

# Global GaN Wafer Foundry Market Research Report 2025(Status and Outlook)

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## Abstracts

### Report Overview

GaN wafer foundry refers to the process of manufacturing Gallium Nitride (GaN) wafers that are used in various electronic devices such as LEDs, power electronics, and radio frequency (RF) devices. GaN wafers offer advantages such as high electron mobility, high breakdown voltage, and thermal conductivity, making them ideal for high-power and high-frequency applications. The market for GaN wafer foundry services is driven by the increasing demand for energy-efficient electronic devices, the growing adoption of GaN technology in automotive and consumer electronics, and the rising investments in 5G infrastructure. As the need for smaller, faster, and more efficient electronic components continues to rise, the GaN wafer foundry market is expected to witness significant growth in the coming years.

Market trends in the GaN wafer foundry industry include the development of advanced manufacturing techniques to improve wafer quality and reduce production costs, the expansion of production capacities by key players to meet the growing demand, and the focus on research and development to enhance the performance of GaN-based devices. Additionally, the shift towards GaN-on-Silicon technology for cost-effective production and the increasing collaborations and partnerships between foundries and device manufacturers are shaping the market landscape. At the same time, the rising demand for GaN wafers in emerging applications such as electric vehicles, renewable energy, and wireless charging is expected to create new opportunities for market growth.

This report provides a deep insight into the global GaN Wafer Foundry market covering all its essential aspects. This ranges from a macro overview of the market to micro

details of the market size, competitive landscape, development trend, niche market, key market drivers and challenges, SWOT analysis, value chain analysis, etc.

The analysis helps the reader to shape the competition within the industries and strategies for the competitive environment to enhance the potential profit. Furthermore, it provides a simple framework for evaluating and accessing the position of the business organization. The report structure also focuses on the competitive landscape of the Global GaN Wafer Foundry Market, this report introduces in detail the market share, market performance, product situation, operation situation, etc. of the main players, which helps the readers in the industry to identify the main competitors and deeply understand the competition pattern of the market.

In a word, this report is a must-read for industry players, investors, researchers, consultants, business strategists, and all those who have any kind of stake or are planning to foray into the GaN Wafer Foundry market in any manner.

#### Global GaN Wafer Foundry Market: Market Segmentation Analysis

The research report includes specific segments by region (country), manufacturers, Type, and Application. Market segmentation creates subsets of a market based on product type, end-user or application, Geographic, and other factors. By understanding the market segments, the decision-maker can leverage this targeting in the product, sales, and marketing strategies. Market segments can power your product development cycles by informing how you create product offerings for different segments.

#### Key Company

TSMC

Samsung Foundry

UMC

SANAN

SixPoint Materials

GlobalFoundries

SMIC

PSMC

VIS

GCS

Market Segmentation (by Type)

Pure-play Foundry

IDM Foundry

Market Segmentation (by Application)

Consumer Electronics

Industrial

Automotive

High Performance Computing

Others

Geographic Segmentation

North America (USA, Canada, Mexico)

Europe (Germany, UK, France, Russia, Italy, Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Rest of Asia-Pacific)

South America (Brazil, Argentina, Columbia, Rest of South America)

The Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria, South Africa, Rest of MEA)

### Key Benefits of This Market Research:

- Industry drivers, restraints, and opportunities covered in the study
- Neutral perspective on the market performance
- Recent industry trends and developments
- Competitive landscape & strategies of key players
- Potential & niche segments and regions exhibiting promising growth covered
- Historical, current, and projected market size, in terms of value
- In-depth analysis of the GaN Wafer Foundry Market

Overview of the regional outlook of the GaN Wafer Foundry Market:

### Key Reasons to Buy this Report:

Access to date statistics compiled by our researchers. These provide you with historical and forecast data, which is analyzed to tell you why your market is set to change

This enables you to anticipate market changes to remain ahead of your competitors

You will be able to copy data from the Excel spreadsheet straight into your marketing plans, business presentations, or other strategic documents

The concise analysis, clear graph, and table format will enable you to pinpoint the information you require quickly

Provision of market value (USD Billion) data for each segment and sub-segment

Indicates the region and segment that is expected to witness the fastest growth

as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each region

Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry concerning recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market from various perspectives through Porter's five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market in the years to come

6-month post-sales analyst support

## Customization of the Report

In case of any queries or customization requirements, please connect with our sales team, who will ensure that your requirements are met.

## Chapter Outline

Chapter 1 mainly introduces the statistical scope of the report, market division standards, and market research methods.

Chapter 2 is an executive summary of different market segments (by region, product

type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the GaN Wafer Foundry Market and its likely evolution in the short to mid-term, and long term.

Chapter 3 makes a detailed analysis of the market's competitive landscape of the market and provides the market share, capacity, output, price, latest development plan, merger, and acquisition information of the main manufacturers in the market.

