

Global CVD Silicon Carbide Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

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Abstracts

According to our (Global Info Research) latest study, the global CVD Silicon Carbide market size was valued at USD 831.3 million in 2022 and is forecast to a readjusted size of USD 1488.7 million by 2029 with a CAGR of 8.7% 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 key players of CVD Silicon Carbide include Tokai Carbon, Sgl Carbon, Toyo Tanso, Mersen, Morgan Advanced Materials, etc. The top five players hold a share about 60%. United States is the largest producer, has a share about 37%, followed by South Korea and Japan, with share 31% and 24%, respectively. The largest market is Asia-Pacific, with a share about 67.5%. In terms of product type, Low Resistivity Grade is the largest segment, occupied for a share of about 52%, and in terms of application, Plasma Etch Components has a share about 48 percent.

The Global Info Research report includes an overview of the development of the CVD Silicon Carbide 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 Silicon Carbide.

Regionally, the report analyzes the CVD Silicon Carbide 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 Silicon Carbide market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the CVD Silicon Carbide 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 Silicon Carbide 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 (K Units), 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 Silicon Carbide market.

Regional Analysis: The report involves examining the CVD Silicon Carbide 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 Silicon Carbide 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 Silicon Carbide:

Company Analysis: Report covers individual CVD Silicon Carbide 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 Silicon Carbide. 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 Silicon Carbide. It assesses the current state, advancements, and potential future developments in CVD Silicon Carbide areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the CVD Silicon Carbide 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 Silicon Carbide market is split by Type and by Application. For the period 2018-2029, 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

Zhicheng 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 CVD Silicon Carbide product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of CVD Silicon Carbide, with price, sales, revenue and global market share of CVD Silicon Carbide from 2018 to 2023.

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

Chapter 4, the CVD Silicon Carbide breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2018 to 2029.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2018 to 2029.

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 2022. and CVD Silicon Carbide market forecast, by regions, type and application, with sales and revenue, from 2024 to 2029.

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 Silicon Carbide.

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

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