

# Global SiC Wafer Foundry Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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## Abstracts

According to our (Global Info Research) latest study, the global SiC Wafer Foundry market size was valued at US\$ 179 million in 2025 and is forecast to a readjusted size of US\$ 848 million by 2032 with a CAGR of 25.2% during review period.

Silicon carbide (SiC) is a promising material for high power and high efficiency power devices which promote an advanced, energy-saving society. Currently the SiC devices are widely used in electric vehicle (EV) applications, solar inverters, energy storage, industrial motor drives, and power supplies.

This report studies Silicon carbide wafer foundry services. Currently, the global silicon carbide wafer manufacturing is dominated by the IDM. SiC wafer foundry is in its infancy. Currently, only few companies can provide SiC foundry services, mainly located in China Taiwan, and China Mainland, including X-FAB, Episil Technology Inc., Sanan IC, HLMC, GTA Semiconductor Co., Ltd. and other companies.

Silicon Carbide (SiC) devices are widely used in automotive, EV charging, industrial motor/drive, PV, energy storage, wind power, UPS, data center & server and rail transport, etc.

In automotive, SiC power devices are mainly used in automotive main inverter, on-board chargers (OBC) and DC/DC converter. and the SiC power devices market was dominated by STMicroelectronics, Infineon, Wolfspeed, Rohm, Onsemi, BYD Semiconductor.

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and DC/DC Converter. and the SiC power devices market was dominated by STMicroelectronics, Infineon, Wolfspeed, Rohm, Onsemi, BYD Semiconductor.

Automotive is the largest market of silicon carbide (SiC) power devices, driven by demand from China, UAS, EU, and Japan. China is one of the world's largest automotive markets, and its growth potential remains high. In particular, high rates of growth for electric-powered vehicles make China one of the largest markets for electromobility.

Global new energy vehicles continue to grow rapidly. In 2023, the total sales of new energy vehicles in the world reached 14.65 million, a simultaneous increase of 35.4%. Among them, China's new energy vehicle sales reached 9.495 million, accounting for 64.8% of global sales. The production and sales of new energy vehicles have ranked first in the world for eight consecutive years. In 2023, the sales of new energy vehicles in the United States and Europe were 2.94 million and 1.46 million respectively, with year-on-year growth rates of 18.3% and 48.0% respectively.

This report is a detailed and comprehensive analysis for global SiC Wafer Foundry 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 SiC Wafer Foundry market size and forecasts, in consumption value (\$ Million), sales quantity (K Pcs), and average selling prices (US\$/Pcs), 2021-2032

Global SiC Wafer Foundry 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 SiC Wafer Foundry 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 SiC Wafer Foundry 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 SiC Wafer Foundry

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 SiC Wafer Foundry 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 X-FAB, Epasil Technology Inc., Sanan IC, HLMC, GTA Semiconductor Co., Ltd., Beijing Yandong Microelectronics, United Nova Technology, Global Power Technology, Wuhu Tus-Semiconductor, AscenPower, etc.

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

### **Market Segmentation**

SiC Wafer Foundry 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

6 Inch SiC Wafer Foundry

8 Inch SiC Wafer Foundry

#### Market segment by Application

SiC MOSFET

SiC Diode

## Major players covered

X-FAB

Episil Technology Inc.

Sanan IC

HLMC

GTA Semiconductor Co., Ltd.

Beijing Yandong Microelectronics

United Nova Technology

Global Power Technology

Wuhu Tus-Semiconductor

AscenPower

Clas-SiC Wafer Fab

SiCamore Semi

DB HiTek

Nanjing Quenergy Semiconductor

## 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 SiC Wafer Foundry product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of SiC Wafer Foundry, with price, sales quantity, revenue, and global market share of SiC Wafer Foundry from 2021 to 2026.

Chapter 3, the SiC Wafer Foundry competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the SiC Wafer Foundry 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 SiC Wafer Foundry 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 SiC Wafer Foundry.

Chapter 14 and 15, to describe SiC Wafer Foundry 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 SiC Wafer Foundry Consumption Value by Type: 2021 Versus 2025 Versus 2032
  - 1.3.2 6 Inch SiC Wafer Foundry
  - 1.3.3 8 Inch SiC Wafer Foundry
- 1.4 Market Analysis by Application
  - 1.4.1 Overview: Global SiC Wafer Foundry Consumption Value by Application: 2021 Versus 2025 Versus 2032
  - 1.4.2 SiC MOSFET
  - 1.4.3 SiC Diode
- 1.5 Global SiC Wafer Foundry Market Size & Forecast
  - 1.5.1 Global SiC Wafer Foundry Consumption Value (2021 & 2025 & 2032)
  - 1.5.2 Global SiC Wafer Foundry Sales Quantity (2021-2032)
  - 1.5.3 Global SiC Wafer Foundry Average Price (2021-2032)

