

Global GaN Substrate Material Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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Abstracts

Gallium nitride substrate materials play a key role in the preparation process of gallium nitride semiconductor devices, and common ones include sapphire substrates, silicon substrates and silicon carbide substrates. Each of these substrate materials has advantages and disadvantages, and choosing the appropriate substrate depends on specific application requirements, including crystal quality requirements, cost considerations, growth processes and other factors. With the development and maturity of gallium nitride technology, continuous optimization and improvement of substrate materials will help promote the expansion of the performance and application fields of gallium nitride semiconductor devices.

According to our (Global Info Research) latest study, the global GaN Substrate Material market size was valued at US\$ million in 2023 and is forecast to a readjusted size of USD million by 2030 with a CAGR of %during review period.

This report is a detailed and comprehensive analysis for global GaN Substrate Material 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 2024, are provided.

Key Features:

Global GaN Substrate Material market size and forecasts, in consumption value (\$

Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2019-2030

Global GaN Substrate Material market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2019-2030

Global GaN Substrate Material market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2019-2030

Global GaN Substrate Material market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), and ASP (US\$/Ton), 2019-2024

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 GaN Substrate Material

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 GaN Substrate Material 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 Crystalwise Technology, Gavish, Monocrystal, Rubicon Technology, Silian, Shanxi Huajing Hengji New Materials, Yuanliang Technology, Huacan Optoelectronics Co., Ltd., Sanan Optoelectronics Co., Ltd., Precision Micro-Optics, etc.

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

Market Segmentation

GaN Substrate Material market is split by Type and by Application. For the period 2019-2030, 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

Sapphire Blue

Si

SiC

GaN

Market segment by Application

Light Emitting Diode (LED)

Radio Frequency Integrated Circuit (RFIC)

Laser Diode

Others

Major players covered

Crystalwise Technology

Gavish

Monocrystal

Rubicon Technology

Silian

Shanxi Huajing Hengji New Materials

Yuanliang Technology

Huacan Optoelectronics Co., Ltd.

Sanan Optoelectronics Co., Ltd.

Precision Micro-Optics

Adamant Namiki

Mitsubishi Chemical

Sumitomo Electric

Hitachi

Shin-Etsu

Fuji Electric

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 GaN Substrate Material product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of GaN Substrate Material, with price, sales

quantity, revenue, and global market share of GaN Substrate Material from 2019 to 2024.

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

Chapter 4, the GaN Substrate Material breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2019 to 2030.

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 2019 to 2030.

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 2019 to 2024. and GaN Substrate Material market forecast, by regions, by Type, and by Application, with sales and revenue, from 2025 to 2030.

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 GaN Substrate Material.

Chapter 14 and 15, to describe GaN Substrate Material 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 GaN Substrate Material Consumption Value by Type: 2019 Versus 2023 Versus 2030

1.3.2 Sapphire Blue

1.3.3 Si

1.3.4 SiC

1.3.5 GaN

1.4 Market Analysis by Application

1.4.1 Overview: Global GaN Substrate Material Consumption Value by Application: 2019 Versus 2023 Versus 2030

1.4.2 Light Emitting Diode (LED)

1.4.3 Radio Frequency Integrated Circuit (RFIC)

1.4.4 Laser Diode

1.4.5 Others

1.5 Global GaN Substrate Material Market Size & Forecast

1.5.1 Global GaN Substrate Material Consumption Value (2019 & 2023 & 2030)

1.5.2 Global GaN Substrate Material Sales Quantity (2019-2030)

1.5.3 Global GaN Substrate Material Average Price (2019-2030)

2 MANUFACTURERS PROFILES

2.1 Crystalwise Technology

2.1.1 Crystalwise Technology Details

2.1.2 Crystalwise Technology Major Business

2.1.3 Crystalwise Technology GaN Substrate Material Product and Services

2.1.4 Crystalwise Technology GaN Substrate Material Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.1.5 Crystalwise Technology Recent Developments/Updates

2.2 Gavish

2.2.1 Gavish Details

2.2.2 Gavish Major Business

2.2.3 Gavish GaN Substrate Material Product and Services

2.2.4 Gavish GaN Substrate Material Sales Quantity, Average Price, Revenue, Gross

Margin and Market Share (2019-2024)

2.2.5 Gavish Recent Developments/Updates

2.3 Monocrystal

2.3.1 Monocrystal Details

2.3.2 Monocrystal Major Business

2.3.3 Monocrystal GaN Substrate Material Product and Services

2.3.4 Monocrystal GaN Substrate Material Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.3.5 Monocrystal Recent Developments/Updates