Chapter 4 is the analysis of the whole market industrial chain, including the upstream and downstream of the industry, as well as Porter's five forces analysis.

Chapter 5 introduces the latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 6 provides the analysis of various market segments according to product types, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 7 provides the analysis of various market segments according to application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 8 provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and capacity of each country in the world.

Chapter 9 introduces the basic situation of the main companies in the market in detail, including product sales revenue, sales volume, price, gross profit margin, market share, product introduction, recent development, etc.

Chapter 10 provides a quantitative analysis of the market size and development potential of each region in the next five years.

Chapter 11 provides a quantitative analysis of the market size and development potential of each market segment (product type and application) in the next five years.

Chapter 12 is the main points and conclusions of the report.

## Contents

### **1 RESEARCH METHODOLOGY AND STATISTICAL SCOPE**

- 1.1 Market Definition and Statistical Scope of GaN Wafer Foundry
- 1.2 Key Market Segments
  - 1.2.1 GaN Wafer Foundry Segment by Type
  - 1.2.2 GaN Wafer Foundry Segment by Application
- 1.3 Methodology & Sources of Information
  - 1.3.1 Research Methodology
  - 1.3.2 Research Process
  - 1.3.3 Market Breakdown and Data Triangulation
  - 1.3.4 Base Year
  - 1.3.5 Report Assumptions & Caveats

### **2 GAN WAFER FOUNDRY MARKET OVERVIEW**

- 2.1 Global Market Overview
  - 2.1.1 Global GaN Wafer Foundry Market Size (M USD) Estimates and Forecasts (2020-2033)
  - 2.1.2 Global GaN Wafer Foundry Sales Estimates and Forecasts (2020-2033)
- 2.2 Market Segment Executive Summary
- 2.3 Global Market Size by Region

### **3 GAN WAFER FOUNDRY MARKET COMPETITIVE LANDSCAPE**

- 3.1 Company Assessment Quadrant
- 3.2 Global GaN Wafer Foundry Product Life Cycle
- 3.3 Global GaN Wafer Foundry Sales by Manufacturers (2020-2025)
- 3.4 Global GaN Wafer Foundry Revenue Market Share by Manufacturers (2020-2025)
- 3.5 GaN Wafer Foundry Market Share by Company Type (Tier 1, Tier 2, and Tier 3)
- 3.6 Global GaN Wafer Foundry Average Price by Manufacturers (2020-2025)
- 3.7 Manufacturers GaN Wafer Foundry Manufacturing Sites, Area Served, Product Type
- 3.8 GaN Wafer Foundry Market Competitive Situation and Trends
  - 3.8.1 GaN Wafer Foundry Market Concentration Rate
  - 3.8.2 Global 5 and 10 Largest GaN Wafer Foundry Players Market Share by Revenue
  - 3.8.3 Mergers & Acquisitions, Expansion

## **4 GAN WAFER FOUNDRY INDUSTRY CHAIN ANALYSIS**

- 4.1 GaN Wafer Foundry Industry Chain Analysis
- 4.2 Market Overview of Key Raw Materials
- 4.3 Midstream Market Analysis
- 4.4 Downstream Customer Analysis

## **5 THE DEVELOPMENT AND DYNAMICS OF GAN WAFER FOUNDRY MARKET**

- 5.1 Key Development Trends
- 5.2 Driving Factors
- 5.3 Market Challenges
- 5.4 Industry News
  - 5.4.1 New Product Developments
  - 5.4.2 Mergers & Acquisitions
  - 5.4.3 Expansions
  - 5.4.4 Collaboration/Supply Contracts
- 5.5 PEST Analysis
  - 5.5.1 Industry Policies Analysis
  - 5.5.2 Economic Environment Analysis
  - 5.5.3 Social Environment Analysis
  - 5.5.4 Technological Environment Analysis
- 5.6 Global GaN Wafer Foundry Market Porter's Five Forces Analysis
  - 5.6.1 Global Trade Frictions
  - 5.6.2 Global Trade Frictions and Their Impacts to GaN Wafer Foundry Market
- 5.7 ESG Ratings of Leading Companies

## **6 GAN WAFER FOUNDRY MARKET SEGMENTATION BY TYPE**

- 6.1 Evaluation Matrix of Segment Market Development Potential (Type)
- 6.2 Global GaN Wafer Foundry Sales Market Share by Type (2020-2025)
- 6.3 Global GaN Wafer Foundry Market Size Market Share by Type (2020-2025)
- 6.4 Global GaN Wafer Foundry Price by Type (2020-2025)

## **7 GAN WAFER FOUNDRY MARKET SEGMENTATION BY APPLICATION**

- 7.1 Evaluation Matrix of Segment Market Development Potential (Application)
- 7.2 Global GaN Wafer Foundry Market Sales by Application (2020-2025)
- 7.3 Global GaN Wafer Foundry Market Size (M USD) by Application (2020-2025)