### 2 MANUFACTURERS PROFILES

- 2.1 X-FAB
  - 2.1.1 X-FAB Details
  - 2.1.2 X-FAB Major Business
  - 2.1.3 X-FAB SiC Wafer Foundry Product and Services
  - 2.1.4 X-FAB SiC Wafer Foundry Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
  - 2.1.5 X-FAB Recent Developments/Updates
- 2.2 Episil Technology Inc.
  - 2.2.1 Episil Technology Inc. Details
  - 2.2.2 Episil Technology Inc. Major Business
  - 2.2.3 Episil Technology Inc. SiC Wafer Foundry Product and Services
  - 2.2.4 Episil Technology Inc. SiC Wafer Foundry Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
  - 2.2.5 Episil Technology Inc. Recent Developments/Updates
- 2.3 Sanan IC
  - 2.3.1 Sanan IC Details

- 2.3.2 Sanan IC Major Business
- 2.3.3 Sanan IC SiC Wafer Foundry Product and Services
- 2.3.4 Sanan IC SiC Wafer Foundry Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
- 2.3.5 Sanan IC Recent Developments/Updates
- 2.4 HLMC
  - 2.4.1 HLMC Details
  - 2.4.2 HLMC Major Business
  - 2.4.3 HLMC SiC Wafer Foundry Product and Services
  - 2.4.4 HLMC SiC Wafer Foundry Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
  - 2.4.5 HLMC Recent Developments/Updates
- 2.5 GTA Semiconductor Co., Ltd.
  - 2.5.1 GTA Semiconductor Co., Ltd. Details
  - 2.5.2 GTA Semiconductor Co., Ltd. Major Business
  - 2.5.3 GTA Semiconductor Co., Ltd. SiC Wafer Foundry Product and Services
  - 2.5.4 GTA Semiconductor Co., Ltd. SiC Wafer Foundry Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
  - 2.5.5 GTA Semiconductor Co., Ltd. Recent Developments/Updates
- 2.6 Beijing Yandong Microelectronics
  - 2.6.1 Beijing Yandong Microelectronics Details
  - 2.6.2 Beijing Yandong Microelectronics Major Business
  - 2.6.3 Beijing Yandong Microelectronics SiC Wafer Foundry Product and Services
  - 2.6.4 Beijing Yandong Microelectronics SiC Wafer Foundry Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
  - 2.6.5 Beijing Yandong Microelectronics Recent Developments/Updates
- 2.7 United Nova Technology
  - 2.7.1 United Nova Technology Details
  - 2.7.2 United Nova Technology Major Business
  - 2.7.3 United Nova Technology SiC Wafer Foundry Product and Services
  - 2.7.4 United Nova Technology SiC Wafer Foundry Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
  - 2.7.5 United Nova Technology Recent Developments/Updates
- 2.8 Global Power Technology
  - 2.8.1 Global Power Technology Details
  - 2.8.2 Global Power Technology Major Business
  - 2.8.3 Global Power Technology SiC Wafer Foundry Product and Services
  - 2.8.4 Global Power Technology SiC Wafer Foundry Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

- 2.8.5 Global Power Technology Recent Developments/Updates
- 2.9 Wuhu Tus-Semiconductor
  - 2.9.1 Wuhu Tus-Semiconductor Details
  - 2.9.2 Wuhu Tus-Semiconductor Major Business
  - 2.9.3 Wuhu Tus-Semiconductor SiC Wafer Foundry Product and Services
  - 2.9.4 Wuhu Tus-Semiconductor SiC Wafer Foundry Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
  - 2.9.5 Wuhu Tus-Semiconductor Recent Developments/Updates
- 2.10 AscenPower
  - 2.10.1 AscenPower Details
  - 2.10.2 AscenPower Major Business
  - 2.10.3 AscenPower SiC Wafer Foundry Product and Services
  - 2.10.4 AscenPower SiC Wafer Foundry Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
  - 2.10.5 AscenPower Recent Developments/Updates
- 2.11 Clas-SiC Wafer Fab
  - 2.11.1 Clas-SiC Wafer Fab Details
  - 2.11.2 Clas-SiC Wafer Fab Major Business
  - 2.11.3 Clas-SiC Wafer Fab SiC Wafer Foundry Product and Services
  - 2.11.4 Clas-SiC Wafer Fab SiC Wafer Foundry Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
  - 2.11.5 Clas-SiC Wafer Fab Recent Developments/Updates
- 2.12 SiCamore Semi
  - 2.12.1 SiCamore Semi Details
  - 2.12.2 SiCamore Semi Major Business
  - 2.12.3 SiCamore Semi SiC Wafer Foundry Product and Services
  - 2.12.4 SiCamore Semi SiC Wafer Foundry Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
  - 2.12.5 SiCamore Semi Recent Developments/Updates
- 2.13 DB HiTek
  - 2.13.1 DB HiTek Details
  - 2.13.2 DB HiTek Major Business
  - 2.13.3 DB HiTek SiC Wafer Foundry Product and Services
  - 2.13.4 DB HiTek SiC Wafer Foundry Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
  - 2.13.5 DB HiTek Recent Developments/Updates
- 2.14 Nanjing Quenergy Semiconductor
  - 2.14.1 Nanjing Quenergy Semiconductor Details
  - 2.14.2 Nanjing Quenergy Semiconductor Major Business

