductor Consumption

Growth Rate by Region: 2018 VS 2022 VS 2029 (K Units)

Table 39. Asia Pacific Gallium Arsenide Next Generation Semiconductor Consumption by Region (2018-2023) & (K Units)

Table 40. Asia Pacific Gallium Arsenide Next Generation Semiconductor Consumption by Region (2024-2029) & (K Units)

Table 41. Latin America, Middle East & Africa Gallium Arsenide Next Generation Semiconductor Consumption Growth Rate by Country: 2018 VS 2022 VS 2029 (K Units)

Table 42. Latin America, Middle East & Africa Gallium Arsenide Next Generation Semiconductor Consumption by Country (2018-2023) & (K Units)

Table 43. Latin America, Middle East & Africa Gallium Arsenide Next Generation Semiconductor Consumption by Country (2024-2029) & (K Units)

Table 44. Global Gallium Arsenide Next Generation Semiconductor Production (K Units) by Type (2018-2023)

Table 45. Global Gallium Arsenide Next Generation Semiconductor Production (K Units) by Type (2024-2029)

Table 46. Global Gallium Arsenide Next Generation Semiconductor Production Market Share by Type (2018-2023)

Table 47. Global Gallium Arsenide Next Generation Semiconductor Production Market Share by Type (2024-2029)

Table 48. Global Gallium Arsenide Next Generation Semiconductor Production Value (US\$ Million) by Type (2018-2023)

Table 49. Global Gallium Arsenide Next Generation Semiconductor Production Value (US\$ Million) by Type (2024-2029)

Table 50. Global Gallium Arsenide Next Generation Semiconductor Production Value Share by Type (2018-2023)

Table 51. Global Gallium Arsenide Next Generation Semiconductor Production Value Share by Type (2024-2029)

Table 52. Global Gallium Arsenide Next Generation Semiconductor Price (US\$/Unit) by Type (2018-2023)

Table 53. Global Gallium Arsenide Next Generation Semiconductor Price (US\$/Unit) by Type (2024-2029)

Table 54. Global Gallium Arsenide Next Generation Semiconductor Production (K Units) by Application (2018-2023)

Table 55. Global Gallium Arsenide Next Generation Semiconductor Production (K Units) by Application (2024-2029)

Table 56. Global Gallium Arsenide Next Generation Semiconductor Production Market Share by Application (2018-2023)

Table 57. Global Gallium Arsenide Next Generation Semiconductor Production Market

Share by Application (2024-2029)

Table 58. Global Gallium Arsenide Next Generation Semiconductor Production Value (US\$ Million) by Application (2018-2023)

Table 59. Global Gallium Arsenide Next Generation Semiconductor Production Value (US\$ Million) by Application (2024-2029)

Table 60. Global Gallium Arsenide Next Generation Semiconductor Production Value Share by Application (2018-2023)

Table 61. Global Gallium Arsenide Next Generation Semiconductor Production Value Share by Application (2024-2029)

Table 62. Global Gallium Arsenide Next Generation Semiconductor Price (US\$/Unit) by Application (2018-2023)

Table 63. Global Gallium Arsenide Next Generation Semiconductor Price (US\$/Unit) by Application (2024-2029)

Table 64. Freiberger Compound Materials Gallium Arsenide Next Generation Semiconductor Corporation Information

Table 65. Freiberger Compound Materials Specification and Application

Table 66. Freiberger Compound Materials Gallium Arsenide Next Generation Semiconductor Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 67. Freiberger Compound Materials Main Business and Markets Served

Table 68. Freiberger Compound Materials Recent Developments/Updates

Table 69. AXT Gallium Arsenide Next Generation Semiconductor Corporation Information

Table 70. AXT Specification and Application

Table 71. AXT Gallium Arsenide Next Generation Semiconductor Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 72. AXT Main Business and Markets Served

Table 73. AXT Recent Developments/Updates

Table 74. Sumitomo Electric Gallium Arsenide Next Generation Semiconductor Corporation Information

Table 75. Sumitomo Electric Specification and Application

Table 76. Sumitomo Electric Gallium Arsenide Next Generation Semiconductor Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 77. Sumitomo Electric Main Business and Markets Served