## 7.4 Global GaN Wafer Foundry Sales Growth Rate by Application (2020-2025)

# 8 GAN WAFER FOUNDRY MARKET SALES BY REGION

## 8.1 Global GaN Wafer Foundry Sales by Region

### 8.1.1 Global GaN Wafer Foundry Sales by Region

### 8.1.2 Global GaN Wafer Foundry Sales Market Share by Region

## 8.2 Global GaN Wafer Foundry Market Size by Region

### 8.2.1 Global GaN Wafer Foundry Market Size by Region

### 8.2.2 Global GaN Wafer Foundry Market Size Market Share by Region

## 8.3 North America

### 8.3.1 North America GaN Wafer Foundry Sales by Country

### 8.3.2 North America GaN Wafer Foundry Market Size by Country

### 8.3.3 U.S. Market Overview

### 8.3.4 Canada Market Overview

### 8.3.5 Mexico Market Overview

## 8.4 Europe

### 8.4.1 Europe GaN Wafer Foundry Sales by Country

### 8.4.2 Europe GaN Wafer Foundry Market Size by Country

### 8.4.3 Germany Market Overview

### 8.4.4 France Market Overview

### 8.4.5 U.K. Market Overview

### 8.4.6 Italy Market Overview

### 8.4.7 Spain Market Overview

## 8.5 Asia Pacific

### 8.5.1 Asia Pacific GaN Wafer Foundry Sales by Region

### 8.5.2 Asia Pacific GaN Wafer Foundry Market Size by Region

### 8.5.3 China Market Overview

### 8.5.4 Japan Market Overview

### 8.5.5 South Korea Market Overview

### 8.5.6 India Market Overview

### 8.5.7 Southeast Asia Market Overview

## 8.6 South America

### 8.6.1 South America GaN Wafer Foundry Sales by Country

### 8.6.2 South America GaN Wafer Foundry Market Size by Country

### 8.6.3 Brazil Market Overview

### 8.6.4 Argentina Market Overview

### 8.6.5 Columbia Market Overview

## 8.7 Middle East and Africa

- 8.7.1 Middle East and Africa GaN Wafer Foundry Sales by Region
- 8.7.2 Middle East and Africa GaN Wafer Foundry Market Size by Region
- 8.7.3 Saudi Arabia Market Overview
- 8.7.4 UAE Market Overview
- 8.7.5 Egypt Market Overview
- 8.7.6 Nigeria Market Overview
- 8.7.7 South Africa Market Overview

## **9 GAN WAFER FOUNDRY MARKET PRODUCTION BY REGION**

- 9.1 Global Production of GaN Wafer Foundry by Region(2020-2025)
- 9.2 Global GaN Wafer Foundry Revenue Market Share by Region (2020-2025)
- 9.3 Global GaN Wafer Foundry Production, Revenue, Price and Gross Margin (2020-2025)
- 9.4 North America GaN Wafer Foundry Production
  - 9.4.1 North America GaN Wafer Foundry Production Growth Rate (2020-2025)
  - 9.4.2 North America GaN Wafer Foundry Production, Revenue, Price and Gross Margin (2020-2025)
- 9.5 Europe GaN Wafer Foundry Production
  - 9.5.1 Europe GaN Wafer Foundry Production Growth Rate (2020-2025)
  - 9.5.2 Europe GaN Wafer Foundry Production, Revenue, Price and Gross Margin (2020-2025)
- 9.6 Japan GaN Wafer Foundry Production (2020-2025)
  - 9.6.1 Japan GaN Wafer Foundry Production Growth Rate (2020-2025)
  - 9.6.2 Japan GaN Wafer Foundry Production, Revenue, Price and Gross Margin (2020-2025)
- 9.7 China GaN Wafer Foundry Production (2020-2025)
  - 9.7.1 China GaN Wafer Foundry Production Growth Rate (2020-2025)
  - 9.7.2 China GaN Wafer Foundry Production, Revenue, Price and Gross Margin (2020-2025)

## **10 KEY COMPANIES PROFILE**

- 10.1 TSMC
  - 10.1.1 TSMC Basic Information
  - 10.1.2 TSMC GaN Wafer Foundry Product Overview
  - 10.1.3 TSMC GaN Wafer Foundry Product Market Performance
  - 10.1.4 TSMC Business Overview
  - 10.1.5 TSMC SWOT Analysis