- 2.14.3 Nanjing Quenergy Semiconductor SiC Wafer Foundry Product and Services
- 2.14.4 Nanjing Quenergy Semiconductor SiC Wafer Foundry Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
- 2.14.5 Nanjing Quenergy Semiconductor Recent Developments/Updates

### **3 COMPETITIVE ENVIRONMENT: SiC WAFER FOUNDRY BY MANUFACTURER**

- 3.1 Global SiC Wafer Foundry Sales Quantity by Manufacturer (2021-2026)
- 3.2 Global SiC Wafer Foundry Revenue by Manufacturer (2021-2026)
- 3.3 Global SiC Wafer Foundry Average Price by Manufacturer (2021-2026)
- 3.4 Market Share Analysis (2025)
  - 3.4.1 Producer Shipments of SiC Wafer Foundry by Manufacturer Revenue (\$MM) and Market Share (%): 2025
  - 3.4.2 Top 3 SiC Wafer Foundry Manufacturer Market Share in 2025
  - 3.4.3 Top 6 SiC Wafer Foundry Manufacturer Market Share in 2025
- 3.5 SiC Wafer Foundry Market: Overall Company Footprint Analysis
  - 3.5.1 SiC Wafer Foundry Market: Region Footprint
  - 3.5.2 SiC Wafer Foundry Market: Company Product Type Footprint
  - 3.5.3 SiC Wafer Foundry 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 SiC Wafer Foundry Market Size by Region
  - 4.1.1 Global SiC Wafer Foundry Sales Quantity by Region (2021-2032)
  - 4.1.2 Global SiC Wafer Foundry Consumption Value by Region (2021-2032)
  - 4.1.3 Global SiC Wafer Foundry Average Price by Region (2021-2032)
- 4.2 North America SiC Wafer Foundry Consumption Value (2021-2032)
- 4.3 Europe SiC Wafer Foundry Consumption Value (2021-2032)
- 4.4 Asia-Pacific SiC Wafer Foundry Consumption Value (2021-2032)
- 4.5 South America SiC Wafer Foundry Consumption Value (2021-2032)
- 4.6 Middle East & Africa SiC Wafer Foundry Consumption Value (2021-2032)

### **5 MARKET SEGMENT BY TYPE**

- 5.1 Global SiC Wafer Foundry Sales Quantity by Type (2021-2032)
- 5.2 Global SiC Wafer Foundry Consumption Value by Type (2021-2032)
- 5.3 Global SiC Wafer Foundry Average Price by Type (2021-2032)

## **6 MARKET SEGMENT BY APPLICATION**

- 6.1 Global SiC Wafer Foundry Sales Quantity by Application (2021-2032)
- 6.2 Global SiC Wafer Foundry Consumption Value by Application (2021-2032)
- 6.3 Global SiC Wafer Foundry Average Price by Application (2021-2032)