Table 78. Sumitomo Electric Recent Developments/Updates

Table 79. China Crystal Technologies Gallium Arsenide Next Generation Semiconductor Corporation Information

Table 80. China Crystal Technologies Specification and Application

Table 81. China Crystal Technologies Gallium Arsenide Next Generation Semiconductor Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 82. China Crystal Technologies Main Business and Markets Served

Table 83. China Crystal Technologies Recent Developments/Updates

Table 84. Shenzhou Crystal Technology Gallium Arsenide Next Generation Semiconductor Corporation Information

Table 85. Shenzhou Crystal Technology Specification and Application

Table 86. Shenzhou Crystal Technology Gallium Arsenide Next Generation Semiconductor Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 87. Shenzhou Crystal Technology Main Business and Markets Served

Table 88. Shenzhou Crystal Technology Recent Developments/Updates

Table 89. Tianjin Jingming Electronic Materials Gallium Arsenide Next Generation Semiconductor Corporation Information

Table 90. Tianjin Jingming Electronic Materials Specification and Application

Table 91. Tianjin Jingming Electronic Materials Gallium Arsenide Next Generation Semiconductor Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 92. Tianjin Jingming Electronic Materials Main Business and Markets Served

Table 93. Tianjin Jingming Electronic Materials Recent Developments/Updates

Table 94. Yunnan Germanium Gallium Arsenide Next Generation Semiconductor Corporation Information

Table 95. Yunnan Germanium Specification and Application

Table 96. Yunnan Germanium Gallium Arsenide Next Generation Semiconductor Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 97. Yunnan Germanium Main Business and Markets Served

Table 98. Yunnan Germanium Recent Developments/Updates

Table 99. DOWA Electronics Materials Gallium Arsenide Next Generation Semiconductor Corporation Information

Table 100. DOWA Electronics Materials Specification and Application

Table 101. DOWA Electronics Materials Gallium Arsenide Next Generation Semiconductor Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 102. DOWA Electronics Materials Main Business and Markets Served

Table 103. DOWA Electronics Materials Recent Developments/Updates

Table 104. II-VI Incorporated Gallium Arsenide Next Generation Semiconductor Corporation Information

- Table 105. II-VI Incorporated Specification and Application
- Table 106. II-VI Incorporated Gallium Arsenide Next Generation Semiconductor Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)
- Table 107. II-VI Incorporated Main Business and Markets Served
- Table 108. II-VI Incorporated Recent Developments/Updates
- Table 109. IQE Corporation Gallium Arsenide Next Generation Semiconductor Corporation Information
- Table 110. IQE Corporation Specification and Application
- Table 111. IQE Corporation Gallium Arsenide Next Generation Semiconductor Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)
- Table 112. IQE Corporation Main Business and Markets Served
- Table 113. IQE Corporation Recent Developments/Updates
- Table 114. Wafer Technology Gallium Arsenide Next Generation Semiconductor Corporation Information
- Table 115. Wafer Technology Specification and Application
- Table 116. Wafer Technology Gallium Arsenide Next Generation Semiconductor Production (K Units), Value (US\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)
- Table 117. Wafer Technology Main Business and Markets Served
- Table 118. Wafer Technology Recent Developments/Updates
- Table 119. Key Raw Materials Lists
- Table 120. Raw Materials Key Suppliers Lists
- Table 121. Gallium Arsenide Next Generation Semiconductor Distributors List
- Table 122. Gallium Arsenide Next Generation Semiconductor Customers List
- Table 123. Gallium Arsenide Next Generation Semiconductor Market Trends
- Table 124. Gallium Arsenide Next Generation Semiconductor Market Drivers
- Table 125. Gallium Arsenide Next Generation Semiconductor Market Challenges
- Table 126. Gallium Arsenide Next Generation Semiconductor Market Restraints
- Table 127. Research Programs/Design for This Report
- Table 128. Key Data Information from Secondary Sources
- Table 129. Key Data Information from Primary Sources

