

Global Gallium Oxide Single Crystal Substrate Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

<https://marketpublishers.com/r/GE7F86BD5269EN.html>

Date: December 2025

Pages: 94

Price: US\$ 3,480.00 (Single User License)

ID: GE7F86BD5269EN

Abstracts

According to our (Global Info Research) latest study, the global Gallium Oxide Single Crystal Substrate market size was valued at US\$ 92.18 million in 2025 and is forecast to a readjusted size of US\$ 481 million by 2032 with a CAGR of 24.1% during review period.

In 2024, global sales of gallium oxide single crystal substrates reached 21.3 thousand units, with an average selling price of US\$4200 per unit. Gallium oxide single crystal substrates, an ultra-wide bandgap semiconductor substrate made from α -Ga₂O₃ crystals, feature a 4.8 eV bandgap, a high breakdown electric field, and low leakage current, making them a core material for the next generation of power and RF devices. Upstream raw materials include high-purity gallium oxide powder and crystal growth crucible materials (such as platinum and iridium). Major suppliers include Furuya Metal, Tosoh, Tanaka Kikinokoku, and Heraeus. Downstream applications include high-voltage power MOSFETs, RF amplifiers, on-board charging modules, and photodetector chips. Major customers include Rohm, Infineon, Mitsubishi Electric, and Huawei HiSilicon. Global production capacity is approximately 70,000 units per year, with an industry average gross profit margin of 45%. Upstream high-purity gallium oxide powder and precious metal crucible costs account for 58% of total costs, while downstream power electronics and RF module manufacturing accounts for 72% of total consumption. In the future, gallium oxide single crystal substrates will become the core material of the third generation of power semiconductors after SiC and GaN, and the market will develop towards large size, low defect rate and mass production cost control.

The gallium oxide single crystal substrate market is currently at a critical stage, transitioning from laboratory research and development to early industrialization. Its

development prospects are attracting considerable industry attention, but it also faces clear technical and commercialization challenges.

From a market perspective, the core competitiveness of gallium oxide substrates stems from the performance breakthroughs and potential cost advantages brought about by their ultra-wide bandgap characteristics. Against the backdrop of carbon neutrality, global demand for energy-efficient power electronics has surged in areas such as energy infrastructure, new energy vehicles, and industrial motor drives. Gallium oxide's critical breakdown field strength reaches 8 MV/cm, far exceeding that of silicon carbide and gallium nitride. This means that at the same withstand voltage level, devices can be made thinner and have lower resistance, significantly reducing power loss and system size. More importantly, single crystals can be grown using melt processes (such as the guided mold method). Compared to the high-temperature chemical vapor deposition methods required for silicon carbide and gallium nitride, production costs are expected to be lower and scalable to larger sizes (e.g., 6 inches). This creates a highly attractive cost-effective blueprint for large-scale application in the future medium- and ultra-high-voltage (1.2kV-10kV) power semiconductor market. However, the full-scale market boom is still limited by two core technical bottlenecks: thermal management challenges and homoepitaxial growth quality. Gallium oxide has poor thermal conductivity, only about one-tenth that of silicon carbide. This makes it difficult to quickly dissipate the heat generated by devices during high-voltage and high-current operation, becoming an Achilles' heel that limits their reliability and lifespan. Furthermore, while α -phase gallium oxide single crystals have been commercialized, the substrate's dislocation density needs to be further reduced, and the high-quality, high-uniformity homoepitaxial growth process needs to be optimized, directly impacting the yield and performance consistency of the final device.

In summary, the market prospects for gallium oxide single crystal substrates are promising, but the path forward is clear yet challenging. In the short term, the market will focus on specific niche applications, such as ultra-high voltage direct current transmission, rail transit converters, and aerospace power systems, where volume and efficiency are paramount and cost sensitivity is relatively low. Meanwhile, in the non-power-intensive field of solar-blind ultraviolet detection, gallium oxide, leveraging its inherent advantages, has already begun commercial application. In the medium to long term, whether gallium oxide can truly become a disruptor in the power semiconductor market depends on breakthroughs in thermal management technologies (such as wafer bonding and composite materials), the maturity of 8-inch substrate fabrication technology, and the collaborative innovation and cost control capabilities of the entire industry chain. It will not completely replace silicon carbide and gallium nitride, but is

more likely to complement and coexist within specific voltage ranges, jointly driving the evolution of power electronics technology towards greater efficiency and compactness.

This report is a detailed and comprehensive analysis for global Gallium Oxide Single Crystal Substrate market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Gallium Oxide Single Crystal Substrate market size and forecasts, in consumption value (\$ Million), sales quantity (K Pcs), and average selling prices (US\$/Pcs), 2021-2032

Global Gallium Oxide Single Crystal Substrate market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Pcs), and average selling prices (US\$/Pcs), 2021-2032

Global Gallium Oxide Single Crystal Substrate market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Pcs), and average selling prices (US\$/Pcs), 2021-2032

Global Gallium Oxide Single Crystal Substrate market shares of main players, shipments in revenue (\$ Million), sales quantity (K Pcs), and ASP (US\$/Pcs), 2021-2026

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Gallium Oxide Single Crystal Substrate

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Gallium Oxide Single Crystal Substrate market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Novel Crystal Technology, Kyma Technologies, Atecom Technology, Garen Semi, CETC, Hangzhou Fujia, Beijing MIG, Gao Semi, CSW Xiamen, Evolusia, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Gallium Oxide Single Crystal Substrate market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

2 Inches

4 Inches

Square

6 Inches

Other

Market segment by Crystal Orientation

Crystal Orientation: (010)

Crystal Orientation: (001)

Crystal Orientation: (100)

Market segment by Composition

Pure Gallium Oxide

With Doping (such as tin/iron)

Market segment by Application

Automotive

Telecommunication

Education and Research

Others

Major players covered

Novel Crystal Technology

Kyma Technologies

Atecom Technology

Garen Semi

CETC

Hangzhou Fujia

Beijing MIG

Gao Semi

CSW Xiamen

Evolusia

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Gallium Oxide Single Crystal Substrate product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Gallium Oxide Single Crystal Substrate, with price, sales quantity, revenue, and global market share of Gallium Oxide Single Crystal Substrate from 2021 to 2026.