- 10.1.6 TSMC Recent Developments
- 10.2 Samsung Foundry
  - 10.2.1 Samsung Foundry Basic Information
  - 10.2.2 Samsung Foundry GaN Wafer Foundry Product Overview
  - 10.2.3 Samsung Foundry GaN Wafer Foundry Product Market Performance
  - 10.2.4 Samsung Foundry Business Overview
  - 10.2.5 Samsung Foundry SWOT Analysis
  - 10.2.6 Samsung Foundry Recent Developments
- 10.3 UMC
  - 10.3.1 UMC Basic Information
  - 10.3.2 UMC GaN Wafer Foundry Product Overview
  - 10.3.3 UMC GaN Wafer Foundry Product Market Performance
  - 10.3.4 UMC Business Overview
  - 10.3.5 UMC SWOT Analysis
  - 10.3.6 UMC Recent Developments
- 10.4 SANAN
  - 10.4.1 SANAN Basic Information
  - 10.4.2 SANAN GaN Wafer Foundry Product Overview
  - 10.4.3 SANAN GaN Wafer Foundry Product Market Performance
  - 10.4.4 SANAN Business Overview
  - 10.4.5 SANAN Recent Developments
- 10.5 SixPoint Materials
  - 10.5.1 SixPoint Materials Basic Information
  - 10.5.2 SixPoint Materials GaN Wafer Foundry Product Overview
  - 10.5.3 SixPoint Materials GaN Wafer Foundry Product Market Performance
  - 10.5.4 SixPoint Materials Business Overview
  - 10.5.5 SixPoint Materials Recent Developments
- 10.6 GlobalFoundries
  - 10.6.1 GlobalFoundries Basic Information
  - 10.6.2 GlobalFoundries GaN Wafer Foundry Product Overview
  - 10.6.3 GlobalFoundries GaN Wafer Foundry Product Market Performance
  - 10.6.4 GlobalFoundries Business Overview
  - 10.6.5 GlobalFoundries Recent Developments
- 10.7 SMIC
  - 10.7.1 SMIC Basic Information
  - 10.7.2 SMIC GaN Wafer Foundry Product Overview
  - 10.7.3 SMIC GaN Wafer Foundry Product Market Performance
  - 10.7.4 SMIC Business Overview
  - 10.7.5 SMIC Recent Developments

## 10.8 PSMC

10.8.1 PSMC Basic Information

10.8.2 PSMC GaN Wafer Foundry Product Overview

10.8.3 PSMC GaN Wafer Foundry Product Market Performance

10.8.4 PSMC Business Overview

10.8.5 PSMC Recent Developments

## 10.9 VIS

10.9.1 VIS Basic Information

10.9.2 VIS GaN Wafer Foundry Product Overview

10.9.3 VIS GaN Wafer Foundry Product Market Performance

10.9.4 VIS Business Overview

10.9.5 VIS Recent Developments

## 10.10 GCS

10.10.1 GCS Basic Information

10.10.2 GCS GaN Wafer Foundry Product Overview

10.10.3 GCS GaN Wafer Foundry Product Market Performance

10.10.4 GCS Business Overview

10.10.5 GCS Recent Developments

## 11 GAN WAFER FOUNDRY MARKET FORECAST BY REGION

11.1 Global GaN Wafer Foundry Market Size Forecast

11.2 Global GaN Wafer Foundry Market Forecast by Region

11.2.1 North America Market Size Forecast by Country

11.2.2 Europe GaN Wafer Foundry Market Size Forecast by Country

11.2.3 Asia Pacific GaN Wafer Foundry Market Size Forecast by Region

11.2.4 South America GaN Wafer Foundry Market Size Forecast by Country

11.2.5 Middle East and Africa Forecasted Sales of GaN Wafer Foundry by Country

## 12 FORECAST MARKET BY TYPE AND BY APPLICATION (2026-2033)

12.1 Global GaN Wafer Foundry Market Forecast by Type (2026-2033)

12.1.1 Global Forecasted Sales of GaN Wafer Foundry by Type (2026-2033)

12.1.2 Global GaN Wafer Foundry Market Size Forecast by Type (2026-2033)

12.1.3 Global Forecasted Price of GaN Wafer Foundry by Type (2026-2033)

12.2 Global GaN Wafer Foundry Market Forecast by Application (2026-2033)

12.2.1 Global GaN Wafer Foundry Sales (K Units) Forecast by Application

12.2.2 Global GaN Wafer Foundry Market Size (M USD) Forecast by Application (2026-2033)

## 13 CONCLUSION AND KEY FINDINGS

### List of Tables

Table 1. Introduction of the Type

Table 2. Introduction of the Application

Table 3. Market Size (M USD) Segment Executive Summary

Table 4. GaN Wafer Foundry Market Size Comparison by Region (M USD)

Table 5. Global GaN Wafer Foundry Sales (K Units) by Manufacturers (2020-2025)

Table 6. Global GaN Wafer Foundry Sales Market Share by Manufacturers (2020-2025)

Table 7. Global GaN Wafer Foundry Revenue (M USD) by Manufacturers (2020-2025)

Table 8. Global GaN Wafer Foundry Revenue Share by Manufacturers (2020-2025)

Table 9. Company Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue in GaN Wafer Foundry as of 2024)

Table 10. Global Market GaN Wafer Foundry Average Price (USD/Unit) of Key Manufacturers (2020-2025)

