

Global 4-Inch SiC Substrate Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

<https://marketpublishers.com/r/G03D925E337EEN.html>

Date: May 2026

Pages: 123

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

ID: G03D925E337EEN

Abstracts

According to our (Global Info Research) latest study, the global 4-Inch SiC Substrate market size was valued at US\$ 325 million in 2025 and is forecast to a readjusted size of US\$ 552 million by 2032 with a CAGR of 7.9% during review period.

A 4-inch SiC substrate is a 4-inch-diameter single-crystal silicon carbide wafer, typically based on polytypes such as 4H-SiC, that serves as the foundational material for epitaxy and the fabrication of SiC power devices, RF devices, and related semiconductor components. Compared with conventional silicon substrates, it is designed to address key bottlenecks in high-voltage, high-frequency, and high-temperature applications, including excessive switching loss, demanding thermal management, larger system size, and limited conversion efficiency. For this reason, 4-inch SiC substrates have been used in power electronics for electric vehicles, charging infrastructure, solar inverters, energy storage systems, motor drives, and selected RF applications. Its upstream supply chain generally covers high-purity silicon and carbon feedstocks, seed crystals, graphite thermal-field materials, crystal-growth furnaces, slicing, grinding, polishing and inspection equipment, as well as epitaxy-related consumables and process tools, with suppliers mainly concentrated in advanced materials, hot-zone components, crystal-growth systems, precision processing, and metrology. Historically, silicon carbide dates back to its discovery by Edward G. Acheson in 1891; later, as wide-bandgap semiconductor technology matured and demand for efficient power conversion increased, SiC substrates progressed from early small-diameter wafers to 2-inch and 4-inch formats, and then further to 150 mm and 200 mm platforms. In that evolution, the 4-inch substrate represented an important transitional stage between laboratory-scale development and broader commercial adoption. In 2025, the global production capacity of 4-inch SiC substrates is estimated at 3.5 million pieces, with sales volume reaching

2.78 million pieces. The average selling price is about US\$115.7 per piece, and the gross margin of manufacturers is expected to range from 25% to 35%.

The market has moved beyond the early stage in which substrate availability itself was the main constraint, and it is now increasingly defined by crystal quality, yield consistency, and ecosystem coordination. Demand continues to be supported by electric mobility, power conversion, renewable energy systems, energy storage, and industrial power applications, where the value proposition of wide-bandgap devices has become more concrete. At the same time, the industry focus is clearly shifting toward larger wafer diameters, especially 150 mm and 200 mm platforms. As a result, 4-inch material is no longer the central long-term scale target for most leading players, and its role is gradually evolving toward legacy production, engineering validation, mature process continuity, and selected applications with longer qualification cycles or narrower performance requirements.

Looking ahead, the key trend is not simply more capacity, but better manufacturability across the full chain, including boule growth, wafering, polishing, inspection, epitaxy compatibility, and overall supply assurance. More companies are emphasizing vertical integration from substrate through epitaxy in order to improve process control, quality stability, and delivery resilience. The transition to larger diameters is also forcing parallel upgrades in furnaces, hot-zone materials, metrology, and process engineering. In that context, 4-inch wafers are unlikely to disappear immediately; instead, they are more likely to remain as a transitional, mature-process, and specialty-use platform, even as most new strategic investment and customer attention continue to move toward higher-generation wafer formats.

The main growth drivers come from the need for higher efficiency, lower switching loss, better thermal performance, and more compact system design, together with structural demand from vehicle electrification, grid modernization, renewable energy, and advanced industrial power systems. However, the restraints remain substantial. SiC substrate production still requires difficult crystal growth, tight defect control, demanding wafer processing, and long learning curves for yield improvement. As the industry moves to larger diameters, suppliers must also rebuild parts of the equipment base and cost structure while maintaining wafer quality. Parameters such as micropipes, dislocations, warp, thickness uniformity, and doping uniformity remain critical because they directly affect downstream epitaxy and device performance, which means that commercial success still depends on deep process know-how rather than demand alone.

This report is a detailed and comprehensive analysis for global 4-Inch SiC Substrate market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global 4-Inch SiC Substrate market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global 4-Inch SiC Substrate market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global 4-Inch SiC Substrate market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global 4-Inch SiC Substrate market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 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 4-Inch SiC Substrate

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

To assess competitive factors affecting the marketplace

This report profiles key players in the global 4-Inch SiC Substrate market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Cree, ROHM, II-VI, Norstel, Qorvo, SiCrystal,

GTAT, TankeBlue Semiconductor, Shandong Tianyue, Synlight Crystal, etc.

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

Market Segmentation

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

Market segment by Type

Conductivity

Semi-insulated

Market segment by Crystal Orientation

On-Axis 4-Inch SiC Substrate

4? Off-Axis 4-Inch SiC Substrate

8? Off-Axis 4-Inch SiC Substrate

Market segment by Product Grade

Prime Grade 4-Inch SiC Substrate

Research / Development Grade 4-Inch SiC Substrate

Others

Market segment by Application

UPS

Industrial Motor

Photovoltaic Inverter

Power Grid

Wind Power

New Energy Vehicles

Major players covered

Cree

ROHM

II-VI

Norstel

Qorvo

SiCrystal

GTAT

TankeBlue Semiconductor

Shandong Tianyue

Synlight Crystal

SK Siltron

Semisc

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 4-Inch SiC Substrate product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of 4-Inch SiC Substrate, with price, sales quantity, revenue, and global market share of 4-Inch SiC Substrate from 2021 to 2026.