List Of Figures

LIST OF FIGURES

Figure 1. Product Picture of Gallium Arsenide Next Generation Semiconductor

Figure 2. Global Gallium Arsenide Next Generation Semiconductor Market Value by Type, (US\$ Million) & (2022 VS 2029)

Figure 3. Global Gallium Arsenide Next Generation Semiconductor Market Share by Type: 2022 VS 2029

Figure 4. LEC Grown GaAs Product Picture

Figure 5. VGF Grown GaAs Product Picture

Figure 6. Global Gallium Arsenide Next Generation Semiconductor Market Value by Application, (US\$ Million) & (2022 VS 2029)

Figure 7. Global Gallium Arsenide Next Generation Semiconductor Market Share by Application: 2022 VS 2029

Figure 8. Wireless Communication

Figure 9. Optoelectronic Devices

Figure 10. Others

Figure 11. Global Gallium Arsenide Next Generation Semiconductor Production Value (US\$ Million), 2018 VS 2022 VS 2029

Figure 12. Global Gallium Arsenide Next Generation Semiconductor Production Value (US\$ Million) & (2018-2029)

Figure 13. Global Gallium Arsenide Next Generation Semiconductor Production (K Units) & (2018-2029)

Figure 14. Global Gallium Arsenide Next Generation Semiconductor Average Price (US\$/Unit) & (2018-2029)

Figure 15. Gallium Arsenide Next Generation Semiconductor Report Years Considered

Figure 16. Gallium Arsenide Next Generation Semiconductor Production Share by Manufacturers in 2022

Figure 17. Gallium Arsenide Next Generation Semiconductor Market Share by Company Type (Tier 1, Tier 2, and Tier 3): 2018 VS 2022

Figure 18. The Global 5 and 10 Largest Players: Market Share by Gallium Arsenide Next Generation Semiconductor Revenue in 2022

Figure 19. Global Gallium Arsenide Next Generation Semiconductor Production Value by Region: 2018 VS 2022 VS 2029 (US\$ Million)

Figure 20. Global Gallium Arsenide Next Generation Semiconductor Production Value Market Share by Region: 2018 VS 2022 VS 2029

Figure 21. Global Gallium Arsenide Next Generation Semiconductor Production Comparison by Region: 2018 VS 2022 VS 2029 (K Units)

Figure 22. Global Gallium Arsenide Next Generation Semiconductor Production Market Share by Region: 2018 VS 2022 VS 2029

Figure 23. North America Gallium Arsenide Next Generation Semiconductor Production Value (US\$ Million) Growth Rate (2018-2029)

Figure 24. Europe Gallium Arsenide Next Generation Semiconductor Production Value (US\$ Million) Growth Rate (2018-2029)

Figure 25. China Gallium Arsenide Next Generation Semiconductor Production Value (US\$ Million) Growth Rate (2018-2029)

Figure 26. Japan Gallium Arsenide Next Generation Semiconductor Production Value (US\$ Million) Growth Rate (2018-2029)

Figure 27. South Korea Gallium Arsenide Next Generation Semiconductor Production Value (US\$ Million) Growth Rate (2018-2029)

Figure 28. Global Gallium Arsenide Next Generation Semiconductor Consumption by Region: 2018 VS 2022 VS 2029 (K Units)

Figure 29. Global Gallium Arsenide Next Generation Semiconductor Consumption Market Share by Region: 2018 VS 2022 VS 2029

Figure 30. North America Gallium Arsenide Next Generation Semiconductor Consumption and Growth Rate (2018-2023) & (K Units)

Figure 31. North America Gallium Arsenide Next Generation Semiconductor Consumption Market Share by Country (2018-2029)

Figure 32. Canada Gallium Arsenide Next Generation Semiconductor Consumption and Growth Rate (2018-2023) & (K Units)

Figure 33. U.S. Gallium Arsenide Next Generation Semiconductor Consumption and Growth Rate (2018-2023) & (K Units)

Figure 34. Europe Gallium Arsenide Next Generation Semiconductor Consumption and Growth Rate (2018-2023) & (K Units)

Figure 35. Europe Gallium Arsenide Next Generation Semiconductor Consumption Market Share by Country (2018-2029)