Table 11. Manufacturers GaN Wafer Foundry Manufacturing Sites and Area Served

Table 12. Manufacturers GaN Wafer Foundry Product Type

Table 13. Global GaN Wafer Foundry Manufacturers Market Concentration Ratio (CR5 and HHI)

Table 14. Mergers & Acquisitions, Expansion Plans

Table 15. Market Overview of Key Raw Materials

Table 16. Midstream Market Analysis

Table 17. Downstream Customer Analysis

Table 18. Key Development Trends

Table 19. Driving Factors

Table 20. GaN Wafer Foundry Market Challenges

Table 21. Goldman Sachs' forecast real GDP growth rate for 2024-2026

Table 22. S&P Global ' Forecast Real GDP Growth Rate For 2024-2027

Table 23. World Bank ' Forecast Real GDP Growth Rate For 2024-2026

Table 24. Global GaN Wafer Foundry Sales by Type (K Units)

Table 25. Global GaN Wafer Foundry Market Size by Type (M USD)

Table 26. Global GaN Wafer Foundry Sales (K Units) by Type (2020-2025)

Table 27. Global GaN Wafer Foundry Sales Market Share by Type (2020-2025)

Table 28. Global GaN Wafer Foundry Market Size (M USD) by Type (2020-2025)

Table 29. Global GaN Wafer Foundry Market Size Share by Type (2020-2025)

Table 30. Global GaN Wafer Foundry Price (USD/Unit) by Type (2020-2025)

Table 31. Global GaN Wafer Foundry Sales (K Units) by Application

Table 32. Global GaN Wafer Foundry Market Size by Application

Table 33. Global GaN Wafer Foundry Sales by Application (2020-2025) & (K Units)

|                                                                                                                                       |
|---------------------------------------------------------------------------------------------------------------------------------------|
| Table 34. Global GaN Wafer Foundry Sales Market Share by Application (2020-2025)                                                      |
| Table 35. Global GaN Wafer Foundry Market Size by Application (2020-2025) & (M USD)                                                   |
| Table 36. Global GaN Wafer Foundry Market Share by Application (2020-2025)                                                            |
| Table 37. Global GaN Wafer Foundry Sales Growth Rate by Application (2020-2025)                                                       |
| Table 38. Global GaN Wafer Foundry Sales by Region (2020-2025) & (K Units)                                                            |
| Table 39. Global GaN Wafer Foundry Sales Market Share by Region (2020-2025)                                                           |
| Table 40. Global GaN Wafer Foundry Market Size by Region (2020-2025) & (M USD)                                                        |
| Table 41. Global GaN Wafer Foundry Market Size Market Share by Region (2020-2025)                                                     |
| Table 42. North America GaN Wafer Foundry Sales by Country (2020-2025) & (K Units)                                                    |
| Table 43. North America GaN Wafer Foundry Market Size by Country (2020-2025) & (M USD)                                                |
| Table 44. Europe GaN Wafer Foundry Sales by Country (2020-2025) & (K Units)                                                           |
| Table 45. Europe GaN Wafer Foundry Market Size by Country (2020-2025) & (M USD)                                                       |
| Table 46. Asia Pacific GaN Wafer Foundry Sales by Region (2020-2025) & (K Units)                                                      |
| Table 47. Asia Pacific GaN Wafer Foundry Market Size by Region (2020-2025) & (M USD)                                                  |
| Table 48. South America GaN Wafer Foundry Sales by Country (2020-2025) & (K Units)                                                    |
| Table 49. South America GaN Wafer Foundry Market Size by Country (2020-2025) & (M USD)                                                |
| Table 50. Middle East and Africa GaN Wafer Foundry Sales by Region (2020-2025) & (K Units)                                            |
| Table 51. Middle East and Africa GaN Wafer Foundry Market Size by Region (2020-2025) & (M USD)                                        |
| Table 52. Global GaN Wafer Foundry Production (K Units) by Region(2020-2025)                                                          |
| Table 53. Global GaN Wafer Foundry Revenue (US\$ Million) by Region (2020-2025)                                                       |
| Table 54. Global GaN Wafer Foundry Revenue Market Share by Region (2020-2025)                                                         |
| Table 55. Global GaN Wafer Foundry Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)        |
| Table 56. North America GaN Wafer Foundry Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025) |
| Table 57. Europe GaN Wafer Foundry Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)        |
| Table 58. Japan GaN Wafer Foundry Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)         |
| Table 59. China GaN Wafer Foundry Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)         |
| Table 60. TSMC Basic Information                                                                                                      |
| Table 61. TSMC GaN Wafer Foundry Product Overview                                                                                     |



Table 62. TSMC GaN Wafer Foundry Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 63. TSMC Business Overview

Table 64. TSMC SWOT Analysis

Table 65. TSMC Recent Developments

Table 66. Samsung Foundry Basic Information

Table 67. Samsung Foundry GaN Wafer Foundry Product Overview

Table 68. Samsung Foundry GaN Wafer Foundry Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 69. Samsung Foundry Business Overview