Chapter 3, the 4-Inch SiC Substrate competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the 4-Inch SiC Substrate breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

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

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and 4-Inch SiC Substrate market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

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

Chapter 13, the key raw materials and key suppliers, and industry chain of 4-Inch SiC Substrate.

Chapter 14 and 15, to describe 4-Inch SiC Substrate sales channel, distributors, customers, research findings and conclusion.

Contents

1 MARKET OVERVIEW

1.1 Product Overview and Scope

1.2 Market Estimation Caveats and Base Year

1.3 Market Analysis by Type

1.3.1 Overview: Global 4-Inch SiC Substrate Consumption Value by Type: 2021 Versus 2025 Versus 2032

1.3.2 Conductivity

1.3.3 Semi-insulated

1.4 Market Analysis by Crystal Orientation

1.4.1 Overview: Global 4-Inch SiC Substrate Consumption Value by Crystal Orientation: 2021 Versus 2025 Versus 2032

1.4.2 On-Axis 4-Inch SiC Substrate

1.4.3 4? Off-Axis 4-Inch SiC Substrate

1.4.4 8? Off-Axis 4-Inch SiC Substrate

1.5 Market Analysis by Product Grade

1.5.1 Overview: Global 4-Inch SiC Substrate Consumption Value by Product Grade: 2021 Versus 2025 Versus 2032

1.5.2 Prime Grade 4-Inch SiC Substrate

1.5.3 Research / Development Grade 4-Inch SiC Substrate

1.5.4 Others

1.6 Market Analysis by Application

1.6.1 Overview: Global 4-Inch SiC Substrate Consumption Value by Application: 2021 Versus 2025 Versus 2032

1.6.2 UPS

1.6.3 Industrial Motor

1.6.4 Photovoltaic Inverter

1.6.5 Power Grid

1.6.6 Wind Power

1.6.7 New Energy Vehicles

1.7 Global 4-Inch SiC Substrate Market Size & Forecast

1.7.1 Global 4-Inch SiC Substrate Consumption Value (2021 & 2025 & 2032)

1.7.2 Global 4-Inch SiC Substrate Sales Quantity (2021-2032)

1.7.3 Global 4-Inch SiC Substrate Average Price (2021-2032)

2 MANUFACTURERS PROFILES

2.1 Cree

2.1.1 Cree Details

2.1.2 Cree Major Business

2.1.3 Cree 4-Inch SiC Substrate Product and Services

2.1.4 Cree 4-Inch SiC Substrate Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.1.5 Cree Recent Developments/Updates

2.2 ROHM

2.2.1 ROHM Details

2.2.2 ROHM Major Business

2.2.3 ROHM 4-Inch SiC Substrate Product and Services

2.2.4 ROHM 4-Inch SiC Substrate Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.2.5 ROHM Recent Developments/Updates

2.3 II-VI

2.3.1 II-VI Details

2.3.2 II-VI Major Business

2.3.3 II-VI 4-Inch SiC Substrate Product and Services

2.3.4 II-VI 4-Inch SiC Substrate Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.3.5 II-VI Recent Developments/Updates

2.4 Norstel

2.4.1 Norstel Details

2.4.2 Norstel Major Business

2.4.3 Norstel 4-Inch SiC Substrate Product and Services

2.4.4 Norstel 4-Inch SiC Substrate Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.4.5 Norstel Recent Developments/Updates

2.5 Qorvo

2.5.1 Qorvo Details

2.5.2 Qorvo Major Business

2.5.3 Qorvo 4-Inch SiC Substrate Product and Services

2.5.4 Qorvo 4-Inch SiC Substrate Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.5.5 Qorvo Recent Developments/Updates

2.6 SiCrystal

2.6.1 SiCrystal Details

2.6.2 SiCrystal Major Business

2.6.3 SiCrystal 4-Inch SiC Substrate Product and Services

2.6.4 SiCrystal 4-Inch SiC Substrate Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.6.5 SiCrystal Recent Developments/Updates

2.7 GTAT

2.7.1 GTAT Details

2.7.2 GTAT Major Business

2.7.3 GTAT 4-Inch SiC Substrate Product and Services

2.7.4 GTAT 4-Inch SiC Substrate Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.7.5 GTAT Recent Developments/Updates

2.8 TankeBlue Semiconductor

2.8.1 TankeBlue Semiconductor Details

2.8.2 TankeBlue Semiconductor Major Business

2.8.3 TankeBlue Semiconductor 4-Inch SiC Substrate Product and Services

2.8.4 TankeBlue Semiconductor 4-Inch SiC Substrate Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.8.5 TankeBlue Semiconductor Recent Developments/Updates

2.9 Shandong Tianyue

2.9.1 Shandong Tianyue Details

2.9.2 Shandong Tianyue Major Business

2.9.3 Shandong Tianyue 4-Inch SiC Substrate Product and Services

2.9.4 Shandong Tianyue 4-Inch SiC Substrate Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.9.5 Shandong Tianyue Recent Developments/Updates

