

# Gallium Arsenide (GaAs) Wafer Market Status and Trend Analysis 2017-2026 (COVID-19 Version)

https://marketpublishers.com/r/G16A0D0E50F4EN.html

Date: November 2020

Pages: 97

Price: US\$ 2,800.00 (Single User License)

ID: G16A0D0E50F4EN

# **Abstracts**

#### **SUMMARY**

Further key aspects of the report indicate that:

Chapter 1: Research Scope: Product Definition, Type, End-Use & Methodology

Chapter 2: Global Industry Summary

Chapter 3: Market Dynamics

Chapter 4: Global Market Segmentation by region, type and End-Use

Chapter 5: North America Market Segmentation by region, type and End-Use

Chapter 6: Europe Market Segmentation by region, type and End-Use

Chapter 7: Asia-Pacific Market Segmentation by region, type and End-Use

Chapter 8: South America Market Segmentation by region, type and End-Use

Chapter 9: Middle East and Africa Market Segmentation by region, type and End-Use.

Chapter 10: Market Competition by Companies

Chapter 11: Market forecast and environment forecast.

Chapter 12: Industry Summary.

The global Gallium Arsenide (GaAs) Wafer market has the potential to grow with xx million USD with growing CAGR in the forecast period from 2021f to 2026f. Factors driving the market for @@@@@ are the significant development of demand and improvement of COVID-19 and geo-economics.

Based on the type of product, the global Gallium Arsenide (GaAs) Wafer market segmented into

Wireless Communication



VGF Grown GaAs

Based on the end-use, the global Gallium Arsenide (GaAs) Wafer market classified into

Wireless Communication

Optoelectronic Devices

Based on geography, the global Gallium Arsenide (GaAs) Wafer market segmented into

North America [U.S., Canada, Mexico]

Europe [Germany, UK, France, Italy, Rest of Europe]

Asia-Pacific [China, India, Japan, South Korea, Southeast Asia, Australia, Rest of Asia Pacific]

South America [Brazil, Argentina, Rest of Latin America]

Middle East & Africa [GCC, North Africa, South Africa, Rest of Middle East and Africa]

And the major players included in the report are

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



# **Contents**

### 1 RESEARCH SCOPE

- 1.1 Research Product Definition
- 1.2 Research Segmentation
  - 1.2.1 Product Type
  - 1.2.2 Main product Type of Major Players
- 1.3 Demand Overview
- 1.4 Research Methodology

# 2 GLOBAL GALLIUM ARSENIDE (GAAS) WAFER INDUSTRY

- 2.1 Summary about Gallium Arsenide (GaAs) Wafer Industry
- 2.2 Gallium Arsenide (GaAs) Wafer Market Trends
- 2.2.1 Gallium Arsenide (GaAs) Wafer Production & Consumption Trends
- 2.2.2 Gallium Arsenide (GaAs) Wafer Demand Structure Trends
- 2.3 Gallium Arsenide (GaAs) Wafer Cost & Price

#### **3 MARKET DYNAMICS**

- 3.1 Manufacturing & Purchasing Behavior in 2020
- 3.2 Market Development under the Impact of COVID-19
  - 3.2.1 Drivers
  - 3.2.2 Restraints
  - 3.2.3 Opportunity
  - 3.2.4 Risk

#### **4 GLOBAL MARKET SEGMENTATION**

- 4.1 Region Segmentation (2017 to 2021f)
  - 4.1.1 North America (U.S., Canada and Mexico)
  - 4.1.2 Europe (Germany, UK, France, Italy, Rest of Europe)
- 4.1.3 Asia-Pacific (China, India, Japan, South Korea, Southeast Asia, Australia, Rest of Asia Pacific)
  - 4.1.4 South America (Brazil, Argentina, Rest of Latin America)
- 4.1.5 Middle East and Africa (GCC, North Africa, South Africa, Rest of Middle East and Africa)
- 4.2 Product Type Segmentation (2017 to 2021f)



- 4.2.1 LEC Grown GaAs
- 4.2.2 VGF Grown GaAs
- 4.3 Consumption Segmentation (2017 to 2021f)
  - 4.3.1 Wireless Communication
  - 4.3.2 Optoelectronic Devices