Table 70. Samsung Foundry SWOT Analysis

Table 71. Samsung Foundry Recent Developments

Table 72. UMC Basic Information

Table 73. UMC GaN Wafer Foundry Product Overview

Table 74. UMC GaN Wafer Foundry Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 75. UMC Business Overview

Table 76. UMC SWOT Analysis

Table 77. UMC Recent Developments

Table 78. SANAN Basic Information

Table 79. SANAN GaN Wafer Foundry Product Overview

Table 80. SANAN GaN Wafer Foundry Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 81. SANAN Business Overview

Table 82. SANAN Recent Developments

Table 83. SixPoint Materials Basic Information

Table 84. SixPoint Materials GaN Wafer Foundry Product Overview

Table 85. SixPoint Materials GaN Wafer Foundry Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 86. SixPoint Materials Business Overview

Table 87. SixPoint Materials Recent Developments

Table 88. GlobalFoundries Basic Information

Table 89. GlobalFoundries GaN Wafer Foundry Product Overview

Table 90. GlobalFoundries GaN Wafer Foundry Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 91. GlobalFoundries Business Overview

Table 92. GlobalFoundries Recent Developments

Table 93. SMIC Basic Information

Table 94. SMIC GaN Wafer Foundry Product Overview

Table 95. SMIC GaN Wafer Foundry Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 96. SMIC Business Overview

Table 97. SMIC Recent Developments

Table 98. PSMC Basic Information

Table 99. PSMC GaN Wafer Foundry Product Overview

Table 100. PSMC GaN Wafer Foundry Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 101. PSMC Business Overview

Table 102. PSMC Recent Developments

Table 103. VIS Basic Information

Table 104. VIS GaN Wafer Foundry Product Overview

Table 105. VIS GaN Wafer Foundry Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 106. VIS Business Overview

Table 107. VIS Recent Developments

Table 108. GCS Basic Information

Table 109. GCS GaN Wafer Foundry Product Overview

Table 110. GCS GaN Wafer Foundry Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 111. GCS Business Overview

Table 112. GCS Recent Developments

Table 113. Global GaN Wafer Foundry Sales Forecast by Region (2026-2033) & (K Units)

Table 114. Global GaN Wafer Foundry Market Size Forecast by Region (2026-2033) & (M USD)

Table 115. North America GaN Wafer Foundry Sales Forecast by Country (2026-2033) & (K Units)

Table 116. North America GaN Wafer Foundry Market Size Forecast by Country (2026-2033) & (M USD)

Table 117. Europe GaN Wafer Foundry Sales Forecast by Country (2026-2033) & (K Units)

Table 118. Europe GaN Wafer Foundry Market Size Forecast by Country (2026-2033) & (M USD)

Table 119. Asia Pacific GaN Wafer Foundry Sales Forecast by Region (2026-2033) & (K Units)

Table 120. Asia Pacific GaN Wafer Foundry Market Size Forecast by Region (2026-2033) & (M USD)

Table 121. South America GaN Wafer Foundry Sales Forecast by Country (2026-2033)



& (K Units)

Table 122. South America GaN Wafer Foundry Market Size Forecast by Country (2026-2033) & (M USD)

Table 123. Middle East and Africa GaN Wafer Foundry Sales Forecast by Country (2026-2033) & (Units)

Table 124. Middle East and Africa GaN Wafer Foundry Market Size Forecast by Country (2026-2033) & (M USD)

Table 125. Global GaN Wafer Foundry Sales Forecast by Type (2026-2033) & (K Units)

Table 126. Global GaN Wafer Foundry Market Size Forecast by Type (2026-2033) & (M USD)

Table 127. Global GaN Wafer Foundry Price Forecast by Type (2026-2033) & (USD/Unit)

Table 128. Global GaN Wafer Foundry Sales (K Units) Forecast by Application (2026-2033)

Table 129. Global GaN Wafer Foundry Market Size Forecast by Application (2026-2033) & (M USD)

List of Figures

Figure 1. Product Picture of GaN Wafer Foundry

Figure 2. Data Triangulation

Figure 3. Key Caveats

Figure 4. Global GaN Wafer Foundry Market Size (M USD), 2024-2033

Figure 5. Global GaN Wafer Foundry Market Size (M USD) (2020-2033)

Figure 6. Global GaN Wafer Foundry Sales (K Units) & (2020-2033)

Figure 7. Evaluation Matrix of Segment Market Development Potential (Type)

Figure 8. Evaluation Matrix of Segment Market Development Potential (Application)

Figure 9. Evaluation Matrix of Regional Market Development Potential

Figure 10. GaN Wafer Foundry Market Size by Country (M USD)

Figure 11. Company Assessment Quadrant

Figure 12. Global GaN Wafer Foundry Product Life Cycle

Figure 13. GaN Wafer Foundry Sales Share by Manufacturers in 2024

Figure 14. Global GaN Wafer Foundry Revenue Share by Manufacturers in 2024

Figure 15. GaN Wafer Foundry Market Share by Company Type (Tier 1, Tier 2 and Tier 3): 2024