2.10 Synlight Crystal

2.10.1 Synlight Crystal Details

2.10.2 Synlight Crystal Major Business

2.10.3 Synlight Crystal 4-Inch SiC Substrate Product and Services

2.10.4 Synlight Crystal 4-Inch SiC Substrate Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.10.5 Synlight Crystal Recent Developments/Updates

2.11 SK Siltron

2.11.1 SK Siltron Details

2.11.2 SK Siltron Major Business

2.11.3 SK Siltron 4-Inch SiC Substrate Product and Services

2.11.4 SK Siltron 4-Inch SiC Substrate Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.11.5 SK Siltron Recent Developments/Updates

2.12 Semisic

- 2.12.1 Semisic Details
- 2.12.2 Semisic Major Business
- 2.12.3 Semisic 4-Inch SiC Substrate Product and Services
- 2.12.4 Semisic 4-Inch SiC Substrate Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
- 2.12.5 Semisic Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: 4-INCH SiC SUBSTRATE BY MANUFACTURER

- 3.1 Global 4-Inch SiC Substrate Sales Quantity by Manufacturer (2021-2026)
- 3.2 Global 4-Inch SiC Substrate Revenue by Manufacturer (2021-2026)
- 3.3 Global 4-Inch SiC Substrate Average Price by Manufacturer (2021-2026)
- 3.4 Market Share Analysis (2025)
 - 3.4.1 Producer Shipments of 4-Inch SiC Substrate by Manufacturer Revenue (\$MM) and Market Share (%): 2025
 - 3.4.2 Top 3 4-Inch SiC Substrate Manufacturer Market Share in 2025
 - 3.4.3 Top 6 4-Inch SiC Substrate Manufacturer Market Share in 2025
- 3.5 4-Inch SiC Substrate Market: Overall Company Footprint Analysis
 - 3.5.1 4-Inch SiC Substrate Market: Region Footprint
 - 3.5.2 4-Inch SiC Substrate Market: Company Product Type Footprint
 - 3.5.3 4-Inch SiC Substrate Market: Company Product Application Footprint
- 3.6 New Market Entrants and Barriers to Market Entry
- 3.7 Mergers, Acquisition, Agreements, and Collaborations

4 CONSUMPTION ANALYSIS BY REGION

- 4.1 Global 4-Inch SiC Substrate Market Size by Region
 - 4.1.1 Global 4-Inch SiC Substrate Sales Quantity by Region (2021-2032)
 - 4.1.2 Global 4-Inch SiC Substrate Consumption Value by Region (2021-2032)
 - 4.1.3 Global 4-Inch SiC Substrate Average Price by Region (2021-2032)
- 4.2 North America 4-Inch SiC Substrate Consumption Value (2021-2032)
- 4.3 Europe 4-Inch SiC Substrate Consumption Value (2021-2032)
- 4.4 Asia-Pacific 4-Inch SiC Substrate Consumption Value (2021-2032)
- 4.5 South America 4-Inch SiC Substrate Consumption Value (2021-2032)
- 4.6 Middle East & Africa 4-Inch SiC Substrate Consumption Value (2021-2032)

5 MARKET SEGMENT BY TYPE

- 5.1 Global 4-Inch SiC Substrate Sales Quantity by Type (2021-2032)