2.4 Rubicon Technology

2.4.1 Rubicon Technology Details

2.4.2 Rubicon Technology Major Business

2.4.3 Rubicon Technology GaN Substrate Material Product and Services

2.4.4 Rubicon Technology GaN Substrate Material Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.4.5 Rubicon Technology Recent Developments/Updates

2.5 Silian

2.5.1 Silian Details

2.5.2 Silian Major Business

2.5.3 Silian GaN Substrate Material Product and Services

2.5.4 Silian GaN Substrate Material Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.5.5 Silian Recent Developments/Updates

2.6 Shanxi Huajing Hengji New Materials

2.6.1 Shanxi Huajing Hengji New Materials Details

2.6.2 Shanxi Huajing Hengji New Materials Major Business

2.6.3 Shanxi Huajing Hengji New Materials GaN Substrate Material Product and Services

2.6.4 Shanxi Huajing Hengji New Materials GaN Substrate Material Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.6.5 Shanxi Huajing Hengji New Materials Recent Developments/Updates

2.7 Yuanliang Technology

2.7.1 Yuanliang Technology Details

2.7.2 Yuanliang Technology Major Business

2.7.3 Yuanliang Technology GaN Substrate Material Product and Services

2.7.4 Yuanliang Technology GaN Substrate Material Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.7.5 Yuanliang Technology Recent Developments/Updates

2.8 Huacan Optoelectronics Co., Ltd.

- 2.8.1 Huacan Optoelectronics Co., Ltd. Details
- 2.8.2 Huacan Optoelectronics Co., Ltd. Major Business
- 2.8.3 Huacan Optoelectronics Co., Ltd. GaN Substrate Material Product and Services
- 2.8.4 Huacan Optoelectronics Co., Ltd. GaN Substrate Material Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
- 2.8.5 Huacan Optoelectronics Co., Ltd. Recent Developments/Updates
- 2.9 Sanan Optoelectronics Co., Ltd.
 - 2.9.1 Sanan Optoelectronics Co., Ltd. Details
 - 2.9.2 Sanan Optoelectronics Co., Ltd. Major Business
 - 2.9.3 Sanan Optoelectronics Co., Ltd. GaN Substrate Material Product and Services
 - 2.9.4 Sanan Optoelectronics Co., Ltd. GaN Substrate Material Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.9.5 Sanan Optoelectronics Co., Ltd. Recent Developments/Updates
- 2.10 Precision Micro-Optics
 - 2.10.1 Precision Micro-Optics Details
 - 2.10.2 Precision Micro-Optics Major Business
 - 2.10.3 Precision Micro-Optics GaN Substrate Material Product and Services
 - 2.10.4 Precision Micro-Optics GaN Substrate Material Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.10.5 Precision Micro-Optics Recent Developments/Updates
- 2.11 Adamant Namiki
 - 2.11.1 Adamant Namiki Details
 - 2.11.2 Adamant Namiki Major Business
 - 2.11.3 Adamant Namiki GaN Substrate Material Product and Services
 - 2.11.4 Adamant Namiki GaN Substrate Material Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.11.5 Adamant Namiki Recent Developments/Updates
- 2.12 Mitsubishi Chemical
 - 2.12.1 Mitsubishi Chemical Details
 - 2.12.2 Mitsubishi Chemical Major Business
 - 2.12.3 Mitsubishi Chemical GaN Substrate Material Product and Services
 - 2.12.4 Mitsubishi Chemical GaN Substrate Material Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.12.5 Mitsubishi Chemical Recent Developments/Updates
- 2.13 Sumitomo Electric
 - 2.13.1 Sumitomo Electric Details
 - 2.13.2 Sumitomo Electric Major Business
 - 2.13.3 Sumitomo Electric GaN Substrate Material Product and Services
 - 2.13.4 Sumitomo Electric GaN Substrate Material Sales Quantity, Average Price,

Revenue, Gross Margin and Market Share (2019-2024)

2.13.5 Sumitomo Electric Recent Developments/Updates

2.14 Hitachi

2.14.1 Hitachi Details

2.14.2 Hitachi Major Business

2.14.3 Hitachi GaN Substrate Material Product and Services

2.14.4 Hitachi GaN Substrate Material Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.14.5 Hitachi Recent Developments/Updates

2.15 Shin-Etsu

2.15.1 Shin-Etsu Details

2.15.2 Shin-Etsu Major Business

2.15.3 Shin-Etsu GaN Substrate Material Product and Services

2.15.4 Shin-Etsu GaN Substrate Material Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.15.5 Shin-Etsu Recent Developments/Updates