## **7 NORTH AMERICA**

- 7.1 North America SiC Wafer Foundry Sales Quantity by Type (2021-2032)
- 7.2 North America SiC Wafer Foundry Sales Quantity by Application (2021-2032)
- 7.3 North America SiC Wafer Foundry Market Size by Country
  - 7.3.1 North America SiC Wafer Foundry Sales Quantity by Country (2021-2032)
  - 7.3.2 North America SiC Wafer Foundry 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 SiC Wafer Foundry Sales Quantity by Type (2021-2032)
- 8.2 Europe SiC Wafer Foundry Sales Quantity by Application (2021-2032)
- 8.3 Europe SiC Wafer Foundry Market Size by Country
  - 8.3.1 Europe SiC Wafer Foundry Sales Quantity by Country (2021-2032)
  - 8.3.2 Europe SiC Wafer Foundry 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 SiC Wafer Foundry Sales Quantity by Type (2021-2032)
- 9.2 Asia-Pacific SiC Wafer Foundry Sales Quantity by Application (2021-2032)
- 9.3 Asia-Pacific SiC Wafer Foundry Market Size by Region
  - 9.3.1 Asia-Pacific SiC Wafer Foundry Sales Quantity by Region (2021-2032)
  - 9.3.2 Asia-Pacific SiC Wafer Foundry 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 SiC Wafer Foundry Sales Quantity by Type (2021-2032)
- 10.2 South America SiC Wafer Foundry Sales Quantity by Application (2021-2032)
- 10.3 South America SiC Wafer Foundry Market Size by Country
  - 10.3.1 South America SiC Wafer Foundry Sales Quantity by Country (2021-2032)
  - 10.3.2 South America SiC Wafer Foundry 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 SiC Wafer Foundry Sales Quantity by Type (2021-2032)
- 11.2 Middle East & Africa SiC Wafer Foundry Sales Quantity by Application (2021-2032)
- 11.3 Middle East & Africa SiC Wafer Foundry Market Size by Country
  - 11.3.1 Middle East & Africa SiC Wafer Foundry Sales Quantity by Country (2021-2032)
  - 11.3.2 Middle East & Africa SiC Wafer Foundry 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 SiC Wafer Foundry Market Drivers
- 12.2 SiC Wafer Foundry Market Restraints
- 12.3 SiC Wafer Foundry 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 SiC Wafer Foundry and Key Manufacturers

13.2 Manufacturing Costs Percentage of SiC Wafer Foundry

13.3 SiC Wafer Foundry 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 SiC Wafer Foundry Typical Distributors

14.3 SiC Wafer Foundry 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 SiC Wafer Foundry Consumption Value by Type, (USD Million), 2021 & 2025 & 2032

Table 2. Global SiC Wafer Foundry Consumption Value by Application, (USD Million), 2021 & 2025 & 2032

Table 3. X-FAB Basic Information, Manufacturing Base and Competitors

Table 4. X-FAB Major Business

Table 5. X-FAB SiC Wafer Foundry Product and Services

Table 6. X-FAB SiC Wafer Foundry Sales Quantity (K Pcs), Average Price (US\$/Pcs), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 7. X-FAB Recent Developments/Updates

Table 8. Episil Technology Inc. Basic Information, Manufacturing Base and Competitors

Table 9. Episil Technology Inc. Major Business

Table 10. Episil Technology Inc. SiC Wafer Foundry Product and Services

Table 11. Episil Technology Inc. SiC Wafer Foundry Sales Quantity (K Pcs), Average Price (US\$/Pcs), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 12. Episil Technology Inc. Recent Developments/Updates

Table 13. Sanan IC Basic Information, Manufacturing Base and Competitors

Table 14. Sanan IC Major Business

Table 15. Sanan IC SiC Wafer Foundry Product and Services

Table 16. Sanan IC SiC Wafer Foundry Sales Quantity (K Pcs), Average Price (US\$/Pcs), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 17. Sanan IC Recent Developments/Updates

Table 18. HLMC Basic Information, Manufacturing Base and Competitors

Table 19. HLMC Major Business

Table 20. HLMC SiC Wafer Foundry Product and Services

Table 21. HLMC SiC Wafer Foundry Sales Quantity (K Pcs), Average Price (US\$/Pcs), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 22. HLMC Recent Developments/Updates

Table 23. GTA Semiconductor Co., Ltd. Basic Information, Manufacturing Base and Competitors

Table 24. GTA Semiconductor Co., Ltd. Major Business

Table 25. GTA Semiconductor Co., Ltd. SiC Wafer Foundry Product and Services

Table 26. GTA Semiconductor Co., Ltd. SiC Wafer Foundry Sales Quantity (K Pcs), Average Price (US\$/Pcs), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 27. GTA Semiconductor Co., Ltd. Recent Developments/Updates

Table 28. Beijing Yandong Microelectronics Basic Information, Manufacturing Base and Competitors

Table 29. Beijing Yandong Microelectronics Major Business

Table 30. Beijing Yandong Microelectronics SiC Wafer Foundry Product and Services

Table 31. Beijing Yandong Microelectronics SiC Wafer Foundry Sales Quantity (K Pcs), Average Price (US\$/Pcs), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 32. Beijing Yandong Microelectronics Recent Developments/Updates

Table 33. United Nova Technology Basic Information, Manufacturing Base and Competitors

Table 34. United Nova Technology Major Business

Table 35. United Nova Technology SiC Wafer Foundry Product and Services

Table 36. United Nova Technology SiC Wafer Foundry Sales Quantity (K Pcs), Average Price (US\$/Pcs), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 37. United Nova Technology Recent Developments/Updates

Table 38. Global Power Technology Basic Information, Manufacturing Base and Competitors