Chapter 3, the Gallium Oxide Single Crystal Substrate competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Gallium Oxide Single Crystal Substrate breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and Gallium Oxide Single Crystal Substrate market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Gallium Oxide Single Crystal Substrate.

Chapter 14 and 15, to describe Gallium Oxide Single Crystal Substrate sales channel, distributors, customers, research findings and conclusion.

Contents

1 MARKET OVERVIEW

1.1 Product Overview and Scope

1.2 Market Estimation Caveats and Base Year

1.3 Market Analysis by Type

1.3.1 Overview: Global Gallium Oxide Single Crystal Substrate Consumption Value by Type: 2021 Versus 2025 Versus 2032

1.3.2 2 Inches

1.3.3 4 Inches

1.3.4 Square

1.3.5 6 Inches

1.3.6 Other

1.4 Market Analysis by Crystal Orientation

1.4.1 Overview: Global Gallium Oxide Single Crystal Substrate Consumption Value by Crystal Orientation: 2021 Versus 2025 Versus 2032

1.4.2 Crystal Orientation: (010)

1.4.3 Crystal Orientation: (001)

1.4.4 Crystal Orientation: (100)

1.5 Market Analysis by Composition

1.5.1 Overview: Global Gallium Oxide Single Crystal Substrate Consumption Value by Composition: 2021 Versus 2025 Versus 2032

1.5.2 Pure Gallium Oxide

1.5.3 With Doping (such as tin/iron)

1.6 Market Analysis by Application

1.6.1 Overview: Global Gallium Oxide Single Crystal Substrate Consumption Value by Application: 2021 Versus 2025 Versus 2032

1.6.2 Automotive

1.6.3 Telecommunication

1.6.4 Education and Research

1.6.5 Others

1.7 Global Gallium Oxide Single Crystal Substrate Market Size & Forecast

1.7.1 Global Gallium Oxide Single Crystal Substrate Consumption Value (2021 & 2025 & 2032)

1.7.2 Global Gallium Oxide Single Crystal Substrate Sales Quantity (2021-2032)

1.7.3 Global Gallium Oxide Single Crystal Substrate Average Price (2021-2032)

2 MANUFACTURERS PROFILES

2.1 Novel Crystal Technology

2.1.1 Novel Crystal Technology Details

2.1.2 Novel Crystal Technology Major Business

2.1.3 Novel Crystal Technology Gallium Oxide Single Crystal Substrate Product and Services

2.1.4 Novel Crystal Technology Gallium Oxide Single Crystal Substrate Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.1.5 Novel Crystal Technology Recent Developments/Updates

2.2 Kyma Technologies

2.2.1 Kyma Technologies Details

2.2.2 Kyma Technologies Major Business

2.2.3 Kyma Technologies Gallium Oxide Single Crystal Substrate Product and Services

2.2.4 Kyma Technologies Gallium Oxide Single Crystal Substrate Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.2.5 Kyma Technologies Recent Developments/Updates

2.3 Atecom Technology

2.3.1 Atecom Technology Details

2.3.2 Atecom Technology Major Business

2.3.3 Atecom Technology Gallium Oxide Single Crystal Substrate Product and Services

2.3.4 Atecom Technology Gallium Oxide Single Crystal Substrate Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.3.5 Atecom Technology Recent Developments/Updates

2.4 Garen Semi

2.4.1 Garen Semi Details

2.4.2 Garen Semi Major Business

2.4.3 Garen Semi Gallium Oxide Single Crystal Substrate Product and Services

2.4.4 Garen Semi Gallium Oxide Single Crystal Substrate Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.4.5 Garen Semi Recent Developments/Updates

2.5 CETC

2.5.1 CETC Details

2.5.2 CETC Major Business

2.5.3 CETC Gallium Oxide Single Crystal Substrate Product and Services

2.5.4 CETC Gallium Oxide Single Crystal Substrate Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.5.5 CETC Recent Developments/Updates

2.6 Hangzhou Fujia

2.6.1 Hangzhou Fujia Details

2.6.2 Hangzhou Fujia Major Business

2.6.3 Hangzhou Fujia Gallium Oxide Single Crystal Substrate Product and Services

2.6.4 Hangzhou Fujia Gallium Oxide Single Crystal Substrate Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.6.5 Hangzhou Fujia Recent Developments/Updates

2.7 Beijing MIG

2.7.1 Beijing MIG Details

2.7.2 Beijing MIG Major Business

2.7.3 Beijing MIG Gallium Oxide Single Crystal Substrate Product and Services

2.7.4 Beijing MIG Gallium Oxide Single Crystal Substrate Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.7.5 Beijing MIG Recent Developments/Updates

2.8 Gao Semi

2.8.1 Gao Semi Details

2.8.2 Gao Semi Major Business

2.8.3 Gao Semi Gallium Oxide Single Crystal Substrate Product and Services

2.8.4 Gao Semi Gallium Oxide Single Crystal Substrate Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.8.5 Gao Semi Recent Developments/Updates