Figure 16. Global Market GaN Wafer Foundry Average Price (USD/Unit) of Key Manufacturers in 2024

Figure 17. The Global 5 and 10 Largest Players: Market Share by GaN Wafer Foundry Revenue in 2024

Figure 18. Industry Chain Map of GaN Wafer Foundry

Figure 19. Global GaN Wafer Foundry Market PEST Analysis

- Figure 20. Global GaN Wafer Foundry Market Porter's Five Forces Analysis
- Figure 21. Global Merchandise Trade as a Percentage Of GDP
- Figure 22. US - Imports of Goods by Country
- Figure 23. China Exports by Country
- Figure 24. ESG Rating Distribution of The Leading Company Compared With Its Peers
- Figure 25. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 26. Global GaN Wafer Foundry Market Share by Type
- Figure 27. Sales Market Share of GaN Wafer Foundry by Type (2020-2025)
- Figure 28. Sales Market Share of GaN Wafer Foundry by Type in 2024
- Figure 29. Market Size Share of GaN Wafer Foundry by Type (2020-2025)
- Figure 30. Market Size Share of GaN Wafer Foundry by Type in 2024
- Figure 31. Evaluation Matrix of Segment Market Development Potential (Application)
- Figure 32. Global GaN Wafer Foundry Market Share by Application
- Figure 33. Global GaN Wafer Foundry Sales Market Share by Application (2020-2025)
- Figure 34. Global GaN Wafer Foundry Sales Market Share by Application in 2024
- Figure 35. Global GaN Wafer Foundry Market Share by Application (2020-2025)
- Figure 36. Global GaN Wafer Foundry Market Share by Application in 2024
- Figure 37. Global GaN Wafer Foundry Sales Growth Rate by Application (2020-2025)
- Figure 38. Global GaN Wafer Foundry Sales Market Share by Region (2020-2025)
- Figure 39. Global GaN Wafer Foundry Market Size Market Share by Region (2020-2025)
- Figure 40. North America GaN Wafer Foundry Sales and Growth Rate (2020-2025) & (K Units)
- Figure 41. North America GaN Wafer Foundry Sales and Growth Rate (2020-2025) & (K Units)
- Figure 42. North America GaN Wafer Foundry Sales Market Share by Country in 2024
- Figure 43. North America GaN Wafer Foundry Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 44. North America GaN Wafer Foundry Market Size Market Share by Country in 2024
- Figure 45. U.S. GaN Wafer Foundry Sales and Growth Rate (2020-2025) & (K Units)
- Figure 46. U.S. GaN Wafer Foundry Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 47. Canada GaN Wafer Foundry Sales (K Units) and Growth Rate (2020-2025)
- Figure 48. Canada GaN Wafer Foundry Market Size (M USD) and Growth Rate (2020-2025)
- Figure 49. Mexico GaN Wafer Foundry Sales (Units) and Growth Rate (2020-2025)
- Figure 50. Mexico GaN Wafer Foundry Market Size (Units) and Growth Rate (2020-2025)

Figure 51. Europe GaN Wafer Foundry Sales and Growth Rate (2020-2025) & (K Units)

Figure 52. Europe GaN Wafer Foundry Sales Market Share by Country in 2024

Figure 53. Europe GaN Wafer Foundry Market Size and Growth Rate (2020-2025) & (M USD)

Figure 54. Europe GaN Wafer Foundry Market Size Market Share by Country in 2024

Figure 55. Germany GaN Wafer Foundry Sales and Growth Rate (2020-2025) & (K Units)

Figure 56. Germany GaN Wafer Foundry Market Size and Growth Rate (2020-2025) & (M USD)

Figure 57. France GaN Wafer Foundry Sales and Growth Rate (2020-2025) & (K Units)

Figure 58. France GaN Wafer Foundry Market Size and Growth Rate (2020-2025) & (M USD)

Figure 59. U.K. GaN Wafer Foundry Sales and Growth Rate (2020-2025) & (K Units)

Figure 60. U.K. GaN Wafer Foundry Market Size and Growth Rate (2020-2025) & (M USD)

Figure 61. Italy GaN Wafer Foundry Sales and Growth Rate (2020-2025) & (K Units)

Figure 62. Italy GaN Wafer Foundry Market Size and Growth Rate (2020-2025) & (M USD)

Figure 63. Spain GaN Wafer Foundry Sales and Growth Rate (2020-2025) & (K Units)

Figure 64. Spain GaN Wafer Foundry Market Size and Growth Rate (2020-2025) & (M USD)

Figure 65. Asia Pacific GaN Wafer Foundry Sales and Growth Rate (K Units)

Figure 66. Asia Pacific GaN Wafer Foundry Sales Market Share by Region in 2024

Figure 67. Asia Pacific GaN Wafer Foundry Market Size Market Share by Region in 2024