Table 39. Global Power Technology Major Business

Table 40. Global Power Technology SiC Wafer Foundry Product and Services

Table 41. Global Power Technology SiC Wafer Foundry Sales Quantity (K Pcs), Average Price (US\$/Pcs), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 42. Global Power Technology Recent Developments/Updates

Table 43. Wuhu Tus-Semiconductor Basic Information, Manufacturing Base and Competitors

Table 44. Wuhu Tus-Semiconductor Major Business

Table 45. Wuhu Tus-Semiconductor SiC Wafer Foundry Product and Services

Table 46. Wuhu Tus-Semiconductor SiC Wafer Foundry Sales Quantity (K Pcs), Average Price (US\$/Pcs), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 47. Wuhu Tus-Semiconductor Recent Developments/Updates

Table 48. AscenPower Basic Information, Manufacturing Base and Competitors

Table 49. AscenPower Major Business

Table 50. AscenPower SiC Wafer Foundry Product and Services

Table 51. AscenPower SiC Wafer Foundry Sales Quantity (K Pcs), Average Price (US\$/Pcs), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 52. AscenPower Recent Developments/Updates

Table 53. Clas-SiC Wafer Fab Basic Information, Manufacturing Base and Competitors

- Table 54. Clas-SiC Wafer Fab Major Business
- Table 55. Clas-SiC Wafer Fab SiC Wafer Foundry Product and Services
- Table 56. Clas-SiC Wafer Fab SiC Wafer Foundry Sales Quantity (K Pcs), Average Price (US\$/Pcs), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 57. Clas-SiC Wafer Fab Recent Developments/Updates
- Table 58. SiCamore Semi Basic Information, Manufacturing Base and Competitors
- Table 59. SiCamore Semi Major Business
- Table 60. SiCamore Semi SiC Wafer Foundry Product and Services
- Table 61. SiCamore Semi SiC Wafer Foundry Sales Quantity (K Pcs), Average Price (US\$/Pcs), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 62. SiCamore Semi Recent Developments/Updates
- Table 63. DB HiTek Basic Information, Manufacturing Base and Competitors
- Table 64. DB HiTek Major Business
- Table 65. DB HiTek SiC Wafer Foundry Product and Services
- Table 66. DB HiTek SiC Wafer Foundry Sales Quantity (K Pcs), Average Price (US\$/Pcs), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 67. DB HiTek Recent Developments/Updates
- Table 68. Nanjing Quenergy Semiconductor Basic Information, Manufacturing Base and Competitors
- Table 69. Nanjing Quenergy Semiconductor Major Business
- Table 70. Nanjing Quenergy Semiconductor SiC Wafer Foundry Product and Services
- Table 71. Nanjing Quenergy Semiconductor SiC Wafer Foundry Sales Quantity (K Pcs), Average Price (US\$/Pcs), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 72. Nanjing Quenergy Semiconductor Recent Developments/Updates
- Table 73. Global SiC Wafer Foundry Sales Quantity by Manufacturer (2021-2026) & (K Pcs)
- Table 74. Global SiC Wafer Foundry Revenue by Manufacturer (2021-2026) & (USD Million)
- Table 75. Global SiC Wafer Foundry Average Price by Manufacturer (2021-2026) & (US\$/Pcs)
- Table 76. Market Position of Manufacturers in SiC Wafer Foundry, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2025
- Table 77. Head Office and SiC Wafer Foundry Production Site of Key Manufacturer
- Table 78. SiC Wafer Foundry Market: Company Product Type Footprint
- Table 79. SiC Wafer Foundry Market: Company Product Application Footprint
- Table 80. SiC Wafer Foundry New Market Entrants and Barriers to Market Entry
- Table 81. SiC Wafer Foundry Mergers, Acquisition, Agreements, and Collaborations
- Table 82. Global SiC Wafer Foundry Consumption Value by Region (2021-2025-2032)

& (USD Million) & CAGR

Table 83. Global SiC Wafer Foundry Sales Quantity by Region (2021-2026) & (K Pcs)

Table 84. Global SiC Wafer Foundry Sales Quantity by Region (2027-2032) & (K Pcs)

Table 85. Global SiC Wafer Foundry Consumption Value by Region (2021-2026) & (USD Million)

Table 86. Global SiC Wafer Foundry Consumption Value by Region (2027-2032) & (USD Million)

Table 87. Global SiC Wafer Foundry Average Price by Region (2021-2026) & (US\$/Pcs)

Table 88. Global SiC Wafer Foundry Average Price by Region (2027-2032) & (US\$/Pcs)

Table 89. Global SiC Wafer Foundry Sales Quantity by Type (2021-2026) & (K Pcs)