2.16 Fuji Electric

2.16.1 Fuji Electric Details

2.16.2 Fuji Electric Major Business

2.16.3 Fuji Electric GaN Substrate Material Product and Services

2.16.4 Fuji Electric GaN Substrate Material Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.16.5 Fuji Electric Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: GAN SUBSTRATE MATERIAL BY MANUFACTURER

3.1 Global GaN Substrate Material Sales Quantity by Manufacturer (2019-2024)

3.2 Global GaN Substrate Material Revenue by Manufacturer (2019-2024)

3.3 Global GaN Substrate Material Average Price by Manufacturer (2019-2024)

3.4 Market Share Analysis (2023)

3.4.1 Producer Shipments of GaN Substrate Material by Manufacturer Revenue (\$MM) and Market Share (%): 2023

3.4.2 Top 3 GaN Substrate Material Manufacturer Market Share in 2023

3.4.3 Top 6 GaN Substrate Material Manufacturer Market Share in 2023

3.5 GaN Substrate Material Market: Overall Company Footprint Analysis

3.5.1 GaN Substrate Material Market: Region Footprint

3.5.2 GaN Substrate Material Market: Company Product Type Footprint

3.5.3 GaN Substrate Material 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 GaN Substrate Material Market Size by Region
 - 4.1.1 Global GaN Substrate Material Sales Quantity by Region (2019-2030)
 - 4.1.2 Global GaN Substrate Material Consumption Value by Region (2019-2030)
 - 4.1.3 Global GaN Substrate Material Average Price by Region (2019-2030)
- 4.2 North America GaN Substrate Material Consumption Value (2019-2030)
- 4.3 Europe GaN Substrate Material Consumption Value (2019-2030)
- 4.4 Asia-Pacific GaN Substrate Material Consumption Value (2019-2030)
- 4.5 South America GaN Substrate Material Consumption Value (2019-2030)
- 4.6 Middle East & Africa GaN Substrate Material Consumption Value (2019-2030)

5 MARKET SEGMENT BY TYPE

- 5.1 Global GaN Substrate Material Sales Quantity by Type (2019-2030)
- 5.2 Global GaN Substrate Material Consumption Value by Type (2019-2030)
- 5.3 Global GaN Substrate Material Average Price by Type (2019-2030)

6 MARKET SEGMENT BY APPLICATION

- 6.1 Global GaN Substrate Material Sales Quantity by Application (2019-2030)
- 6.2 Global GaN Substrate Material Consumption Value by Application (2019-2030)
- 6.3 Global GaN Substrate Material Average Price by Application (2019-2030)

7 NORTH AMERICA

- 7.1 North America GaN Substrate Material Sales Quantity by Type (2019-2030)
- 7.2 North America GaN Substrate Material Sales Quantity by Application (2019-2030)
- 7.3 North America GaN Substrate Material Market Size by Country
 - 7.3.1 North America GaN Substrate Material Sales Quantity by Country (2019-2030)
 - 7.3.2 North America GaN Substrate Material Consumption Value by Country (2019-2030)
 - 7.3.3 United States Market Size and Forecast (2019-2030)
 - 7.3.4 Canada Market Size and Forecast (2019-2030)
 - 7.3.5 Mexico Market Size and Forecast (2019-2030)

8 EUROPE

- 8.1 Europe GaN Substrate Material Sales Quantity by Type (2019-2030)
- 8.2 Europe GaN Substrate Material Sales Quantity by Application (2019-2030)
- 8.3 Europe GaN Substrate Material Market Size by Country
 - 8.3.1 Europe GaN Substrate Material Sales Quantity by Country (2019-2030)
 - 8.3.2 Europe GaN Substrate Material Consumption Value by Country (2019-2030)
 - 8.3.3 Germany Market Size and Forecast (2019-2030)
 - 8.3.4 France Market Size and Forecast (2019-2030)
 - 8.3.5 United Kingdom Market Size and Forecast (2019-2030)
 - 8.3.6 Russia Market Size and Forecast (2019-2030)
 - 8.3.7 Italy Market Size and Forecast (2019-2030)

9 ASIA-PACIFIC

- 9.1 Asia-Pacific GaN Substrate Material Sales Quantity by Type (2019-2030)
- 9.2 Asia-Pacific GaN Substrate Material Sales Quantity by Application (2019-2030)
- 9.3 Asia-Pacific GaN Substrate Material Market Size by Region
 - 9.3.1 Asia-Pacific GaN Substrate Material Sales Quantity by Region (2019-2030)
 - 9.3.2 Asia-Pacific GaN Substrate Material Consumption Value by Region (2019-2030)
 - 9.3.3 China Market Size and Forecast (2019-2030)
 - 9.3.4 Japan Market Size and Forecast (2019-2030)
 - 9.3.5 South Korea Market Size and Forecast (2019-2030)
 - 9.3.6 India Market Size and Forecast (2019-2030)
 - 9.3.7 Southeast Asia Market Size and Forecast (2019-2030)
 - 9.3.8 Australia Market Size and Forecast (2019-2030)