2.9 CSW Xiamen

2.9.1 CSW Xiamen Details

2.9.2 CSW Xiamen Major Business

2.9.3 CSW Xiamen Gallium Oxide Single Crystal Substrate Product and Services

2.9.4 CSW Xiamen Gallium Oxide Single Crystal Substrate Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.9.5 CSW Xiamen Recent Developments/Updates

2.10 Evolusia

2.10.1 Evolusia Details

2.10.2 Evolusia Major Business

2.10.3 Evolusia Gallium Oxide Single Crystal Substrate Product and Services

2.10.4 Evolusia Gallium Oxide Single Crystal Substrate Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.10.5 Evolusia Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: GALLIUM OXIDE SINGLE CRYSTAL SUBSTRATE BY MANUFACTURER

- 3.1 Global Gallium Oxide Single Crystal Substrate Sales Quantity by Manufacturer (2021-2026)
- 3.2 Global Gallium Oxide Single Crystal Substrate Revenue by Manufacturer (2021-2026)
- 3.3 Global Gallium Oxide Single Crystal Substrate Average Price by Manufacturer (2021-2026)
- 3.4 Market Share Analysis (2025)
 - 3.4.1 Producer Shipments of Gallium Oxide Single Crystal Substrate by Manufacturer Revenue (\$MM) and Market Share (%): 2025
 - 3.4.2 Top 3 Gallium Oxide Single Crystal Substrate Manufacturer Market Share in 2025
 - 3.4.3 Top 6 Gallium Oxide Single Crystal Substrate Manufacturer Market Share in 2025
- 3.5 Gallium Oxide Single Crystal Substrate Market: Overall Company Footprint Analysis
 - 3.5.1 Gallium Oxide Single Crystal Substrate Market: Region Footprint
 - 3.5.2 Gallium Oxide Single Crystal Substrate Market: Company Product Type Footprint
 - 3.5.3 Gallium Oxide Single Crystal Substrate Market: Company Product Application Footprint
- 3.6 New Market Entrants and Barriers to Market Entry
- 3.7 Mergers, Acquisition, Agreements, and Collaborations

4 CONSUMPTION ANALYSIS BY REGION

- 4.1 Global Gallium Oxide Single Crystal Substrate Market Size by Region
 - 4.1.1 Global Gallium Oxide Single Crystal Substrate Sales Quantity by Region (2021-2032)
 - 4.1.2 Global Gallium Oxide Single Crystal Substrate Consumption Value by Region (2021-2032)
 - 4.1.3 Global Gallium Oxide Single Crystal Substrate Average Price by Region (2021-2032)
- 4.2 North America Gallium Oxide Single Crystal Substrate Consumption Value (2021-2032)
- 4.3 Europe Gallium Oxide Single Crystal Substrate Consumption Value (2021-2032)
- 4.4 Asia-Pacific Gallium Oxide Single Crystal Substrate Consumption Value (2021-2032)
- 4.5 South America Gallium Oxide Single Crystal Substrate Consumption Value (2021-2032)
- 4.6 Middle East & Africa Gallium Oxide Single Crystal Substrate Consumption Value (2021-2032)

5 MARKET SEGMENT BY TYPE

5.1 Global Gallium Oxide Single Crystal Substrate Sales Quantity by Type (2021-2032)

5.2 Global Gallium Oxide Single Crystal Substrate Consumption Value by Type (2021-2032)

5.3 Global Gallium Oxide Single Crystal Substrate Average Price by Type (2021-2032)

6 MARKET SEGMENT BY APPLICATION

6.1 Global Gallium Oxide Single Crystal Substrate Sales Quantity by Application (2021-2032)

6.2 Global Gallium Oxide Single Crystal Substrate Consumption Value by Application (2021-2032)

6.3 Global Gallium Oxide Single Crystal Substrate Average Price by Application (2021-2032)

7 NORTH AMERICA

7.1 North America Gallium Oxide Single Crystal Substrate Sales Quantity by Type (2021-2032)

7.2 North America Gallium Oxide Single Crystal Substrate Sales Quantity by Application (2021-2032)

7.3 North America Gallium Oxide Single Crystal Substrate Market Size by Country

7.3.1 North America Gallium Oxide Single Crystal Substrate Sales Quantity by Country (2021-2032)

7.3.2 North America Gallium Oxide Single Crystal Substrate Consumption Value by Country (2021-2032)

7.3.3 United States Market Size and Forecast (2021-2032)

7.3.4 Canada Market Size and Forecast (2021-2032)

7.3.5 Mexico Market Size and Forecast (2021-2032)

8 EUROPE

8.1 Europe Gallium Oxide Single Crystal Substrate Sales Quantity by Type (2021-2032)

8.2 Europe Gallium Oxide Single Crystal Substrate Sales Quantity by Application (2021-2032)

8.3 Europe Gallium Oxide Single Crystal Substrate Market Size by Country

8.3.1 Europe Gallium Oxide Single Crystal Substrate Sales Quantity by Country

(2021-2032)