#### **5 NORTH AMERICA MARKET SEGMENT**

- 5.1 Region Segmentation (2017 to 2021f)
  - 5.1.1 U.S.
  - 5.1.2 Canada
  - 5.1.3 Mexico
- 5.2 Product Type Segmentation (2017 to 2021f)
  - 5.2.1 LEC Grown GaAs
  - 5.2.2 VGF Grown GaAs
- 5.3 Consumption Segmentation (2017 to 2021f)
  - 5.3.1 Wireless Communication
  - 5.3.2 Optoelectronic Devices
- 5.4 Impact of COVID-19 in North America

#### **6 EUROPE MARKET SEGMENTATION**

- 6.1 Region Segmentation (2017 to 2021f)
  - 6.1.1 Germany
  - 6.1.2 UK
  - 6.1.3 France
  - 6.1.4 Italy
  - 6.1.5 Rest of Europe
- 6.2 Product Type Segmentation (2017 to 2021f)
  - 6.2.1 LEC Grown GaAs
  - 6.2.2 VGF Grown GaAs
- 6.3 Consumption Segmentation (2017 to 2021f)
  - 6.3.1 Wireless Communication
  - 6.3.2 Optoelectronic Devices
- 6.4 Impact of COVID-19 in Europe

#### **7 ASIA-PACIFIC MARKET SEGMENTATION**

7.1 Region Segmentation (2017 to 2021f)



- 7.1.1 China
- 7.1.2 India
- 7.1.3 Japan
- 7.1.4 South Korea
- 7.1.5 Southeast Asia
- 7.1.6 Australia
- 7.1.7 Rest of Asia Pacific
- 7.2 Product Type Segmentation (2017 to 2021f)
  - 7.2.1 LEC Grown GaAs
  - 7.2.2 VGF Grown GaAs
- 7.3 Consumption Segmentation (2017 to 2021f)
  - 7.3.1 Wireless Communication
  - 7.3.2 Optoelectronic Devices
- 7.4 Impact of COVID-19 in Europe

#### **8 SOUTH AMERICA MARKET SEGMENTATION**

- 8.1 Region Segmentation (2017 to 2021f)
  - 8.1.1 Brazil
  - 8.1.2 Argentina
  - 8.1.3 Rest of Latin America
- 8.2 Product Type Segmentation (2017 to 2021f)
  - 8.2.1 LEC Grown GaAs
  - 8.2.2 VGF Grown GaAs
- 8.3 Consumption Segmentation (2017 to 2021f)
  - 8.3.1 Wireless Communication
  - 8.3.2 Optoelectronic Devices
- 8.4 Impact of COVID-19 in Europe

#### 9 MIDDLE EAST AND AFRICA MARKET SEGMENTATION

- 9.1 Region Segmentation (2017 to 2021f)
  - 9.1.1 GCC
  - 9.1.2 North Africa
  - 9.1.3 South Africa
  - 9.1.4 Rest of Middle East and Africa
- 9.2 Product Type Segmentation (2017 to 2021f)
  - 9.2.1 LEC Grown GaAs
  - 9.2.2 VGF Grown GaAs



- 9.3 Consumption Segmentation (2017 to 2021f)
  - 9.3.1 Wireless Communication
  - 9.3.2 Optoelectronic Devices
- 9.4 Impact of COVID-19 in Europe

#### 10 COMPETITION OF MAJOR PLAYERS

- 10.1 Brief Introduction of Major Players
  - 10.1.1 Freiberger Compound Materials
  - 10.1.2 AXT
  - 10.1.3 Sumitomo Electric
  - 10.1.4 China Crystal Technologies
  - 10.1.5 Shenzhou Crystal Technology
  - 10.1.6 Tianjin Jingming Electronic Materials
  - 10.1.7 Yunnan Germanium
  - 10.1.8 DOWA Electronics Materials
  - 10.1.9 II-VI Incorporated
  - 10.1.10 IQE Corporation
  - 10.1.11 Wafer Technology
- 10.2 Gallium Arsenide (GaAs) Wafer Sales Date of Major Players (2017-2020e)
  - 10.2.1 Freiberger Compound Materials
  - 10.2.2 AXT
  - 10.2.3 Sumitomo Electric
  - 10.2.4 China Crystal Technologies
  - 10.2.5 Shenzhou Crystal Technology
  - 10.2.6 Tianjin Jingming Electronic Materials
  - 10.2.7 Yunnan Germanium
  - 10.2.8 DOWA Electronics Materials
  - 10.2.9 II-VI Incorporated
  - 10.2.10 IQE Corporation
  - 10.2.11 Wafer Technology
- 10.3 Market Distribution of Major Players
- 10.4 Global Competition Segmentation