10 SOUTH AMERICA

- 10.1 South America GaN Substrate Material Sales Quantity by Type (2019-2030)
- 10.2 South America GaN Substrate Material Sales Quantity by Application (2019-2030)
- 10.3 South America GaN Substrate Material Market Size by Country
 - 10.3.1 South America GaN Substrate Material Sales Quantity by Country (2019-2030)
 - 10.3.2 South America GaN Substrate Material Consumption Value by Country (2019-2030)
 - 10.3.3 Brazil Market Size and Forecast (2019-2030)
 - 10.3.4 Argentina Market Size and Forecast (2019-2030)

11 MIDDLE EAST & AFRICA

- 11.1 Middle East & Africa GaN Substrate Material Sales Quantity by Type (2019-2030)
- 11.2 Middle East & Africa GaN Substrate Material Sales Quantity by Application (2019-2030)
- 11.3 Middle East & Africa GaN Substrate Material Market Size by Country
 - 11.3.1 Middle East & Africa GaN Substrate Material Sales Quantity by Country (2019-2030)
 - 11.3.2 Middle East & Africa GaN Substrate Material Consumption Value by Country (2019-2030)
 - 11.3.3 Turkey Market Size and Forecast (2019-2030)
 - 11.3.4 Egypt Market Size and Forecast (2019-2030)
 - 11.3.5 Saudi Arabia Market Size and Forecast (2019-2030)
 - 11.3.6 South Africa Market Size and Forecast (2019-2030)

12 MARKET DYNAMICS

- 12.1 GaN Substrate Material Market Drivers
- 12.2 GaN Substrate Material Market Restraints
- 12.3 GaN Substrate Material 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 GaN Substrate Material and Key Manufacturers
- 13.2 Manufacturing Costs Percentage of GaN Substrate Material
- 13.3 GaN Substrate Material 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 GaN Substrate Material Typical Distributors

14.3 GaN Substrate Material 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 GaN Substrate Material Consumption Value by Type, (USD Million), 2019 & 2023 & 2030

Table 2. Global GaN Substrate Material Consumption Value by Application, (USD Million), 2019 & 2023 & 2030

Table 3. Crystalwise Technology Basic Information, Manufacturing Base and Competitors

Table 4. Crystalwise Technology Major Business

Table 5. Crystalwise Technology GaN Substrate Material Product and Services

Table 6. Crystalwise Technology GaN Substrate Material Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 7. Crystalwise Technology Recent Developments/Updates

Table 8. Gavish Basic Information, Manufacturing Base and Competitors

Table 9. Gavish Major Business

Table 10. Gavish GaN Substrate Material Product and Services

Table 11. Gavish GaN Substrate Material Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 12. Gavish Recent Developments/Updates

Table 13. Monocrystal Basic Information, Manufacturing Base and Competitors

Table 14. Monocrystal Major Business

Table 15. Monocrystal GaN Substrate Material Product and Services

Table 16. Monocrystal GaN Substrate Material Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 17. Monocrystal Recent Developments/Updates

Table 18. Rubicon Technology Basic Information, Manufacturing Base and Competitors

Table 19. Rubicon Technology Major Business

Table 20. Rubicon Technology GaN Substrate Material Product and Services

Table 21. Rubicon Technology GaN Substrate Material Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 22. Rubicon Technology Recent Developments/Updates

Table 23. Silian Basic Information, Manufacturing Base and Competitors

Table 24. Silian Major Business

Table 25. Silian GaN Substrate Material Product and Services

Table 26. Silian GaN Substrate Material Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 27. Silian Recent Developments/Updates

Table 28. Shanxi Huajing Hengji New Materials Basic Information, Manufacturing Base and Competitors

Table 29. Shanxi Huajing Hengji New Materials Major Business

Table 30. Shanxi Huajing Hengji New Materials GaN Substrate Material Product and Services

Table 31. Shanxi Huajing Hengji New Materials GaN Substrate Material Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 32. Shanxi Huajing Hengji New Materials Recent Developments/Updates

Table 33. Yuanliang Technology Basic Information, Manufacturing Base and Competitors

Table 34. Yuanliang Technology Major Business

Table 35. Yuanliang Technology GaN Substrate Material Product and Services

Table 36. Yuanliang Technology GaN Substrate Material Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 37. Yuanliang Technology Recent Developments/Updates