5.2 Global 4-Inch SiC Substrate Consumption Value by Type (2021-2032)

5.3 Global 4-Inch SiC Substrate Average Price by Type (2021-2032)

6 MARKET SEGMENT BY APPLICATION

6.1 Global 4-Inch SiC Substrate Sales Quantity by Application (2021-2032)

6.2 Global 4-Inch SiC Substrate Consumption Value by Application (2021-2032)

6.3 Global 4-Inch SiC Substrate Average Price by Application (2021-2032)

7 NORTH AMERICA

7.1 North America 4-Inch SiC Substrate Sales Quantity by Type (2021-2032)

7.2 North America 4-Inch SiC Substrate Sales Quantity by Application (2021-2032)

7.3 North America 4-Inch SiC Substrate Market Size by Country

7.3.1 North America 4-Inch SiC Substrate Sales Quantity by Country (2021-2032)

7.3.2 North America 4-Inch SiC Substrate Consumption Value by Country (2021-2032)

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

7.3.4 Canada Market Size and Forecast (2021-2032)

7.3.5 Mexico Market Size and Forecast (2021-2032)

8 EUROPE

8.1 Europe 4-Inch SiC Substrate Sales Quantity by Type (2021-2032)

8.2 Europe 4-Inch SiC Substrate Sales Quantity by Application (2021-2032)

8.3 Europe 4-Inch SiC Substrate Market Size by Country

8.3.1 Europe 4-Inch SiC Substrate Sales Quantity by Country (2021-2032)

8.3.2 Europe 4-Inch SiC Substrate Consumption Value by Country (2021-2032)

8.3.3 Germany Market Size and Forecast (2021-2032)

8.3.4 France Market Size and Forecast (2021-2032)

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

8.3.6 Russia Market Size and Forecast (2021-2032)

8.3.7 Italy Market Size and Forecast (2021-2032)

9 ASIA-PACIFIC

9.1 Asia-Pacific 4-Inch SiC Substrate Sales Quantity by Type (2021-2032)

9.2 Asia-Pacific 4-Inch SiC Substrate Sales Quantity by Application (2021-2032)

9.3 Asia-Pacific 4-Inch SiC Substrate Market Size by Region

9.3.1 Asia-Pacific 4-Inch SiC Substrate Sales Quantity by Region (2021-2032)

- 9.3.2 Asia-Pacific 4-Inch SiC Substrate Consumption Value by Region (2021-2032)
- 9.3.3 China Market Size and Forecast (2021-2032)
- 9.3.4 Japan Market Size and Forecast (2021-2032)
- 9.3.5 South Korea Market Size and Forecast (2021-2032)
- 9.3.6 India Market Size and Forecast (2021-2032)
- 9.3.7 Southeast Asia Market Size and Forecast (2021-2032)
- 9.3.8 Australia Market Size and Forecast (2021-2032)

10 SOUTH AMERICA

- 10.1 South America 4-Inch SiC Substrate Sales Quantity by Type (2021-2032)
- 10.2 South America 4-Inch SiC Substrate Sales Quantity by Application (2021-2032)
- 10.3 South America 4-Inch SiC Substrate Market Size by Country
 - 10.3.1 South America 4-Inch SiC Substrate Sales Quantity by Country (2021-2032)
 - 10.3.2 South America 4-Inch SiC Substrate Consumption Value by Country (2021-2032)
 - 10.3.3 Brazil Market Size and Forecast (2021-2032)
 - 10.3.4 Argentina Market Size and Forecast (2021-2032)

11 MIDDLE EAST & AFRICA

- 11.1 Middle East & Africa 4-Inch SiC Substrate Sales Quantity by Type (2021-2032)
- 11.2 Middle East & Africa 4-Inch SiC Substrate Sales Quantity by Application (2021-2032)
- 11.3 Middle East & Africa 4-Inch SiC Substrate Market Size by Country
 - 11.3.1 Middle East & Africa 4-Inch SiC Substrate Sales Quantity by Country (2021-2032)
 - 11.3.2 Middle East & Africa 4-Inch SiC Substrate Consumption Value by Country (2021-2032)
 - 11.3.3 Turkey Market Size and Forecast (2021-2032)
 - 11.3.4 Egypt Market Size and Forecast (2021-2032)
 - 11.3.5 Saudi Arabia Market Size and Forecast (2021-2032)
 - 11.3.6 South Africa Market Size and Forecast (2021-2032)

12 MARKET DYNAMICS

- 12.1 4-Inch SiC Substrate Market Drivers
- 12.2 4-Inch SiC Substrate Market Restraints
- 12.3 4-Inch SiC Substrate Trends Analysis

12.4 Porters Five Forces Analysis

- 12.4.1 Threat of New Entrants
- 12.4.2 Bargaining Power of Suppliers
- 12.4.3 Bargaining Power of Buyers
- 12.4.4 Threat of Substitutes
- 12.4.5 Competitive Rivalry

13 RAW MATERIAL AND INDUSTRY CHAIN

- 13.1 Raw Material of 4-Inch SiC Substrate and Key Manufacturers
- 13.2 Manufacturing Costs Percentage of 4-Inch SiC Substrate
- 13.3 4-Inch SiC Substrate Production Process
- 13.4 Industry Value Chain Analysis

14 SHIPMENTS BY DISTRIBUTION CHANNEL

- 14.1 Sales Channel
 - 14.1.1 Direct to End-User
 - 14.1.2 Distributors
- 14.2 4-Inch SiC Substrate Typical Distributors
- 14.3 4-Inch SiC Substrate Typical Customers

15 RESEARCH FINDINGS AND CONCLUSION

16 APPENDIX

- 16.1 Methodology
- 16.2 Research Process and Data Source
- 16.3 Disclaimer

List Of Tables

LIST OF TABLES

- Table 1. Global 4-Inch SiC Substrate Consumption Value by Type, (USD Million), 2021 & 2025 & 2032
- Table 2. Global 4-Inch SiC Substrate Consumption Value by Crystal Orientation, (USD Million), 2021 & 2025 & 2032
- Table 3. Global 4-Inch SiC Substrate Consumption Value by Product Grade, (USD Million), 2021 & 2025 & 2032
- Table 4. Global 4-Inch SiC Substrate Consumption Value by Application, (USD Million), 2021 & 2025 & 2032
- Table 5. Cree Basic Information, Manufacturing Base and Competitors
- Table 6. Cree Major Business
- Table 7. Cree 4-Inch SiC Substrate Product and Services
- Table 8. Cree 4-Inch SiC Substrate Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 9. Cree Recent Developments/Updates
- Table 10. ROHM Basic Information, Manufacturing Base and Competitors
- Table 11. ROHM Major Business
- Table 12. ROHM 4-Inch SiC Substrate Product and Services
- Table 13. ROHM 4-Inch SiC Substrate Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 14. ROHM Recent Developments/Updates
- Table 15. II-VI Basic Information, Manufacturing Base and Competitors
- Table 16. II-VI Major Business
- Table 17. II-VI 4-Inch SiC Substrate Product and Services
- Table 18. II-VI 4-Inch SiC Substrate Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 19. II-VI Recent Developments/Updates
- Table 20. Norstel Basic Information, Manufacturing Base and Competitors
- Table 21. Norstel Major Business
- Table 22. Norstel 4-Inch SiC Substrate Product and Services
- Table 23. Norstel 4-Inch SiC Substrate Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 24. Norstel Recent Developments/Updates
- Table 25. Qorvo Basic Information, Manufacturing Base and Competitors
- Table 26. Qorvo Major Business
- Table 27. Qorvo 4-Inch SiC Substrate Product and Services