Table 90. Global SiC Wafer Foundry Sales Quantity by Type (2027-2032) & (K Pcs)

Table 91. Global SiC Wafer Foundry Consumption Value by Type (2021-2026) & (USD Million)

Table 92. Global SiC Wafer Foundry Consumption Value by Type (2027-2032) & (USD Million)

Table 93. Global SiC Wafer Foundry Average Price by Type (2021-2026) & (US\$/Pcs)

Table 94. Global SiC Wafer Foundry Average Price by Type (2027-2032) & (US\$/Pcs)

Table 95. Global SiC Wafer Foundry Sales Quantity by Application (2021-2026) & (K Pcs)

Table 96. Global SiC Wafer Foundry Sales Quantity by Application (2027-2032) & (K Pcs)

Table 97. Global SiC Wafer Foundry Consumption Value by Application (2021-2026) & (USD Million)

Table 98. Global SiC Wafer Foundry Consumption Value by Application (2027-2032) & (USD Million)

Table 99. Global SiC Wafer Foundry Average Price by Application (2021-2026) & (US\$/Pcs)

Table 100. Global SiC Wafer Foundry Average Price by Application (2027-2032) & (US\$/Pcs)

Table 101. North America SiC Wafer Foundry Sales Quantity by Type (2021-2026) & (K Pcs)

Table 102. North America SiC Wafer Foundry Sales Quantity by Type (2027-2032) & (K Pcs)

Table 103. North America SiC Wafer Foundry Sales Quantity by Application (2021-2026) & (K Pcs)

Table 104. North America SiC Wafer Foundry Sales Quantity by Application (2027-2032) & (K Pcs)

Table 105. North America SiC Wafer Foundry Sales Quantity by Country (2021-2026) & (K Pcs)

Table 106. North America SiC Wafer Foundry Sales Quantity by Country (2027-2032) & (K Pcs)

Table 107. North America SiC Wafer Foundry Consumption Value by Country (2021-2026) & (USD Million)

Table 108. North America SiC Wafer Foundry Consumption Value by Country (2027-2032) & (USD Million)

Table 109. Europe SiC Wafer Foundry Sales Quantity by Type (2021-2026) & (K Pcs)

Table 110. Europe SiC Wafer Foundry Sales Quantity by Type (2027-2032) & (K Pcs)

Table 111. Europe SiC Wafer Foundry Sales Quantity by Application (2021-2026) & (K Pcs)

Table 112. Europe SiC Wafer Foundry Sales Quantity by Application (2027-2032) & (K Pcs)

Table 113. Europe SiC Wafer Foundry Sales Quantity by Country (2021-2026) & (K Pcs)

Table 114. Europe SiC Wafer Foundry Sales Quantity by Country (2027-2032) & (K Pcs)

Table 115. Europe SiC Wafer Foundry Consumption Value by Country (2021-2026) & (USD Million)

Table 116. Europe SiC Wafer Foundry Consumption Value by Country (2027-2032) & (USD Million)

Table 117. Asia-Pacific SiC Wafer Foundry Sales Quantity by Type (2021-2026) & (K Pcs)

Table 118. Asia-Pacific SiC Wafer Foundry Sales Quantity by Type (2027-2032) & (K Pcs)

Table 119. Asia-Pacific SiC Wafer Foundry Sales Quantity by Application (2021-2026) & (K Pcs)

Table 120. Asia-Pacific SiC Wafer Foundry Sales Quantity by Application (2027-2032) & (K Pcs)

Table 121. Asia-Pacific SiC Wafer Foundry Sales Quantity by Region (2021-2026) & (K Pcs)

Table 122. Asia-Pacific SiC Wafer Foundry Sales Quantity by Region (2027-2032) & (K Pcs)

Table 123. Asia-Pacific SiC Wafer Foundry Consumption Value by Region (2021-2026) & (USD Million)

Table 124. Asia-Pacific SiC Wafer Foundry Consumption Value by Region (2027-2032) & (USD Million)

Table 125. South America SiC Wafer Foundry Sales Quantity by Type (2021-2026) & (K Pcs)

Table 126. South America SiC Wafer Foundry Sales Quantity by Type (2027-2032) & (K Pcs)

Pcs)

Table 127. South America SiC Wafer Foundry Sales Quantity by Application (2021-2026) & (K Pcs)

Table 128. South America SiC Wafer Foundry Sales Quantity by Application (2027-2032) & (K Pcs)

Table 129. South America SiC Wafer Foundry Sales Quantity by Country (2021-2026) & (K Pcs)

Table 130. South America SiC Wafer Foundry Sales Quantity by Country (2027-2032) & (K Pcs)

Table 131. South America SiC Wafer Foundry Consumption Value by Country (2021-2026) & (USD Million)