Table 38. Huacan Optoelectronics Co., Ltd. Basic Information, Manufacturing Base and Competitors

Table 39. Huacan Optoelectronics Co., Ltd. Major Business

Table 40. Huacan Optoelectronics Co., Ltd. GaN Substrate Material Product and Services

Table 41. Huacan Optoelectronics Co., Ltd. GaN Substrate Material Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 42. Huacan Optoelectronics Co., Ltd. Recent Developments/Updates

Table 43. Sanan Optoelectronics Co., Ltd. Basic Information, Manufacturing Base and Competitors

Table 44. Sanan Optoelectronics Co., Ltd. Major Business

Table 45. Sanan Optoelectronics Co., Ltd. GaN Substrate Material Product and Services

Table 46. Sanan Optoelectronics Co., Ltd. GaN Substrate Material Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 47. Sanan Optoelectronics Co., Ltd. Recent Developments/Updates

Table 48. Precision Micro-Optics Basic Information, Manufacturing Base and Competitors

Table 49. Precision Micro-Optics Major Business

Table 50. Precision Micro-Optics GaN Substrate Material Product and Services

Table 51. Precision Micro-Optics GaN Substrate Material Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 52. Precision Micro-Optics Recent Developments/Updates

Table 53. Adamant Namiki Basic Information, Manufacturing Base and Competitors

Table 54. Adamant Namiki Major Business

Table 55. Adamant Namiki GaN Substrate Material Product and Services

Table 56. Adamant Namiki GaN Substrate Material Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 57. Adamant Namiki Recent Developments/Updates

Table 58. Mitsubishi Chemical Basic Information, Manufacturing Base and Competitors

Table 59. Mitsubishi Chemical Major Business

Table 60. Mitsubishi Chemical GaN Substrate Material Product and Services

Table 61. Mitsubishi Chemical GaN Substrate Material Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 62. Mitsubishi Chemical Recent Developments/Updates

Table 63. Sumitomo Electric Basic Information, Manufacturing Base and Competitors

Table 64. Sumitomo Electric Major Business

Table 65. Sumitomo Electric GaN Substrate Material Product and Services

Table 66. Sumitomo Electric GaN Substrate Material Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 67. Sumitomo Electric Recent Developments/Updates

Table 68. Hitachi Basic Information, Manufacturing Base and Competitors

Table 69. Hitachi Major Business

Table 70. Hitachi GaN Substrate Material Product and Services

Table 71. Hitachi GaN Substrate Material Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 72. Hitachi Recent Developments/Updates

Table 73. Shin-Etsu Basic Information, Manufacturing Base and Competitors

Table 74. Shin-Etsu Major Business

Table 75. Shin-Etsu GaN Substrate Material Product and Services

Table 76. Shin-Etsu GaN Substrate Material Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 77. Shin-Etsu Recent Developments/Updates

Table 78. Fuji Electric Basic Information, Manufacturing Base and Competitors

Table 79. Fuji Electric Major Business

Table 80. Fuji Electric GaN Substrate Material Product and Services

Table 81. Fuji Electric GaN Substrate Material Sales Quantity (Tons), Average Price

(US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 82. Fuji Electric Recent Developments/Updates

Table 83. Global GaN Substrate Material Sales Quantity by Manufacturer (2019-2024) & (Tons)

Table 84. Global GaN Substrate Material Revenue by Manufacturer (2019-2024) & (USD Million)

Table 85. Global GaN Substrate Material Average Price by Manufacturer (2019-2024) & (US\$/Ton)

Table 86. Market Position of Manufacturers in GaN Substrate Material, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2023

Table 87. Head Office and GaN Substrate Material Production Site of Key Manufacturer

Table 88. GaN Substrate Material Market: Company Product Type Footprint

Table 89. GaN Substrate Material Market: Company Product Application Footprint

Table 90. GaN Substrate Material New Market Entrants and Barriers to Market Entry

Table 91. GaN Substrate Material Mergers, Acquisition, Agreements, and Collaborations

Table 92. Global GaN Substrate Material Consumption Value by Region (2019-2023-2030) & (USD Million) & CAGR

Table 93. Global GaN Substrate Material Sales Quantity by Region (2019-2024) & (Tons)

Table 94. Global GaN Substrate Material Sales Quantity by Region (2025-2030) & (Tons)

Table 95. Global GaN Substrate Material Consumption Value by Region (2019-2024) & (USD Million)

Table 96. Global GaN Substrate Material Consumption Value by Region (2025-2030) & (USD Million)