8.3.2 Europe Gallium Oxide Single Crystal Substrate Consumption Value by Country (2021-2032)

8.3.3 Germany Market Size and Forecast (2021-2032)

8.3.4 France Market Size and Forecast (2021-2032)

8.3.5 United Kingdom Market Size and Forecast (2021-2032)

8.3.6 Russia Market Size and Forecast (2021-2032)

8.3.7 Italy Market Size and Forecast (2021-2032)

9 ASIA-PACIFIC

9.1 Asia-Pacific Gallium Oxide Single Crystal Substrate Sales Quantity by Type (2021-2032)

9.2 Asia-Pacific Gallium Oxide Single Crystal Substrate Sales Quantity by Application (2021-2032)

9.3 Asia-Pacific Gallium Oxide Single Crystal Substrate Market Size by Region

9.3.1 Asia-Pacific Gallium Oxide Single Crystal Substrate Sales Quantity by Region (2021-2032)

9.3.2 Asia-Pacific Gallium Oxide Single Crystal Substrate Consumption Value by Region (2021-2032)

9.3.3 China Market Size and Forecast (2021-2032)

9.3.4 Japan Market Size and Forecast (2021-2032)

9.3.5 South Korea Market Size and Forecast (2021-2032)

9.3.6 India Market Size and Forecast (2021-2032)

9.3.7 Southeast Asia Market Size and Forecast (2021-2032)

9.3.8 Australia Market Size and Forecast (2021-2032)

10 SOUTH AMERICA

10.1 South America Gallium Oxide Single Crystal Substrate Sales Quantity by Type (2021-2032)

10.2 South America Gallium Oxide Single Crystal Substrate Sales Quantity by Application (2021-2032)

10.3 South America Gallium Oxide Single Crystal Substrate Market Size by Country

10.3.1 South America Gallium Oxide Single Crystal Substrate Sales Quantity by Country (2021-2032)

10.3.2 South America Gallium Oxide Single Crystal Substrate Consumption Value by Country (2021-2032)

10.3.3 Brazil Market Size and Forecast (2021-2032)

10.3.4 Argentina Market Size and Forecast (2021-2032)

11 MIDDLE EAST & AFRICA

11.1 Middle East & Africa Gallium Oxide Single Crystal Substrate Sales Quantity by Type (2021-2032)

11.2 Middle East & Africa Gallium Oxide Single Crystal Substrate Sales Quantity by Application (2021-2032)

11.3 Middle East & Africa Gallium Oxide Single Crystal Substrate Market Size by Country

11.3.1 Middle East & Africa Gallium Oxide Single Crystal Substrate Sales Quantity by Country (2021-2032)

11.3.2 Middle East & Africa Gallium Oxide Single Crystal Substrate Consumption Value by Country (2021-2032)

11.3.3 Turkey Market Size and Forecast (2021-2032)

11.3.4 Egypt Market Size and Forecast (2021-2032)

11.3.5 Saudi Arabia Market Size and Forecast (2021-2032)

11.3.6 South Africa Market Size and Forecast (2021-2032)

12 MARKET DYNAMICS

12.1 Gallium Oxide Single Crystal Substrate Market Drivers

12.2 Gallium Oxide Single Crystal Substrate Market Restraints

12.3 Gallium Oxide Single Crystal Substrate Trends Analysis

12.4 Porters Five Forces Analysis

12.4.1 Threat of New Entrants

12.4.2 Bargaining Power of Suppliers

12.4.3 Bargaining Power of Buyers

12.4.4 Threat of Substitutes

12.4.5 Competitive Rivalry

13 RAW MATERIAL AND INDUSTRY CHAIN

13.1 Raw Material of Gallium Oxide Single Crystal Substrate and Key Manufacturers

13.2 Manufacturing Costs Percentage of Gallium Oxide Single Crystal Substrate

13.3 Gallium Oxide Single Crystal Substrate Production Process

13.4 Industry Value Chain Analysis

14 SHIPMENTS BY DISTRIBUTION CHANNEL

14.1 Sales Channel

14.1.1 Direct to End-User

14.1.2 Distributors

14.2 Gallium Oxide Single Crystal Substrate Typical Distributors

14.3 Gallium Oxide Single Crystal Substrate Typical Customers

15 RESEARCH FINDINGS AND CONCLUSION

16 APPENDIX

16.1 Methodology

16.2 Research Process and Data Source

16.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. Global Gallium Oxide Single Crystal Substrate Consumption Value by Type, (USD Million), 2021 & 2025 & 2032

Table 2. Global Gallium Oxide Single Crystal Substrate Consumption Value by Crystal Orientation, (USD Million), 2021 & 2025 & 2032

Table 3. Global Gallium Oxide Single Crystal Substrate Consumption Value by Composition, (USD Million), 2021 & 2025 & 2032

Table 4. Global Gallium Oxide Single Crystal Substrate Consumption Value by Application, (USD Million), 2021 & 2025 & 2032

Table 5. Novel Crystal Technology Basic Information, Manufacturing Base and Competitors

Table 6. Novel Crystal Technology Major Business

Table 7. Novel Crystal Technology Gallium Oxide Single Crystal Substrate Product and Services

Table 8. Novel Crystal Technology Gallium Oxide Single Crystal Substrate Sales Quantity (K Pcs), Average Price (US\$/Pcs), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 9. Novel Crystal Technology Recent Developments/Updates

Table 10. Kyma Technologies Basic Information, Manufacturing Base and Competitors

Table 11. Kyma Technologies Major Business

Table 12. Kyma Technologies Gallium Oxide Single Crystal Substrate Product and Services

Table 13. Kyma Technologies Gallium Oxide Single Crystal Substrate Sales Quantity (K Pcs), Average Price (US\$/Pcs), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 14. Kyma Technologies Recent Developments/Updates

Table 15. Atecom Technology Basic Information, Manufacturing Base and Competitors

Table 16. Atecom Technology Major Business

Table 17. Atecom Technology Gallium Oxide Single Crystal Substrate Product and Services

Table 18. Atecom Technology Gallium Oxide Single Crystal Substrate Sales Quantity (K Pcs), Average Price (US\$/Pcs), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 19. Atecom Technology Recent Developments/Updates