- Table 28. Qorvo 4-Inch SiC Substrate Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 29. Qorvo Recent Developments/Updates
- Table 30. SiCrystal Basic Information, Manufacturing Base and Competitors
- Table 31. SiCrystal Major Business
- Table 32. SiCrystal 4-Inch SiC Substrate Product and Services
- Table 33. SiCrystal 4-Inch SiC Substrate Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 34. SiCrystal Recent Developments/Updates
- Table 35. GTAT Basic Information, Manufacturing Base and Competitors
- Table 36. GTAT Major Business
- Table 37. GTAT 4-Inch SiC Substrate Product and Services
- Table 38. GTAT 4-Inch SiC Substrate Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 39. GTAT Recent Developments/Updates
- Table 40. TankeBlue Semiconductor Basic Information, Manufacturing Base and Competitors
- Table 41. TankeBlue Semiconductor Major Business
- Table 42. TankeBlue Semiconductor 4-Inch SiC Substrate Product and Services
- Table 43. TankeBlue Semiconductor 4-Inch SiC Substrate Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 44. TankeBlue Semiconductor Recent Developments/Updates
- Table 45. Shandong Tianyue Basic Information, Manufacturing Base and Competitors
- Table 46. Shandong Tianyue Major Business
- Table 47. Shandong Tianyue 4-Inch SiC Substrate Product and Services
- Table 48. Shandong Tianyue 4-Inch SiC Substrate Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 49. Shandong Tianyue Recent Developments/Updates
- Table 50. Synlight Crystal Basic Information, Manufacturing Base and Competitors
- Table 51. Synlight Crystal Major Business
- Table 52. Synlight Crystal 4-Inch SiC Substrate Product and Services
- Table 53. Synlight Crystal 4-Inch SiC Substrate Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 54. Synlight Crystal Recent Developments/Updates
- Table 55. SK Siltron Basic Information, Manufacturing Base and Competitors
- Table 56. SK Siltron Major Business
- Table 57. SK Siltron 4-Inch SiC Substrate Product and Services
- Table 58. SK Siltron 4-Inch SiC Substrate Sales Quantity (K Units), Average Price

(US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 59. SK Siltron Recent Developments/Updates

Table 60. Semisic Basic Information, Manufacturing Base and Competitors

Table 61. Semisic Major Business

Table 62. Semisic 4-Inch SiC Substrate Product and Services

Table 63. Semisic 4-Inch SiC Substrate Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 64. Semisic Recent Developments/Updates

Table 65. Global 4-Inch SiC Substrate Sales Quantity by Manufacturer (2021-2026) & (K Units)

Table 66. Global 4-Inch SiC Substrate Revenue by Manufacturer (2021-2026) & (USD Million)

Table 67. Global 4-Inch SiC Substrate Average Price by Manufacturer (2021-2026) & (US\$/Unit)

Table 68. Market Position of Manufacturers in 4-Inch SiC Substrate, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2025

Table 69. Head Office and 4-Inch SiC Substrate Production Site of Key Manufacturer

Table 70. 4-Inch SiC Substrate Market: Company Product Type Footprint

Table 71. 4-Inch SiC Substrate Market: Company Product Application Footprint

Table 72. 4-Inch SiC Substrate New Market Entrants and Barriers to Market Entry

Table 73. 4-Inch SiC Substrate Mergers, Acquisition, Agreements, and Collaborations

Table 74. Global 4-Inch SiC Substrate Consumption Value by Region (2021-2025-2032) & (USD Million) & CAGR

Table 75. Global 4-Inch SiC Substrate Sales Quantity by Region (2021-2026) & (K Units)

Table 76. Global 4-Inch SiC Substrate Sales Quantity by Region (2027-2032) & (K Units)

Table 77. Global 4-Inch SiC Substrate Consumption Value by Region (2021-2026) & (USD Million)

Table 78. Global 4-Inch SiC Substrate Consumption Value by Region (2027-2032) & (USD Million)

Table 79. Global 4-Inch SiC Substrate Average Price by Region (2021-2026) & (US\$/Unit)

Table 80. Global 4-Inch SiC Substrate Average Price by Region (2027-2032) & (US\$/Unit)

Table 81. Global 4-Inch SiC Substrate Sales Quantity by Type (2021-2026) & (K Units)

Table 82. Global 4-Inch SiC Substrate Sales Quantity by Type (2027-2032) & (K Units)

Table 83. Global 4-Inch SiC Substrate Consumption Value by Type (2021-2026) & (USD Million)