Table 97. Global GaN Substrate Material Average Price by Region (2019-2024) & (US\$/Ton)

Table 98. Global GaN Substrate Material Average Price by Region (2025-2030) & (US\$/Ton)

Table 99. Global GaN Substrate Material Sales Quantity by Type (2019-2024) & (Tons)

Table 100. Global GaN Substrate Material Sales Quantity by Type (2025-2030) & (Tons)

Table 101. Global GaN Substrate Material Consumption Value by Type (2019-2024) & (USD Million)

Table 102. Global GaN Substrate Material Consumption Value by Type (2025-2030) & (USD Million)

Table 103. Global GaN Substrate Material Average Price by Type (2019-2024) & (US\$/Ton)

Table 104. Global GaN Substrate Material Average Price by Type (2025-2030) & (US\$/Ton)

Table 105. Global GaN Substrate Material Sales Quantity by Application (2019-2024) & (Tons)

Table 106. Global GaN Substrate Material Sales Quantity by Application (2025-2030) & (Tons)

Table 107. Global GaN Substrate Material Consumption Value by Application (2019-2024) & (USD Million)

Table 108. Global GaN Substrate Material Consumption Value by Application (2025-2030) & (USD Million)

Table 109. Global GaN Substrate Material Average Price by Application (2019-2024) & (US\$/Ton)

Table 110. Global GaN Substrate Material Average Price by Application (2025-2030) & (US\$/Ton)

Table 111. North America GaN Substrate Material Sales Quantity by Type (2019-2024) & (Tons)

Table 112. North America GaN Substrate Material Sales Quantity by Type (2025-2030) & (Tons)

Table 113. North America GaN Substrate Material Sales Quantity by Application (2019-2024) & (Tons)

Table 114. North America GaN Substrate Material Sales Quantity by Application (2025-2030) & (Tons)

Table 115. North America GaN Substrate Material Sales Quantity by Country (2019-2024) & (Tons)

Table 116. North America GaN Substrate Material Sales Quantity by Country (2025-2030) & (Tons)

Table 117. North America GaN Substrate Material Consumption Value by Country (2019-2024) & (USD Million)

Table 118. North America GaN Substrate Material Consumption Value by Country (2025-2030) & (USD Million)

Table 119. Europe GaN Substrate Material Sales Quantity by Type (2019-2024) & (Tons)

Table 120. Europe GaN Substrate Material Sales Quantity by Type (2025-2030) & (Tons)

Table 121. Europe GaN Substrate Material Sales Quantity by Application (2019-2024) & (Tons)

Table 122. Europe GaN Substrate Material Sales Quantity by Application (2025-2030) & (Tons)

Table 123. Europe GaN Substrate Material Sales Quantity by Country (2019-2024) &

(Tons)

Table 124. Europe GaN Substrate Material Sales Quantity by Country (2025-2030) &

(Tons)

Table 125. Europe GaN Substrate Material Consumption Value by Country (2019-2024) & (USD Million)

Table 126. Europe GaN Substrate Material Consumption Value by Country (2025-2030) & (USD Million)

Table 127. Asia-Pacific GaN Substrate Material Sales Quantity by Type (2019-2024) & (Tons)

Table 128. Asia-Pacific GaN Substrate Material Sales Quantity by Type (2025-2030) & (Tons)

Table 129. Asia-Pacific GaN Substrate Material Sales Quantity by Application (2019-2024) & (Tons)

Table 130. Asia-Pacific GaN Substrate Material Sales Quantity by Application (2025-2030) & (Tons)

Table 131. Asia-Pacific GaN Substrate Material Sales Quantity by Region (2019-2024) & (Tons)

Table 132. Asia-Pacific GaN Substrate Material Sales Quantity by Region (2025-2030) & (Tons)

Table 133. Asia-Pacific GaN Substrate Material Consumption Value by Region (2019-2024) & (USD Million)

Table 134. Asia-Pacific GaN Substrate Material Consumption Value by Region (2025-2030) & (USD Million)

Table 135. South America GaN Substrate Material Sales Quantity by Type (2019-2024) & (Tons)

Table 136. South America GaN Substrate Material Sales Quantity by Type (2025-2030) & (Tons)

Table 137. South America GaN Substrate Material Sales Quantity by Application (2019-2024) & (Tons)

Table 138. South America GaN Substrate Material Sales Quantity by Application (2025-2030) & (Tons)

Table 139. South America GaN Substrate Material Sales Quantity by Country (2019-2024) & (Tons)

Table 140. South America GaN Substrate Material Sales Quantity by Country (2025-2030) & (Tons)