Table 132. South America SiC Wafer Foundry Consumption Value by Country (2027-2032) & (USD Million)

Table 133. Middle East & Africa SiC Wafer Foundry Sales Quantity by Type (2021-2026) & (K Pcs)

Table 134. Middle East & Africa SiC Wafer Foundry Sales Quantity by Type (2027-2032) & (K Pcs)

Table 135. Middle East & Africa SiC Wafer Foundry Sales Quantity by Application (2021-2026) & (K Pcs)

Table 136. Middle East & Africa SiC Wafer Foundry Sales Quantity by Application (2027-2032) & (K Pcs)

Table 137. Middle East & Africa SiC Wafer Foundry Sales Quantity by Country (2021-2026) & (K Pcs)

Table 138. Middle East & Africa SiC Wafer Foundry Sales Quantity by Country (2027-2032) & (K Pcs)

Table 139. Middle East & Africa SiC Wafer Foundry Consumption Value by Country (2021-2026) & (USD Million)

Table 140. Middle East & Africa SiC Wafer Foundry Consumption Value by Country (2027-2032) & (USD Million)

Table 141. SiC Wafer Foundry Raw Material

Table 142. Key Manufacturers of SiC Wafer Foundry Raw Materials

Table 143. SiC Wafer Foundry Typical Distributors

Table 144. SiC Wafer Foundry Typical Customers

## List Of Figures

### LIST OF FIGURES

Figure 1. SiC Wafer Foundry Picture

Figure 2. Global SiC Wafer Foundry Revenue by Type, (USD Million), 2021 & 2025 & 2032

Figure 3. Global SiC Wafer Foundry Revenue Market Share by Type in 2025

Figure 4. 6 Inch SiC Wafer Foundry Examples

Figure 5. 8 Inch SiC Wafer Foundry Examples

Figure 6. Global SiC Wafer Foundry Consumption Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 7. Global SiC Wafer Foundry Revenue Market Share by Application in 2025

Figure 8. SiC MOSFET Examples

Figure 9. SiC Diode Examples

Figure 10. Global SiC Wafer Foundry Consumption Value, (USD Million): 2021 & 2025 & 2032

Figure 11. Global SiC Wafer Foundry Consumption Value and Forecast (2021-2032) & (USD Million)

Figure 12. Global SiC Wafer Foundry Sales Quantity (2021-2032) & (K Pcs)

Figure 13. Global SiC Wafer Foundry Price (2021-2032) & (US\$/Pcs)

Figure 14. Global SiC Wafer Foundry Sales Quantity Market Share by Manufacturer in 2025

Figure 15. Global SiC Wafer Foundry Revenue Market Share by Manufacturer in 2025

Figure 16. Producer Shipments of SiC Wafer Foundry by Manufacturer Sales (\$MM) and Market Share (%): 2025

Figure 17. Top 3 SiC Wafer Foundry Manufacturer (Revenue) Market Share in 2025

Figure 18. Top 6 SiC Wafer Foundry Manufacturer (Revenue) Market Share in 2025

Figure 19. Global SiC Wafer Foundry Sales Quantity Market Share by Region (2021-2032)

Figure 20. Global SiC Wafer Foundry Consumption Value Market Share by Region (2021-2032)

Figure 21. North America SiC Wafer Foundry Consumption Value (2021-2032) & (USD Million)

Figure 22. Europe SiC Wafer Foundry Consumption Value (2021-2032) & (USD Million)

Figure 23. Asia-Pacific SiC Wafer Foundry Consumption Value (2021-2032) & (USD Million)

Figure 24. South America SiC Wafer Foundry Consumption Value (2021-2032) & (USD Million)

Figure 25. Middle East & Africa SiC Wafer Foundry Consumption Value (2021-2032) & (USD Million)

Figure 26. Global SiC Wafer Foundry Sales Quantity Market Share by Type (2021-2032)

Figure 27. Global SiC Wafer Foundry Consumption Value Market Share by Type (2021-2032)

Figure 28. Global SiC Wafer Foundry Average Price by Type (2021-2032) & (US\$/Pcs)

Figure 29. Global SiC Wafer Foundry Sales Quantity Market Share by Application (2021-2032)

Figure 30. Global SiC Wafer Foundry Revenue Market Share by Application (2021-2032)

Figure 31. Global SiC Wafer Foundry Average Price by Application (2021-2032) & (US\$/Pcs)

Figure 32. North America SiC Wafer Foundry Sales Quantity Market Share by Type (2021-2032)

Figure 33. North America SiC Wafer Foundry Sales Quantity Market Share by Application (2021-2032)

Figure 34. North America SiC Wafer Foundry Sales Quantity Market Share by Country (2021-2032)