Table 20. Garen Semi Basic Information, Manufacturing Base and Competitors

Table 21. Garen Semi Major Business

Table 22. Garen Semi Gallium Oxide Single Crystal Substrate Product and Services

Table 23. Garen Semi Gallium Oxide Single Crystal Substrate Sales Quantity (K Pcs), Average Price (US\$/Pcs), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 24. Garen Semi Recent Developments/Updates

Table 25. CETC Basic Information, Manufacturing Base and Competitors

Table 26. CETC Major Business

Table 27. CETC Gallium Oxide Single Crystal Substrate Product and Services

Table 28. CETC Gallium Oxide Single Crystal Substrate Sales Quantity (K Pcs), Average Price (US\$/Pcs), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 29. CETC Recent Developments/Updates

Table 30. Hangzhou Fujia Basic Information, Manufacturing Base and Competitors

Table 31. Hangzhou Fujia Major Business

Table 32. Hangzhou Fujia Gallium Oxide Single Crystal Substrate Product and Services

Table 33. Hangzhou Fujia Gallium Oxide Single Crystal Substrate Sales Quantity (K Pcs), Average Price (US\$/Pcs), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 34. Hangzhou Fujia Recent Developments/Updates

Table 35. Beijing MIG Basic Information, Manufacturing Base and Competitors

Table 36. Beijing MIG Major Business

Table 37. Beijing MIG Gallium Oxide Single Crystal Substrate Product and Services

Table 38. Beijing MIG Gallium Oxide Single Crystal Substrate Sales Quantity (K Pcs), Average Price (US\$/Pcs), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 39. Beijing MIG Recent Developments/Updates

Table 40. Gao Semi Basic Information, Manufacturing Base and Competitors

Table 41. Gao Semi Major Business

Table 42. Gao Semi Gallium Oxide Single Crystal Substrate Product and Services

Table 43. Gao Semi Gallium Oxide Single Crystal Substrate Sales Quantity (K Pcs), Average Price (US\$/Pcs), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 44. Gao Semi Recent Developments/Updates

Table 45. CSW Xiamen Basic Information, Manufacturing Base and Competitors

Table 46. CSW Xiamen Major Business

Table 47. CSW Xiamen Gallium Oxide Single Crystal Substrate Product and Services

Table 48. CSW Xiamen Gallium Oxide Single Crystal Substrate Sales Quantity (K Pcs), Average Price (US\$/Pcs), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

- Table 49. CSW Xiamen Recent Developments/Updates
- Table 50. Evolusia Basic Information, Manufacturing Base and Competitors
- Table 51. Evolusia Major Business
- Table 52. Evolusia Gallium Oxide Single Crystal Substrate Product and Services
- Table 53. Evolusia Gallium Oxide Single Crystal Substrate Sales Quantity (K Pcs), Average Price (US\$/Pcs), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 54. Evolusia Recent Developments/Updates
- Table 55. Global Gallium Oxide Single Crystal Substrate Sales Quantity by Manufacturer (2021-2026) & (K Pcs)
- Table 56. Global Gallium Oxide Single Crystal Substrate Revenue by Manufacturer (2021-2026) & (USD Million)
- Table 57. Global Gallium Oxide Single Crystal Substrate Average Price by Manufacturer (2021-2026) & (US\$/Pcs)
- Table 58. Market Position of Manufacturers in Gallium Oxide Single Crystal Substrate, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2025
- Table 59. Head Office and Gallium Oxide Single Crystal Substrate Production Site of Key Manufacturer
- Table 60. Gallium Oxide Single Crystal Substrate Market: Company Product Type Footprint
- Table 61. Gallium Oxide Single Crystal Substrate Market: Company Product Application Footprint
- Table 62. Gallium Oxide Single Crystal Substrate New Market Entrants and Barriers to Market Entry
- Table 63. Gallium Oxide Single Crystal Substrate Mergers, Acquisition, Agreements, and Collaborations
- Table 64. Global Gallium Oxide Single Crystal Substrate Consumption Value by Region (2021-2025-2032) & (USD Million) & CAGR
- Table 65. Global Gallium Oxide Single Crystal Substrate Sales Quantity by Region (2021-2026) & (K Pcs)
- Table 66. Global Gallium Oxide Single Crystal Substrate Sales Quantity by Region (2027-2032) & (K Pcs)
- Table 67. Global Gallium Oxide Single Crystal Substrate Consumption Value by Region (2021-2026) & (USD Million)
- Table 68. Global Gallium Oxide Single Crystal Substrate Consumption Value by Region (2027-2032) & (USD Million)
- Table 69. Global Gallium Oxide Single Crystal Substrate Average Price by Region (2021-2026) & (US\$/Pcs)
- Table 70. Global Gallium Oxide Single Crystal Substrate Average Price by Region

(2027-2032) & (US\$/Pcs)

Table 71. Global Gallium Oxide Single Crystal Substrate Sales Quantity by Type (2021-2026) & (K Pcs)

Table 72. Global Gallium Oxide Single Crystal Substrate Sales Quantity by Type (2027-2032) & (K Pcs)

Table 73. Global Gallium Oxide Single Crystal Substrate Consumption Value by Type (2021-2026) & (USD Million)

Table 74. Global Gallium Oxide Single Crystal Substrate Consumption Value by Type (2027-2032) & (USD Million)

Table 75. Global Gallium Oxide Single Crystal Substrate Average Price by Type (2021-2026) & (US\$/Pcs)

Table 76. Global Gallium Oxide Single Crystal Substrate Average Price by Type (2027-2032) & (US\$/Pcs)

Table 77. Global Gallium Oxide Single Crystal Substrate Sales Quantity by Application (2021-2026) & (K Pcs)