Table 141. South America GaN Substrate Material Consumption Value by Country (2019-2024) & (USD Million)

Table 142. South America GaN Substrate Material Consumption Value by Country (2025-2030) & (USD Million)

Table 143. Middle East & Africa GaN Substrate Material Sales Quantity by Type (2019-2024) & (Tons)

Table 144. Middle East & Africa GaN Substrate Material Sales Quantity by Type (2025-2030) & (Tons)

Table 145. Middle East & Africa GaN Substrate Material Sales Quantity by Application (2019-2024) & (Tons)

Table 146. Middle East & Africa GaN Substrate Material Sales Quantity by Application (2025-2030) & (Tons)

Table 147. Middle East & Africa GaN Substrate Material Sales Quantity by Country (2019-2024) & (Tons)

Table 148. Middle East & Africa GaN Substrate Material Sales Quantity by Country (2025-2030) & (Tons)

Table 149. Middle East & Africa GaN Substrate Material Consumption Value by Country (2019-2024) & (USD Million)

Table 150. Middle East & Africa GaN Substrate Material Consumption Value by Country (2025-2030) & (USD Million)

Table 151. GaN Substrate Material Raw Material

Table 152. Key Manufacturers of GaN Substrate Material Raw Materials

Table 153. GaN Substrate Material Typical Distributors

Table 154. GaN Substrate Material Typical Customers

List Of Figures

LIST OF FIGURES

- Figure 1. GaN Substrate Material Picture
- Figure 2. Global GaN Substrate Material Revenue by Type, (USD Million), 2019 & 2023 & 2030
- Figure 3. Global GaN Substrate Material Revenue Market Share by Type in 2023
- Figure 4. Sapphire Blue Examples
- Figure 5. Si Examples
- Figure 6. SiC Examples
- Figure 7. GaN Examples
- Figure 8. Global GaN Substrate Material Consumption Value by Application, (USD Million), 2019 & 2023 & 2030
- Figure 9. Global GaN Substrate Material Revenue Market Share by Application in 2023
- Figure 10. Light Emitting Diode (LED) Examples
- Figure 11. Radio Frequency Integrated Circuit (RFIC) Examples
- Figure 12. Laser Diode Examples
- Figure 13. Others Examples
- Figure 14. Global GaN Substrate Material Consumption Value, (USD Million): 2019 & 2023 & 2030
- Figure 15. Global GaN Substrate Material Consumption Value and Forecast (2019-2030) & (USD Million)
- Figure 16. Global GaN Substrate Material Sales Quantity (2019-2030) & (Tons)
- Figure 17. Global GaN Substrate Material Price (2019-2030) & (US\$/Ton)
- Figure 18. Global GaN Substrate Material Sales Quantity Market Share by Manufacturer in 2023
- Figure 19. Global GaN Substrate Material Revenue Market Share by Manufacturer in 2023
- Figure 20. Producer Shipments of GaN Substrate Material by Manufacturer Sales (\$MM) and Market Share (%): 2023
- Figure 21. Top 3 GaN Substrate Material Manufacturer (Revenue) Market Share in 2023
- Figure 22. Top 6 GaN Substrate Material Manufacturer (Revenue) Market Share in 2023
- Figure 23. Global GaN Substrate Material Sales Quantity Market Share by Region (2019-2030)
- Figure 24. Global GaN Substrate Material Consumption Value Market Share by Region (2019-2030)

Figure 25. North America GaN Substrate Material Consumption Value (2019-2030) & (USD Million)

Figure 26. Europe GaN Substrate Material Consumption Value (2019-2030) & (USD Million)

Figure 27. Asia-Pacific GaN Substrate Material Consumption Value (2019-2030) & (USD Million)

Figure 28. South America GaN Substrate Material Consumption Value (2019-2030) & (USD Million)

Figure 29. Middle East & Africa GaN Substrate Material Consumption Value (2019-2030) & (USD Million)

Figure 30. Global GaN Substrate Material Sales Quantity Market Share by Type (2019-2030)

Figure 31. Global GaN Substrate Material Consumption Value Market Share by Type (2019-2030)

Figure 32. Global GaN Substrate Material Average Price by Type (2019-2030) & (US\$/Ton)

Figure 33. Global GaN Substrate Material Sales Quantity Market Share by Application (2019-2030)

Figure 34. Global GaN Substrate Material Revenue Market Share by Application (2019-2030)

Figure 35. Global GaN Substrate Material Average Price by Application (2019-2030) & (US\$/Ton)

Figure 36. North America GaN Substrate Material Sales Quantity Market Share by Type (2019-2030)