Figure 68. China GaN Wafer Foundry Sales and Growth Rate (2020-2025) & (K Units)

Figure 69. China GaN Wafer Foundry Market Size and Growth Rate (2020-2025) & (M USD)

Figure 70. Japan GaN Wafer Foundry Sales and Growth Rate (2020-2025) & (K Units)

Figure 71. Japan GaN Wafer Foundry Market Size and Growth Rate (2020-2025) & (M USD)

Figure 72. South Korea GaN Wafer Foundry Sales and Growth Rate (2020-2025) & (K Units)

Figure 73. South Korea GaN Wafer Foundry Market Size and Growth Rate (2020-2025) & (M USD)

Figure 74. India GaN Wafer Foundry Sales and Growth Rate (2020-2025) & (K Units)

Figure 75. India GaN Wafer Foundry Market Size and Growth Rate (2020-2025) & (M USD)

Figure 76. Southeast Asia GaN Wafer Foundry Sales and Growth Rate (2020-2025) &

(K Units)

Figure 77. Southeast Asia GaN Wafer Foundry Market Size and Growth Rate (2020-2025) & (M USD)

Figure 78. South America GaN Wafer Foundry Sales and Growth Rate (K Units)

Figure 79. South America GaN Wafer Foundry Sales Market Share by Country in 2024

Figure 80. South America GaN Wafer Foundry Market Size and Growth Rate (M USD)

Figure 81. South America GaN Wafer Foundry Market Size Market Share by Country in 2024

Figure 82. Brazil GaN Wafer Foundry Sales and Growth Rate (2020-2025) & (K Units)

Figure 83. Brazil GaN Wafer Foundry Market Size and Growth Rate (2020-2025) & (M USD)

Figure 84. Argentina GaN Wafer Foundry Sales and Growth Rate (2020-2025) & (K Units)

Figure 85. Argentina GaN Wafer Foundry Market Size and Growth Rate (2020-2025) & (M USD)

Figure 86. Columbia GaN Wafer Foundry Sales and Growth Rate (2020-2025) & (K Units)

Figure 87. Columbia GaN Wafer Foundry Market Size and Growth Rate (2020-2025) & (M USD)

Figure 88. Middle East and Africa GaN Wafer Foundry Sales and Growth Rate (K Units)

Figure 89. Middle East and Africa GaN Wafer Foundry Sales Market Share by Region in 2024

Figure 90. Middle East and Africa GaN Wafer Foundry Market Size and Growth Rate (M USD)

Figure 91. Middle East and Africa GaN Wafer Foundry Market Size Market Share by Region in 2024

Figure 92. Saudi Arabia GaN Wafer Foundry Sales and Growth Rate (2020-2025) & (K Units)

Figure 93. Saudi Arabia GaN Wafer Foundry Market Size and Growth Rate (2020-2025) & (M USD)

Figure 94. UAE GaN Wafer Foundry Sales and Growth Rate (2020-2025) & (K Units)

Figure 95. UAE GaN Wafer Foundry Market Size and Growth Rate (2020-2025) & (M USD)

Figure 96. Egypt GaN Wafer Foundry Sales and Growth Rate (2020-2025) & (K Units)

Figure 97. Egypt GaN Wafer Foundry Market Size and Growth Rate (2020-2025) & (M USD)

Figure 98. Nigeria GaN Wafer Foundry Sales and Growth Rate (2020-2025) & (K Units)

Figure 99. Nigeria GaN Wafer Foundry Market Size and Growth Rate (2020-2025) & (M USD)

Figure 100. South Africa GaN Wafer Foundry Sales and Growth Rate (2020-2025) & (K Units)

Figure 101. South Africa GaN Wafer Foundry Market Size and Growth Rate (2020-2025) & (M USD)

Figure 102. Global GaN Wafer Foundry Production Market Share by Region (2020-2025)

Figure 103. North America GaN Wafer Foundry Production (K Units) Growth Rate (2020-2025)

Figure 104. Europe GaN Wafer Foundry Production (K Units) Growth Rate (2020-2025)

Figure 105. Japan GaN Wafer Foundry Production (K Units) Growth Rate (2020-2025)

Figure 106. China GaN Wafer Foundry Production (K Units) Growth Rate (2020-2025)

Figure 107. Global GaN Wafer Foundry Sales Forecast by Volume (2020-2033) & (K Units)

Figure 108. Global GaN Wafer Foundry Market Size Forecast by Value (2020-2033) & (M USD)

Figure 109. Global GaN Wafer Foundry Sales Market Share Forecast by Type (2026-2033)

Figure 110. Global GaN Wafer Foundry Market Share Forecast by Type (2026-2033)

Figure 111. Global GaN Wafer Foundry Sales Forecast by Application (2026-2033)

Figure 112. Global GaN Wafer Foundry Market Share Forecast by Application (2026-2033)

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