

# Global CVD SiC Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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## Abstracts

According to our (Global Info Research) latest study, the global CVD SiC market size was valued at USD 378.5 million in 2023 and is forecast to a readjusted size of USD 584.8 million by 2030 with a CAGR of 6.4% during review period.

CVD silicon carbide is a high-purity, homogeneous, fine-grained substrate material with very good mechanical, optical, and thermal properties. The report covers CVD Silicon Carbide solid products.

Global CVD SiC key players include Tokai Carbon, Morgan Advanced Materials, Ferrotec, SKC Solmics, CoorsTek, etc. Global top 5 manufacturers hold a share about 70%. Asia-Pacific is the largest market, with a share about 55%, followed by North America, with a share about 30 percent. In terms of product, low resistivity grade is the largest segment, with a share about 35%. And in terms of application, the largest application is plasma etch components, followed by rapid thermal process components.

The Global Info Research report includes an overview of the development of the CVD SiC industry chain, the market status of Rapid Thermal Process Components (Low Resistivity Grade, Middle Resistivity Grade), Plasma Etch Components (Low Resistivity Grade, Middle Resistivity Grade), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of CVD SiC.

Regionally, the report analyzes the CVD SiC markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global CVD SiC market, with robust domestic demand, supportive policies, and a strong manufacturing

base.

#### Key Features:

The report presents comprehensive understanding of the CVD SiC market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the CVD SiC industry.

The report involves analyzing the market at a macro level:

**Market Sizing and Segmentation:** Report collect data on the overall market size, including the sales quantity (MT), revenue generated, and market share of different by Type (e.g., Low Resistivity Grade, Middle Resistivity Grade).

**Industry Analysis:** Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the CVD SiC market.

**Regional Analysis:** The report involves examining the CVD SiC market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

**Market Projections:** Report covers the gathered data and analysis to make future projections and forecasts for the CVD SiC market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to CVD SiC:

**Company Analysis:** Report covers individual CVD SiC manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

**Consumer Analysis:** Report covers data on consumer behaviour, preferences, and attitudes towards CVD SiC This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Rapid Thermal Process Components, Plasma Etch Components).

**Technology Analysis:** Report covers specific technologies relevant to CVD SiC. It assesses the current state, advancements, and potential future developments in CVD SiC areas.

**Competitive Landscape:** By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the CVD SiC market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

**Market Validation:** The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

### Market Segmentation

CVD SiC market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

#### Market segment by Type

Low Resistivity Grade

Middle Resistivity Grade

High Resistivity Grade

#### Market segment by Application

Rapid Thermal Process Components

Plasma Etch Components

Susceptors and Dummy Wafer

LED Wafer Carriers and Cover Plates

Others

## Major players covered

Tokai Carbon

Morgan Advanced Materials

Ferrotec

CoorsTek

AGC

SKC Solmics

Sgl Carbon

Toyo Tanso

Mersen

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

Chapter 2, to profile the top manufacturers of CVD SiC, with price, sales, revenue and global market share of CVD SiC from 2019 to 2024.

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

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

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023. and CVD SiC market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

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

Chapter 13, the key raw materials and key suppliers, and industry chain of CVD SiC.

Chapter 14 and 15, to describe CVD SiC sales channel, distributors, customers, research findings and conclusion.

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