Figure 37. North America GaN Substrate Material Sales Quantity Market Share by Application (2019-2030)

Figure 38. North America GaN Substrate Material Sales Quantity Market Share by Country (2019-2030)

Figure 39. North America GaN Substrate Material Consumption Value Market Share by Country (2019-2030)

Figure 40. United States GaN Substrate Material Consumption Value (2019-2030) & (USD Million)

Figure 41. Canada GaN Substrate Material Consumption Value (2019-2030) & (USD Million)

Figure 42. Mexico GaN Substrate Material Consumption Value (2019-2030) & (USD Million)

Figure 43. Europe GaN Substrate Material Sales Quantity Market Share by Type (2019-2030)

Figure 44. Europe GaN Substrate Material Sales Quantity Market Share by Application

(2019-2030)

Figure 45. Europe GaN Substrate Material Sales Quantity Market Share by Country (2019-2030)

Figure 46. Europe GaN Substrate Material Consumption Value Market Share by Country (2019-2030)

Figure 47. Germany GaN Substrate Material Consumption Value (2019-2030) & (USD Million)

Figure 48. France GaN Substrate Material Consumption Value (2019-2030) & (USD Million)

Figure 49. United Kingdom GaN Substrate Material Consumption Value (2019-2030) & (USD Million)

Figure 50. Russia GaN Substrate Material Consumption Value (2019-2030) & (USD Million)

Figure 51. Italy GaN Substrate Material Consumption Value (2019-2030) & (USD Million)

Figure 52. Asia-Pacific GaN Substrate Material Sales Quantity Market Share by Type (2019-2030)

Figure 53. Asia-Pacific GaN Substrate Material Sales Quantity Market Share by Application (2019-2030)

Figure 54. Asia-Pacific GaN Substrate Material Sales Quantity Market Share by Region (2019-2030)

Figure 55. Asia-Pacific GaN Substrate Material Consumption Value Market Share by Region (2019-2030)

Figure 56. China GaN Substrate Material Consumption Value (2019-2030) & (USD Million)

Figure 57. Japan GaN Substrate Material Consumption Value (2019-2030) & (USD Million)

Figure 58. South Korea GaN Substrate Material Consumption Value (2019-2030) & (USD Million)

Figure 59. India GaN Substrate Material Consumption Value (2019-2030) & (USD Million)

Figure 60. Southeast Asia GaN Substrate Material Consumption Value (2019-2030) & (USD Million)

Figure 61. Australia GaN Substrate Material Consumption Value (2019-2030) & (USD Million)

Figure 62. South America GaN Substrate Material Sales Quantity Market Share by Type (2019-2030)

Figure 63. South America GaN Substrate Material Sales Quantity Market Share by Application (2019-2030)

Figure 64. South America GaN Substrate Material Sales Quantity Market Share by Country (2019-2030)

Figure 65. South America GaN Substrate Material Consumption Value Market Share by Country (2019-2030)

Figure 66. Brazil GaN Substrate Material Consumption Value (2019-2030) & (USD Million)

Figure 67. Argentina GaN Substrate Material Consumption Value (2019-2030) & (USD Million)

Figure 68. Middle East & Africa GaN Substrate Material Sales Quantity Market Share by Type (2019-2030)

Figure 69. Middle East & Africa GaN Substrate Material Sales Quantity Market Share by Application (2019-2030)

Figure 70. Middle East & Africa GaN Substrate Material Sales Quantity Market Share by Country (2019-2030)

Figure 71. Middle East & Africa GaN Substrate Material Consumption Value Market Share by Country (2019-2030)

Figure 72. Turkey GaN Substrate Material Consumption Value (2019-2030) & (USD Million)

Figure 73. Egypt GaN Substrate Material Consumption Value (2019-2030) & (USD Million)

Figure 74. Saudi Arabia GaN Substrate Material Consumption Value (2019-2030) & (USD Million)

Figure 75. South Africa GaN Substrate Material Consumption Value (2019-2030) & (USD Million)

Figure 76. GaN Substrate Material Market Drivers

Figure 77. GaN Substrate Material Market Restraints

Figure 78. GaN Substrate Material Market Trends

Figure 79. Porters Five Forces Analysis

Figure 80. Manufacturing Cost Structure Analysis of GaN Substrate Material in 2023

Figure 81. Manufacturing Process Analysis of GaN Substrate Material

Figure 82. GaN Substrate Material Industrial Chain

Figure 83. Sales Channel: Direct to End-User vs Distributors

Figure 84. Direct Channel Pros & Cons

Figure 85. Indirect Channel Pros & Cons

Figure 86. Methodology

Figure 87. Research Process and Data Source

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