Figure 36. Germany Gallium Arsenide Next Generation Semiconductor Consumption and Growth Rate (2018-2023) & (K Units)

Figure 37. France Gallium Arsenide Next Generation Semiconductor Consumption and Growth Rate (2018-2023) & (K Units)

Figure 38. U.K. Gallium Arsenide Next Generation Semiconductor Consumption and Growth Rate (2018-2023) & (K Units)

Figure 39. Italy Gallium Arsenide Next Generation Semiconductor Consumption and Growth Rate (2018-2023) & (K Units)

Figure 40. Russia Gallium Arsenide Next Generation Semiconductor Consumption and Growth Rate (2018-2023) & (K Units)

Figure 41. Asia Pacific Gallium Arsenide Next Generation Semiconductor Consumption

and Growth Rate (2018-2023) & (K Units)

Figure 42. Asia Pacific Gallium Arsenide Next Generation Semiconductor Consumption Market Share by Regions (2018-2029)

Figure 43. China Gallium Arsenide Next Generation Semiconductor Consumption and Growth Rate (2018-2023) & (K Units)

Figure 44. Japan Gallium Arsenide Next Generation Semiconductor Consumption and Growth Rate (2018-2023) & (K Units)

Figure 45. South Korea Gallium Arsenide Next Generation Semiconductor Consumption and Growth Rate (2018-2023) & (K Units)

Figure 46. China Taiwan Gallium Arsenide Next Generation Semiconductor Consumption and Growth Rate (2018-2023) & (K Units)

Figure 47. Southeast Asia Gallium Arsenide Next Generation Semiconductor Consumption and Growth Rate (2018-2023) & (K Units)

Figure 48. India Gallium Arsenide Next Generation Semiconductor Consumption and Growth Rate (2018-2023) & (K Units)

Figure 49. Latin America, Middle East & Africa Gallium Arsenide Next Generation Semiconductor Consumption and Growth Rate (2018-2023) & (K Units)

Figure 50. Latin America, Middle East & Africa Gallium Arsenide Next Generation Semiconductor Consumption Market Share by Country (2018-2029)

Figure 51. Mexico Gallium Arsenide Next Generation Semiconductor Consumption and Growth Rate (2018-2023) & (K Units)

Figure 52. Brazil Gallium Arsenide Next Generation Semiconductor Consumption and Growth Rate (2018-2023) & (K Units)

Figure 53. Turkey Gallium Arsenide Next Generation Semiconductor Consumption and Growth Rate (2018-2023) & (K Units)

Figure 54. GCC Countries Gallium Arsenide Next Generation Semiconductor Consumption and Growth Rate (2018-2023) & (K Units)

Figure 55. Global Production Market Share of Gallium Arsenide Next Generation Semiconductor by Type (2018-2029)

Figure 56. Global Production Value Market Share of Gallium Arsenide Next Generation Semiconductor by Type (2018-2029)

Figure 57. Global Gallium Arsenide Next Generation Semiconductor Price (US\$/Unit) by Type (2018-2029)

Figure 58. Global Production Market Share of Gallium Arsenide Next Generation Semiconductor by Application (2018-2029)

Figure 59. Global Production Value Market Share of Gallium Arsenide Next Generation Semiconductor by Application (2018-2029)

Figure 60. Global Gallium Arsenide Next Generation Semiconductor Price (US\$/Unit) by Application (2018-2029)

- Figure 61. Gallium Arsenide Next Generation Semiconductor Value Chain
- Figure 62. Gallium Arsenide Next Generation Semiconductor Production Process
- Figure 63. Channels of Distribution (Direct Vs Distribution)
- Figure 64. Distributors Profiles
- Figure 65. Bottom-up and Top-down Approaches for This Report
- Figure 66. Data Triangulation

I would like to order

Product name: Global Gallium Arsenide Next Generation Semiconductor Market Research Report 2023

Product link: <https://marketpublishers.com/r/GCA2DCE96188EN.html>

Price: US\$ 2,900.00 (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/GCA2DCE96188EN.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