Table 84. Global 4-Inch SiC Substrate Consumption Value by Type (2027-2032) & (USD Million)

Table 85. Global 4-Inch SiC Substrate Average Price by Type (2021-2026) & (US\$/Unit)

Table 86. Global 4-Inch SiC Substrate Average Price by Type (2027-2032) & (US\$/Unit)

Table 87. Global 4-Inch SiC Substrate Sales Quantity by Application (2021-2026) & (K Units)

Table 88. Global 4-Inch SiC Substrate Sales Quantity by Application (2027-2032) & (K Units)

Table 89. Global 4-Inch SiC Substrate Consumption Value by Application (2021-2026) & (USD Million)

Table 90. Global 4-Inch SiC Substrate Consumption Value by Application (2027-2032) & (USD Million)

Table 91. Global 4-Inch SiC Substrate Average Price by Application (2021-2026) & (US\$/Unit)

Table 92. Global 4-Inch SiC Substrate Average Price by Application (2027-2032) & (US\$/Unit)

Table 93. North America 4-Inch SiC Substrate Sales Quantity by Type (2021-2026) & (K Units)

Table 94. North America 4-Inch SiC Substrate Sales Quantity by Type (2027-2032) & (K Units)

Table 95. North America 4-Inch SiC Substrate Sales Quantity by Application (2021-2026) & (K Units)

Table 96. North America 4-Inch SiC Substrate Sales Quantity by Application (2027-2032) & (K Units)

Table 97. North America 4-Inch SiC Substrate Sales Quantity by Country (2021-2026) & (K Units)

Table 98. North America 4-Inch SiC Substrate Sales Quantity by Country (2027-2032) & (K Units)

Table 99. North America 4-Inch SiC Substrate Consumption Value by Country (2021-2026) & (USD Million)

Table 100. North America 4-Inch SiC Substrate Consumption Value by Country (2027-2032) & (USD Million)

Table 101. Europe 4-Inch SiC Substrate Sales Quantity by Type (2021-2026) & (K Units)

Table 102. Europe 4-Inch SiC Substrate Sales Quantity by Type (2027-2032) & (K Units)

Table 103. Europe 4-Inch SiC Substrate Sales Quantity by Application (2021-2026) & (K Units)

Table 104. Europe 4-Inch SiC Substrate Sales Quantity by Application (2027-2032) & (K Units)

Units)

Table 105. Europe 4-Inch SiC Substrate Sales Quantity by Country (2021-2026) & (K Units)

Table 106. Europe 4-Inch SiC Substrate Sales Quantity by Country (2027-2032) & (K Units)

Table 107. Europe 4-Inch SiC Substrate Consumption Value by Country (2021-2026) & (USD Million)

Table 108. Europe 4-Inch SiC Substrate Consumption Value by Country (2027-2032) & (USD Million)

Table 109. Asia-Pacific 4-Inch SiC Substrate Sales Quantity by Type (2021-2026) & (K Units)

Table 110. Asia-Pacific 4-Inch SiC Substrate Sales Quantity by Type (2027-2032) & (K Units)

Table 111. Asia-Pacific 4-Inch SiC Substrate Sales Quantity by Application (2021-2026) & (K Units)

Table 112. Asia-Pacific 4-Inch SiC Substrate Sales Quantity by Application (2027-2032) & (K Units)

Table 113. Asia-Pacific 4-Inch SiC Substrate Sales Quantity by Region (2021-2026) & (K Units)

Table 114. Asia-Pacific 4-Inch SiC Substrate Sales Quantity by Region (2027-2032) & (K Units)

Table 115. Asia-Pacific 4-Inch SiC Substrate Consumption Value by Region (2021-2026) & (USD Million)

Table 116. Asia-Pacific 4-Inch SiC Substrate Consumption Value by Region (2027-2032) & (USD Million)

Table 117. South America 4-Inch SiC Substrate Sales Quantity by Type (2021-2026) & (K Units)

Table 118. South America 4-Inch SiC Substrate Sales Quantity by Type (2027-2032) & (K Units)

Table 119. South America 4-Inch SiC Substrate Sales Quantity by Application (2021-2026) & (K Units)

Table 120. South America 4-Inch SiC Substrate Sales Quantity by Application (2027-2032) & (K Units)

Table 121. South America 4-Inch SiC Substrate Sales Quantity by Country (2021-2026) & (K Units)

Table 122. South America 4-Inch SiC Substrate Sales Quantity by Country (2027-2032) & (K Units)

Table 123. South America 4-Inch SiC Substrate Consumption Value by Country (2021-2026) & (USD Million)

Table 124. South America 4-Inch SiC Substrate Consumption Value by Country (2027-2032) & (USD Million)

Table 125. Middle East & Africa 4-Inch SiC Substrate Sales Quantity by Type (2021-2026) & (K Units)

Table 126. Middle East & Africa 4-Inch SiC Substrate Sales Quantity by Type (2027-2032) & (K Units)

Table 127. Middle East & Africa 4-Inch SiC Substrate Sales Quantity by Application (2021-2026) & (K Units)

Table 128. Middle East & Africa 4-Inch SiC Substrate Sales Quantity by Application (2027-2032) & (K Units)