Table 78. Global Gallium Oxide Single Crystal Substrate Sales Quantity by Application (2027-2032) & (K Pcs)

Table 79. Global Gallium Oxide Single Crystal Substrate Consumption Value by Application (2021-2026) & (USD Million)

Table 80. Global Gallium Oxide Single Crystal Substrate Consumption Value by Application (2027-2032) & (USD Million)

Table 81. Global Gallium Oxide Single Crystal Substrate Average Price by Application (2021-2026) & (US\$/Pcs)

Table 82. Global Gallium Oxide Single Crystal Substrate Average Price by Application (2027-2032) & (US\$/Pcs)

Table 83. North America Gallium Oxide Single Crystal Substrate Sales Quantity by Type (2021-2026) & (K Pcs)

Table 84. North America Gallium Oxide Single Crystal Substrate Sales Quantity by Type (2027-2032) & (K Pcs)

Table 85. North America Gallium Oxide Single Crystal Substrate Sales Quantity by Application (2021-2026) & (K Pcs)

Table 86. North America Gallium Oxide Single Crystal Substrate Sales Quantity by Application (2027-2032) & (K Pcs)

Table 87. North America Gallium Oxide Single Crystal Substrate Sales Quantity by Country (2021-2026) & (K Pcs)

Table 88. North America Gallium Oxide Single Crystal Substrate Sales Quantity by Country (2027-2032) & (K Pcs)

Table 89. North America Gallium Oxide Single Crystal Substrate Consumption Value by Country (2021-2026) & (USD Million)

Table 90. North America Gallium Oxide Single Crystal Substrate Consumption Value by Country (2027-2032) & (USD Million)

Table 91. Europe Gallium Oxide Single Crystal Substrate Sales Quantity by Type (2021-2026) & (K Pcs)

Table 92. Europe Gallium Oxide Single Crystal Substrate Sales Quantity by Type (2027-2032) & (K Pcs)

Table 93. Europe Gallium Oxide Single Crystal Substrate Sales Quantity by Application (2021-2026) & (K Pcs)

Table 94. Europe Gallium Oxide Single Crystal Substrate Sales Quantity by Application (2027-2032) & (K Pcs)

Table 95. Europe Gallium Oxide Single Crystal Substrate Sales Quantity by Country (2021-2026) & (K Pcs)

Table 96. Europe Gallium Oxide Single Crystal Substrate Sales Quantity by Country (2027-2032) & (K Pcs)

Table 97. Europe Gallium Oxide Single Crystal Substrate Consumption Value by Country (2021-2026) & (USD Million)

Table 98. Europe Gallium Oxide Single Crystal Substrate Consumption Value by Country (2027-2032) & (USD Million)

Table 99. Asia-Pacific Gallium Oxide Single Crystal Substrate Sales Quantity by Type (2021-2026) & (K Pcs)

Table 100. Asia-Pacific Gallium Oxide Single Crystal Substrate Sales Quantity by Type (2027-2032) & (K Pcs)

Table 101. Asia-Pacific Gallium Oxide Single Crystal Substrate Sales Quantity by Application (2021-2026) & (K Pcs)

Table 102. Asia-Pacific Gallium Oxide Single Crystal Substrate Sales Quantity by Application (2027-2032) & (K Pcs)

Table 103. Asia-Pacific Gallium Oxide Single Crystal Substrate Sales Quantity by Region (2021-2026) & (K Pcs)

Table 104. Asia-Pacific Gallium Oxide Single Crystal Substrate Sales Quantity by Region (2027-2032) & (K Pcs)

Table 105. Asia-Pacific Gallium Oxide Single Crystal Substrate Consumption Value by Region (2021-2026) & (USD Million)

Table 106. Asia-Pacific Gallium Oxide Single Crystal Substrate Consumption Value by Region (2027-2032) & (USD Million)

Table 107. South America Gallium Oxide Single Crystal Substrate Sales Quantity by Type (2021-2026) & (K Pcs)

Table 108. South America Gallium Oxide Single Crystal Substrate Sales Quantity by Type (2027-2032) & (K Pcs)

Table 109. South America Gallium Oxide Single Crystal Substrate Sales Quantity by

Application (2021-2026) & (K Pcs)

Table 110. South America Gallium Oxide Single Crystal Substrate Sales Quantity by Application (2027-2032) & (K Pcs)

Table 111. South America Gallium Oxide Single Crystal Substrate Sales Quantity by Country (2021-2026) & (K Pcs)

Table 112. South America Gallium Oxide Single Crystal Substrate Sales Quantity by Country (2027-2032) & (K Pcs)

Table 113. South America Gallium Oxide Single Crystal Substrate Consumption Value by Country (2021-2026) & (USD Million)

Table 114. South America Gallium Oxide Single Crystal Substrate Consumption Value by Country (2027-2032) & (USD Million)

Table 115. Middle East & Africa Gallium Oxide Single Crystal Substrate Sales Quantity by Type (2021-2026) & (K Pcs)

Table 116. Middle East & Africa Gallium Oxide Single Crystal Substrate Sales Quantity by Type (2027-2032) & (K Pcs)

Table 117. Middle East & Africa Gallium Oxide Single Crystal Substrate Sales Quantity by Application (2021-2026) & (K Pcs)

Table 118. Middle East & Africa Gallium Oxide Single Crystal Substrate Sales Quantity by Application (2027-2032) & (K Pcs)

Table 119. Middle East & Africa Gallium Oxide Single Crystal Substrate Sales Quantity by Country (2021-2026) & (K Pcs)