## 11 MARKET FORECAST

- 11.1 Forecast by Region
- 11.2 Forecast by Demand
- 11.3 Environment Forecast



- 11.3.1 Impact of COVID-19
- 11.3.2 Geopolitics Overview
- 11.3.3 Economic Overview of Major Countries

## 12 REPORT SUMMARY STATEMENT



# **List Of Tables**

#### LIST OF TABLES

- 1. Table Gallium Arsenide (GaAs) Wafer Product Type Overview
- 2. Table Gallium Arsenide (GaAs) Wafer Product Type Market Share List
- 3. Table Gallium Arsenide (GaAs) Wafer Product Type of Major Players
- 4. Table Brief Introduction of Freiberger Compound Materials
- 5. Table Brief Introduction of AXT
- 6. Table Brief Introduction of Sumitomo Electric
- 7. Table Brief Introduction of China Crystal Technologies
- 8. Table Brief Introduction of Shenzhou Crystal Technology
- 9. Table Brief Introduction of Tianjin Jingming Electronic Materials
- 10. Table Brief Introduction of Yunnan Germanium
- 11. Table Brief Introduction of DOWA Electronics Materials
- 12. Table Brief Introduction of II-VI Incorporated
- 13. Table Brief Introduction of IQE Corporation
- 14. Table Brief Introduction of Wafer Technology
- 15. Table Products & Services of Freiberger Compound Materials
- 16. Table Products & Services of AXT
- 17. Table Products & Services of Sumitomo Electric
- 18. Table Products & Services of China Crystal Technologies
- 19. Table Products & Services of Shenzhou Crystal Technology
- 20. Table Products & Services of Tianjin Jingming Electronic Materials
- 21. Table Products & Services of Yunnan Germanium
- 22. Table Products & Services of DOWA Electronics Materials
- 23. Table Products & Services of II-VI Incorporated
- 24. Table Products & Services of IQE Corporation
- 25. Table Products & Services of Wafer Technology
- 26. Table Market Distribution of Major Players
- 27. Table Global Major Players Sales Revenue (Million USD) 2017-2020e
- 28. Table Global Major Players Sales Revenue (Million USD) Share 2017-2020e
- 29. Table Global Gallium Arsenide (GaAs) Wafer Market Forecast (Million USD) by Region 2021f-2026f
- 30. Table Global Gallium Arsenide (GaAs) Wafer Market Forecast (Million USD) Share by Region 2021f-2026f
- 31. Table Global Gallium Arsenide (GaAs) Wafer Market Forecast (Million USD) by Demand 2021f-2026f
- 32. Table Global Gallium Arsenide (GaAs) Wafer Market Forecast (Million USD) Share by Demand 2021f-2026f



# **List Of Figures**

#### **LIST OF FIGURES**

- 1.Figure Global Gallium Arsenide (GaAs) Wafer Market Size under the Impact of COVID-19, 2017-2021f (USD Million)
- 2. Figure Global Gallium Arsenide (GaAs) Wafer Market by Region under the Impact of COVID-19, 2017-2021f (USD Million)
- 3. Figure Global Gallium Arsenide (GaAs) Wafer Market by Product Type under the Impact of COVID-19, 2017-2021f (USD Million)
- 4. Figure Global Gallium Arsenide (GaAs) Wafer Market by Demand under the Impact of COVID-19, 2017-2021f (USD Million)
- 5. Figure Global Gallium Arsenide (GaAs) Wafer Production by Region under the Impact of COVID-19, 2021-2026 (USD Million)
- 6. Figure Global Gallium Arsenide (GaAs) Wafer Consumption by Region under the Impact of COVID-19, 2021-2026 (USD Million)
- 7. Figure Global Gallium Arsenide (GaAs) Wafer Consumption by Type under the Impact of COVID-19, 2021-2026 (USD Million)
- 8. Figure North America Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f
- 9. Figure Europe Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f
- 10.Figure Asia-Pacific Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f
- 11.Figure South America Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f
- 12. Figure Middle East and Africa Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f
- 13. Figure LEC Grown GaAs Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f
- 14. Figure VGF Grown GaAs Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f
- 15. Figure Wireless Communication Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f
- 16. Figure Optoelectronic Devices Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f
- 17.Figure U.S. Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f
- 18.Figure Canada Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f