Table 129. Middle East & Africa 4-Inch SiC Substrate Sales Quantity by Country (2021-2026) & (K Units)

Table 130. Middle East & Africa 4-Inch SiC Substrate Sales Quantity by Country (2027-2032) & (K Units)

Table 131. Middle East & Africa 4-Inch SiC Substrate Consumption Value by Country (2021-2026) & (USD Million)

Table 132. Middle East & Africa 4-Inch SiC Substrate Consumption Value by Country (2027-2032) & (USD Million)

Table 133. 4-Inch SiC Substrate Raw Material

Table 134. Key Manufacturers of 4-Inch SiC Substrate Raw Materials

Table 135. 4-Inch SiC Substrate Typical Distributors

Table 136. 4-Inch SiC Substrate Typical Customers

List Of Figures

LIST OF FIGURES

- Figure 1. 4-Inch SiC Substrate Picture
- Figure 2. Global 4-Inch SiC Substrate Revenue by Type, (USD Million), 2021 & 2025 & 2032
- Figure 3. Global 4-Inch SiC Substrate Revenue Market Share by Type in 2025
- Figure 4. Conductivity Examples
- Figure 5. Semi-insulated Examples
- Figure 6. Global 4-Inch SiC Substrate Revenue by Crystal Orientation, (USD Million), 2021 & 2025 & 2032
- Figure 7. Global 4-Inch SiC Substrate Revenue Market Share by Crystal Orientation in 2025
- Figure 8. On-Axis 4-Inch SiC Substrate Examples
- Figure 9. 4? Off-Axis 4-Inch SiC Substrate Examples
- Figure 10. 8? Off-Axis 4-Inch SiC Substrate Examples
- Figure 11. Global 4-Inch SiC Substrate Revenue by Product Grade, (USD Million), 2021 & 2025 & 2032
- Figure 12. Global 4-Inch SiC Substrate Revenue Market Share by Product Grade in 2025
- Figure 13. Prime Grade 4-Inch SiC Substrate Examples
- Figure 14. Research / Development Grade 4-Inch SiC Substrate Examples
- Figure 15. Others Examples
- Figure 16. Global 4-Inch SiC Substrate Consumption Value by Application, (USD Million), 2021 & 2025 & 2032
- Figure 17. Global 4-Inch SiC Substrate Revenue Market Share by Application in 2025
- Figure 18. UPS Examples
- Figure 19. Industrial Motor Examples
- Figure 20. Photovoltaic Inverter Examples
- Figure 21. Power Grid Examples
- Figure 22. Wind Power Examples
- Figure 23. New Energy Vehicles Examples
- Figure 24. Global 4-Inch SiC Substrate Consumption Value, (USD Million): 2021 & 2025 & 2032
- Figure 25. Global 4-Inch SiC Substrate Consumption Value and Forecast (2021-2032) & (USD Million)
- Figure 26. Global 4-Inch SiC Substrate Sales Quantity (2021-2032) & (K Units)
- Figure 27. Global 4-Inch SiC Substrate Price (2021-2032) & (US\$/Unit)

Figure 28. Global 4-Inch SiC Substrate Sales Quantity Market Share by Manufacturer in 2025

Figure 29. Global 4-Inch SiC Substrate Revenue Market Share by Manufacturer in 2025

Figure 30. Producer Shipments of 4-Inch SiC Substrate by Manufacturer Sales (\$MM) and Market Share (%): 2025

Figure 31. Top 3 4-Inch SiC Substrate Manufacturer (Revenue) Market Share in 2025

Figure 32. Top 6 4-Inch SiC Substrate Manufacturer (Revenue) Market Share in 2025

Figure 33. Global 4-Inch SiC Substrate Sales Quantity Market Share by Region (2021-2032)

Figure 34. Global 4-Inch SiC Substrate Consumption Value Market Share by Region (2021-2032)

Figure 35. North America 4-Inch SiC Substrate Consumption Value (2021-2032) & (USD Million)

Figure 36. Europe 4-Inch SiC Substrate Consumption Value (2021-2032) & (USD Million)

Figure 37. Asia-Pacific 4-Inch SiC Substrate Consumption Value (2021-2032) & (USD Million)

Figure 38. South America 4-Inch SiC Substrate Consumption Value (2021-2032) & (USD Million)

Figure 39. Middle East & Africa 4-Inch SiC Substrate Consumption Value (2021-2032) & (USD Million)

Figure 40. Global 4-Inch SiC Substrate Sales Quantity Market Share by Type (2021-2032)

Figure 41. Global 4-Inch SiC Substrate Consumption Value Market Share by Type (2021-2032)

Figure 42. Global 4-Inch SiC Substrate Average Price by Type (2021-2032) & (US\$/Unit)

Figure 43. Global 4-Inch SiC Substrate Sales Quantity Market Share by Application (2021-2032)

Figure 44. Global 4-Inch SiC Substrate Revenue Market Share by Application (2021-2032)

Figure 45. Global 4-Inch SiC Substrate Average Price by Application (2021-2032) & (US\$/Unit)

Figure 46. North America 4-Inch SiC Substrate Sales Quantity Market Share by Type (2021-2032)