Table 120. Middle East & Africa Gallium Oxide Single Crystal Substrate Sales Quantity by Country (2027-2032) & (K Pcs)

Table 121. Middle East & Africa Gallium Oxide Single Crystal Substrate Consumption Value by Country (2021-2026) & (USD Million)

Table 122. Middle East & Africa Gallium Oxide Single Crystal Substrate Consumption Value by Country (2027-2032) & (USD Million)

Table 123. Gallium Oxide Single Crystal Substrate Raw Material

Table 124. Key Manufacturers of Gallium Oxide Single Crystal Substrate Raw Materials

Table 125. Gallium Oxide Single Crystal Substrate Typical Distributors

Table 126. Gallium Oxide Single Crystal Substrate Typical Customers

List Of Figures

LIST OF FIGURES

- Figure 1. Gallium Oxide Single Crystal Substrate Picture
- Figure 2. Global Gallium Oxide Single Crystal Substrate Revenue by Type, (USD Million), 2021 & 2025 & 2032
- Figure 3. Global Gallium Oxide Single Crystal Substrate Revenue Market Share by Type in 2025
- Figure 4. 2 Inches Examples
- Figure 5. 4 Inches Examples
- Figure 6. Square Examples
- Figure 7. 6 Inches Examples
- Figure 8. Other Examples
- Figure 9. Global Gallium Oxide Single Crystal Substrate Revenue by Crystal Orientation, (USD Million), 2021 & 2025 & 2032
- Figure 10. Global Gallium Oxide Single Crystal Substrate Revenue Market Share by Crystal Orientation in 2025
- Figure 11. Crystal Orientation: (010) Examples
- Figure 12. Crystal Orientation: (001) Examples
- Figure 13. Crystal Orientation: (100) Examples
- Figure 14. Global Gallium Oxide Single Crystal Substrate Revenue by Composition, (USD Million), 2021 & 2025 & 2032
- Figure 15. Global Gallium Oxide Single Crystal Substrate Revenue Market Share by Composition in 2025
- Figure 16. Pure Gallium Oxide Examples
- Figure 17. With Doping (such as tin/iron) Examples
- Figure 18. Global Gallium Oxide Single Crystal Substrate Consumption Value by Application, (USD Million), 2021 & 2025 & 2032
- Figure 19. Global Gallium Oxide Single Crystal Substrate Revenue Market Share by Application in 2025
- Figure 20. Automotive Examples
- Figure 21. Telecommunication Examples
- Figure 22. Education and Research Examples
- Figure 23. Others Examples
- Figure 24. Global Gallium Oxide Single Crystal Substrate Consumption Value, (USD Million): 2021 & 2025 & 2032
- Figure 25. Global Gallium Oxide Single Crystal Substrate Consumption Value and Forecast (2021-2032) & (USD Million)

Figure 26. Global Gallium Oxide Single Crystal Substrate Sales Quantity (2021-2032) & (K Pcs)

Figure 27. Global Gallium Oxide Single Crystal Substrate Price (2021-2032) & (US\$/Pcs)

Figure 28. Global Gallium Oxide Single Crystal Substrate Sales Quantity Market Share by Manufacturer in 2025

Figure 29. Global Gallium Oxide Single Crystal Substrate Revenue Market Share by Manufacturer in 2025

Figure 30. Producer Shipments of Gallium Oxide Single Crystal Substrate by Manufacturer Sales (\$MM) and Market Share (%): 2025

Figure 31. Top 3 Gallium Oxide Single Crystal Substrate Manufacturer (Revenue) Market Share in 2025

Figure 32. Top 6 Gallium Oxide Single Crystal Substrate Manufacturer (Revenue) Market Share in 2025

Figure 33. Global Gallium Oxide Single Crystal Substrate Sales Quantity Market Share by Region (2021-2032)

Figure 34. Global Gallium Oxide Single Crystal Substrate Consumption Value Market Share by Region (2021-2032)

Figure 35. North America Gallium Oxide Single Crystal Substrate Consumption Value (2021-2032) & (USD Million)

Figure 36. Europe Gallium Oxide Single Crystal Substrate Consumption Value (2021-2032) & (USD Million)

Figure 37. Asia-Pacific Gallium Oxide Single Crystal Substrate Consumption Value (2021-2032) & (USD Million)

Figure 38. South America Gallium Oxide Single Crystal Substrate Consumption Value (2021-2032) & (USD Million)

Figure 39. Middle East & Africa Gallium Oxide Single Crystal Substrate Consumption Value (2021-2032) & (USD Million)

Figure 40. Global Gallium Oxide Single Crystal Substrate Sales Quantity Market Share by Type (2021-2032)

Figure 41. Global Gallium Oxide Single Crystal Substrate Consumption Value Market Share by Type (2021-2032)

Figure 42. Global Gallium Oxide Single Crystal Substrate Average Price by Type (2021-2032) & (US\$/Pcs)

Figure 43. Global Gallium Oxide Single Crystal Substrate Sales Quantity Market Share by Application (2021-2032)

Figure 44. Global Gallium Oxide Single Crystal Substrate Revenue Market Share by Application (2021-2032)

Figure 45. Global Gallium Oxide Single Crystal Substrate Average Price by Application

(2021-2032) & (US\$/Pcs)

Figure 46. North America Gallium Oxide Single Crystal Substrate Sales Quantity Market Share by Type (2021-2032)

Figure 47. North America Gallium Oxide Single Crystal Substrate Sales Quantity Market Share by Application (2021-2032)

Figure 48. North America Gallium Oxide Single Crystal Substrate Sales Quantity Market Share by Country (2021-2032)