- 19.Figure Mexico Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f
- 20. Figure LEC Grown GaAs Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f
- 21. Figure VGF Grown GaAs Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f
- 22. Figure Wireless Communication Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f
- 23. Figure Optoelectronic Devices Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f
- 24. Figure Germany Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f
- 25. Figure UK Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f
- 26.Figure France Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f
- 27. Figure Italy Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f
- 28. Figure Rest of Europe Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f
- 29. Figure LEC Grown GaAs Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f
- 30. Figure VGF Grown GaAs Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f
- 31. Figure Wireless Communication Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f
- 32. Figure Optoelectronic Devices Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f
- 33. Figure China Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f
- 34. Figure India Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f
- 35. Figure Japan Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f
- 36.Figure South Korea Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f
- 37. Figure Southeast Asia Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f
- 38. Figure Australia Market Size (USD Million) 2017-2021f and Year-over-year (YOY)



Growth (%) 2018-2021f

- 39. Figure Rest of Asia Pacific Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f
- 40. Figure LEC Grown GaAs Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f
- 41.Figure VGF Grown GaAs Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f
- 42. Figure Wireless Communication Segmentation Market Size (USD Million)
- 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f
- 43. Figure Optoelectronic Devices Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f
- 44. Figure Brazil Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f
- 45. Figure Argentina Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f
- 46.Figure Rest of Latin America Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f
- 47.Figure LEC Grown GaAs Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f
- 48.Figure VGF Grown GaAs Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f
- 49. Figure Wireless Communication Segmentation Market Size (USD Million)
- 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f
- 50. Figure Optoelectronic Devices Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f
- 51. Figure GCC Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f
- 52. Figure North Africa Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f
- 53. Figure South Africa Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f
- 54. Figure Rest of Middle East and Africa Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f
- 55. Figure LEC Grown GaAs Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f
- 56. Figure VGF Grown GaAs Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f
- 57. Figure Wireless Communication Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f



- 58. Figure Optoelectronic Devices Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f
- 59. Figure Gallium Arsenide (GaAs) Wafer Sales Revenue (Million USD) of Freiberger Compound Materials 2017-2020e
- 60.Figure Gallium Arsenide (GaAs) Wafer Sales Revenue (Million USD) of AXT 2017-2020e
- 61. Figure Gallium Arsenide (GaAs) Wafer Sales Revenue (Million USD) of Sumitomo Electric 2017-2020e
- 62. Figure Gallium Arsenide (GaAs) Wafer Sales Revenue (Million USD) of China Crystal Technologies 2017-2020e
- 63. Figure Gallium Arsenide (GaAs) Wafer Sales Revenue (Million USD) of Shenzhou Crystal Technology 2017-2020e
- 64. Figure Gallium Arsenide (GaAs) Wafer Sales Revenue (Million USD) of Tianjin Jingming Electronic Materials 2017-2020e
- 65. Figure Gallium Arsenide (GaAs) Wafer Sales Revenue (Million USD) of Yunnan Germanium 2017-2020e
- 66. Figure Gallium Arsenide (GaAs) Wafer Sales Revenue (Million USD) of DOWA Electronics Materials 2017-2020e
- 67. Figure Gallium Arsenide (GaAs) Wafer Sales Revenue (Million USD) of II-VI Incorporated 2017-2020e
- 68. Figure Gallium Arsenide (GaAs) Wafer Sales Revenue (Million USD) of IQE Corporation 2017-2020e
- 69. Figure Gallium Arsenide (GaAs) Wafer Sales Revenue (Million USD) of Wafer Technology 2017-2020e 70.



#### I would like to order

Product name: Gallium Arsenide (GaAs) Wafer Market Status and Trend Analysis 2017-2026 (COVID-19

Version)

Product link: <a href="https://marketpublishers.com/r/G16A0D0E50F4EN.html">https://marketpublishers.com/r/G16A0D0E50F4EN.html</a>

Price: US\$ 2,800.00 (Single User License / Electronic Delivery)

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

Service:

info@marketpublishers.com

# **Payment**

First name:

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <a href="https://marketpublishers.com/r/G16A0D0E50F4EN.html">https://marketpublishers.com/r/G16A0D0E50F4EN.html</a>

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

Last name:	
Email:	
Company:	
Address:	
City:	
Zip code:	
Country:	
Tel:	
Fax:	
Your message:	
	**All fields are required
	Custumer signature

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

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