Figure 35. North America SiC Wafer Foundry Consumption Value Market Share by Country (2021-2032)

Figure 36. United States SiC Wafer Foundry Consumption Value (2021-2032) & (USD Million)

Figure 37. Canada SiC Wafer Foundry Consumption Value (2021-2032) & (USD Million)

Figure 38. Mexico SiC Wafer Foundry Consumption Value (2021-2032) & (USD Million)

Figure 39. Europe SiC Wafer Foundry Sales Quantity Market Share by Type (2021-2032)

Figure 40. Europe SiC Wafer Foundry Sales Quantity Market Share by Application (2021-2032)

Figure 41. Europe SiC Wafer Foundry Sales Quantity Market Share by Country (2021-2032)

Figure 42. Europe SiC Wafer Foundry Consumption Value Market Share by Country (2021-2032)

Figure 43. Germany SiC Wafer Foundry Consumption Value (2021-2032) & (USD Million)

Figure 44. France SiC Wafer Foundry Consumption Value (2021-2032) & (USD Million)

Figure 45. United Kingdom SiC Wafer Foundry Consumption Value (2021-2032) & (USD Million)

Figure 46. Russia SiC Wafer Foundry Consumption Value (2021-2032) & (USD Million)

Figure 47. Italy SiC Wafer Foundry Consumption Value (2021-2032) & (USD Million)

Figure 48. Asia-Pacific SiC Wafer Foundry Sales Quantity Market Share by Type (2021-2032)

Figure 49. Asia-Pacific SiC Wafer Foundry Sales Quantity Market Share by Application (2021-2032)

Figure 50. Asia-Pacific SiC Wafer Foundry Sales Quantity Market Share by Region (2021-2032)

Figure 51. Asia-Pacific SiC Wafer Foundry Consumption Value Market Share by Region (2021-2032)

Figure 52. China SiC Wafer Foundry Consumption Value (2021-2032) & (USD Million)

Figure 53. Japan SiC Wafer Foundry Consumption Value (2021-2032) & (USD Million)

Figure 54. South Korea SiC Wafer Foundry Consumption Value (2021-2032) & (USD Million)

Figure 55. India SiC Wafer Foundry Consumption Value (2021-2032) & (USD Million)

Figure 56. Southeast Asia SiC Wafer Foundry Consumption Value (2021-2032) & (USD Million)

Figure 57. Australia SiC Wafer Foundry Consumption Value (2021-2032) & (USD Million)

Figure 58. South America SiC Wafer Foundry Sales Quantity Market Share by Type (2021-2032)

Figure 59. South America SiC Wafer Foundry Sales Quantity Market Share by Application (2021-2032)

Figure 60. South America SiC Wafer Foundry Sales Quantity Market Share by Country (2021-2032)

Figure 61. South America SiC Wafer Foundry Consumption Value Market Share by Country (2021-2032)

Figure 62. Brazil SiC Wafer Foundry Consumption Value (2021-2032) & (USD Million)

Figure 63. Argentina SiC Wafer Foundry Consumption Value (2021-2032) & (USD Million)

Figure 64. Middle East & Africa SiC Wafer Foundry Sales Quantity Market Share by Type (2021-2032)

Figure 65. Middle East & Africa SiC Wafer Foundry Sales Quantity Market Share by Application (2021-2032)

Figure 66. Middle East & Africa SiC Wafer Foundry Sales Quantity Market Share by Country (2021-2032)

Figure 67. Middle East & Africa SiC Wafer Foundry Consumption Value Market Share by Country (2021-2032)

Figure 68. Turkey SiC Wafer Foundry Consumption Value (2021-2032) & (USD Million)

Figure 69. Egypt SiC Wafer Foundry Consumption Value (2021-2032) & (USD Million)

Figure 70. Saudi Arabia SiC Wafer Foundry Consumption Value (2021-2032) & (USD Million)

Figure 71. South Africa SiC Wafer Foundry Consumption Value (2021-2032) & (USD Million)

Figure 72. SiC Wafer Foundry Market Drivers

Figure 73. SiC Wafer Foundry Market Restraints

Figure 74. SiC Wafer Foundry Market Trends

Figure 75. Porters Five Forces Analysis

Figure 76. Manufacturing Cost Structure Analysis of SiC Wafer Foundry in 2025

Figure 77. Manufacturing Process Analysis of SiC Wafer Foundry

Figure 78. SiC Wafer Foundry Industrial Chain

Figure 79. Sales Channel: Direct to End-User vs Distributors

Figure 80. Direct Channel Pros & Cons

Figure 81. Indirect Channel Pros & Cons

Figure 82. Methodology

Figure 83. Research Process and Data Source

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