Figure 49. North America Gallium Oxide Single Crystal Substrate Consumption Value Market Share by Country (2021-2032)

Figure 50. United States Gallium Oxide Single Crystal Substrate Consumption Value (2021-2032) & (USD Million)

Figure 51. Canada Gallium Oxide Single Crystal Substrate Consumption Value (2021-2032) & (USD Million)

Figure 52. Mexico Gallium Oxide Single Crystal Substrate Consumption Value (2021-2032) & (USD Million)

Figure 53. Europe Gallium Oxide Single Crystal Substrate Sales Quantity Market Share by Type (2021-2032)

Figure 54. Europe Gallium Oxide Single Crystal Substrate Sales Quantity Market Share by Application (2021-2032)

Figure 55. Europe Gallium Oxide Single Crystal Substrate Sales Quantity Market Share by Country (2021-2032)

Figure 56. Europe Gallium Oxide Single Crystal Substrate Consumption Value Market Share by Country (2021-2032)

Figure 57. Germany Gallium Oxide Single Crystal Substrate Consumption Value (2021-2032) & (USD Million)

Figure 58. France Gallium Oxide Single Crystal Substrate Consumption Value (2021-2032) & (USD Million)

Figure 59. United Kingdom Gallium Oxide Single Crystal Substrate Consumption Value (2021-2032) & (USD Million)

Figure 60. Russia Gallium Oxide Single Crystal Substrate Consumption Value (2021-2032) & (USD Million)

Figure 61. Italy Gallium Oxide Single Crystal Substrate Consumption Value (2021-2032) & (USD Million)

Figure 62. Asia-Pacific Gallium Oxide Single Crystal Substrate Sales Quantity Market Share by Type (2021-2032)

Figure 63. Asia-Pacific Gallium Oxide Single Crystal Substrate Sales Quantity Market Share by Application (2021-2032)

Figure 64. Asia-Pacific Gallium Oxide Single Crystal Substrate Sales Quantity Market Share by Region (2021-2032)

Figure 65. Asia-Pacific Gallium Oxide Single Crystal Substrate Consumption Value Market Share by Region (2021-2032)

Figure 66. China Gallium Oxide Single Crystal Substrate Consumption Value (2021-2032) & (USD Million)

Figure 67. Japan Gallium Oxide Single Crystal Substrate Consumption Value (2021-2032) & (USD Million)

Figure 68. South Korea Gallium Oxide Single Crystal Substrate Consumption Value (2021-2032) & (USD Million)

Figure 69. India Gallium Oxide Single Crystal Substrate Consumption Value (2021-2032) & (USD Million)

Figure 70. Southeast Asia Gallium Oxide Single Crystal Substrate Consumption Value (2021-2032) & (USD Million)

Figure 71. Australia Gallium Oxide Single Crystal Substrate Consumption Value (2021-2032) & (USD Million)

Figure 72. South America Gallium Oxide Single Crystal Substrate Sales Quantity Market Share by Type (2021-2032)

Figure 73. South America Gallium Oxide Single Crystal Substrate Sales Quantity Market Share by Application (2021-2032)

Figure 74. South America Gallium Oxide Single Crystal Substrate Sales Quantity Market Share by Country (2021-2032)

Figure 75. South America Gallium Oxide Single Crystal Substrate Consumption Value Market Share by Country (2021-2032)

Figure 76. Brazil Gallium Oxide Single Crystal Substrate Consumption Value (2021-2032) & (USD Million)

Figure 77. Argentina Gallium Oxide Single Crystal Substrate Consumption Value (2021-2032) & (USD Million)

Figure 78. Middle East & Africa Gallium Oxide Single Crystal Substrate Sales Quantity Market Share by Type (2021-2032)

Figure 79. Middle East & Africa Gallium Oxide Single Crystal Substrate Sales Quantity Market Share by Application (2021-2032)

Figure 80. Middle East & Africa Gallium Oxide Single Crystal Substrate Sales Quantity Market Share by Country (2021-2032)

Figure 81. Middle East & Africa Gallium Oxide Single Crystal Substrate Consumption Value Market Share by Country (2021-2032)

Figure 82. Turkey Gallium Oxide Single Crystal Substrate Consumption Value (2021-2032) & (USD Million)

Figure 83. Egypt Gallium Oxide Single Crystal Substrate Consumption Value (2021-2032) & (USD Million)

Figure 84. Saudi Arabia Gallium Oxide Single Crystal Substrate Consumption Value

(2021-2032) & (USD Million)

Figure 85. South Africa Gallium Oxide Single Crystal Substrate Consumption Value

(2021-2032) & (USD Million)

Figure 86. Gallium Oxide Single Crystal Substrate Market Drivers

Figure 87. Gallium Oxide Single Crystal Substrate Market Restraints

Figure 88. Gallium Oxide Single Crystal Substrate Market Trends

Figure 89. Porters Five Forces Analysis

Figure 90. Manufacturing Cost Structure Analysis of Gallium Oxide Single Crystal Substrate in 2025

Figure 91. Manufacturing Process Analysis of Gallium Oxide Single Crystal Substrate

Figure 92. Gallium Oxide Single Crystal Substrate Industrial Chain

Figure 93. Sales Channel: Direct to End-User vs Distributors

Figure 94. Direct Channel Pros & Cons

Figure 95. Indirect Channel Pros & Cons

Figure 96. Methodology

Figure 97. Research Process and Data Source

I would like to order

Product name: Global Gallium Oxide Single Crystal Substrate Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

Product link: <https://marketpublishers.com/r/GE7F86BD5269EN.html>

Price: US\$ 3,480.00 (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/GE7F86BD5269EN.html>