Figure 47. North America 4-Inch SiC Substrate Sales Quantity Market Share by Application (2021-2032)

Figure 48. North America 4-Inch SiC Substrate Sales Quantity Market Share by Country (2021-2032)

Figure 49. North America 4-Inch SiC Substrate Consumption Value Market Share by Country (2021-2032)

Figure 50. United States 4-Inch SiC Substrate Consumption Value (2021-2032) & (USD Million)

Figure 51. Canada 4-Inch SiC Substrate Consumption Value (2021-2032) & (USD Million)

Figure 52. Mexico 4-Inch SiC Substrate Consumption Value (2021-2032) & (USD Million)

Figure 53. Europe 4-Inch SiC Substrate Sales Quantity Market Share by Type (2021-2032)

Figure 54. Europe 4-Inch SiC Substrate Sales Quantity Market Share by Application (2021-2032)

Figure 55. Europe 4-Inch SiC Substrate Sales Quantity Market Share by Country (2021-2032)

Figure 56. Europe 4-Inch SiC Substrate Consumption Value Market Share by Country (2021-2032)

Figure 57. Germany 4-Inch SiC Substrate Consumption Value (2021-2032) & (USD Million)

Figure 58. France 4-Inch SiC Substrate Consumption Value (2021-2032) & (USD Million)

Figure 59. United Kingdom 4-Inch SiC Substrate Consumption Value (2021-2032) & (USD Million)

Figure 60. Russia 4-Inch SiC Substrate Consumption Value (2021-2032) & (USD Million)

Figure 61. Italy 4-Inch SiC Substrate Consumption Value (2021-2032) & (USD Million)

Figure 62. Asia-Pacific 4-Inch SiC Substrate Sales Quantity Market Share by Type (2021-2032)

Figure 63. Asia-Pacific 4-Inch SiC Substrate Sales Quantity Market Share by Application (2021-2032)

Figure 64. Asia-Pacific 4-Inch SiC Substrate Sales Quantity Market Share by Region (2021-2032)

Figure 65. Asia-Pacific 4-Inch SiC Substrate Consumption Value Market Share by Region (2021-2032)

Figure 66. China 4-Inch SiC Substrate Consumption Value (2021-2032) & (USD Million)

Figure 67. Japan 4-Inch SiC Substrate Consumption Value (2021-2032) & (USD Million)

Figure 68. South Korea 4-Inch SiC Substrate Consumption Value (2021-2032) & (USD Million)

Figure 69. India 4-Inch SiC Substrate Consumption Value (2021-2032) & (USD Million)

Figure 70. Southeast Asia 4-Inch SiC Substrate Consumption Value (2021-2032) &

(USD Million)

Figure 71. Australia 4-Inch SiC Substrate Consumption Value (2021-2032) & (USD Million)

Figure 72. South America 4-Inch SiC Substrate Sales Quantity Market Share by Type (2021-2032)

Figure 73. South America 4-Inch SiC Substrate Sales Quantity Market Share by Application (2021-2032)

Figure 74. South America 4-Inch SiC Substrate Sales Quantity Market Share by Country (2021-2032)

Figure 75. South America 4-Inch SiC Substrate Consumption Value Market Share by Country (2021-2032)

Figure 76. Brazil 4-Inch SiC Substrate Consumption Value (2021-2032) & (USD Million)

Figure 77. Argentina 4-Inch SiC Substrate Consumption Value (2021-2032) & (USD Million)

Figure 78. Middle East & Africa 4-Inch SiC Substrate Sales Quantity Market Share by Type (2021-2032)

Figure 79. Middle East & Africa 4-Inch SiC Substrate Sales Quantity Market Share by Application (2021-2032)

Figure 80. Middle East & Africa 4-Inch SiC Substrate Sales Quantity Market Share by Country (2021-2032)

Figure 81. Middle East & Africa 4-Inch SiC Substrate Consumption Value Market Share by Country (2021-2032)

Figure 82. Turkey 4-Inch SiC Substrate Consumption Value (2021-2032) & (USD Million)

Figure 83. Egypt 4-Inch SiC Substrate Consumption Value (2021-2032) & (USD Million)

Figure 84. Saudi Arabia 4-Inch SiC Substrate Consumption Value (2021-2032) & (USD Million)

Figure 85. South Africa 4-Inch SiC Substrate Consumption Value (2021-2032) & (USD Million)

Figure 86. 4-Inch SiC Substrate Market Drivers

Figure 87. 4-Inch SiC Substrate Market Restraints

Figure 88. 4-Inch SiC Substrate Market Trends

Figure 89. Porters Five Forces Analysis

Figure 90. Manufacturing Cost Structure Analysis of 4-Inch SiC Substrate in 2025

Figure 91. Manufacturing Process Analysis of 4-Inch SiC Substrate

Figure 92. 4-Inch SiC Substrate Industrial Chain

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

Figure 94. Direct Channel Pros & Cons

Figure 95. Indirect Channel Pros & Cons

Figure 96. Methodology

Figure 97. Research Process and Data Source

I would like to order

Product name: Global 4-Inch SiC Substrate Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

Product link: <https://marketpublishers.com/r/G03D925E337EEN.html>

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

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

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G03D925E337EEN.html>