

# Global SiC Coated Graphite Susceptor 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 SiC Coated Graphite Susceptor market size was valued at USD 307.8 million in 2023 and is forecast to a readjusted size of USD 496.9 million by 2030 with a CAGR of 7.1% during review period.

Silicon carbide is a compound of Silicon and Carbon with chemical formula SiC. Today SiC coated graphite is widely used in high-temperature/high-voltage semiconductor electronics. CVD SiC epitaxy susceptors can convert RF energy into an uniformly distributed heating for processing wafers in the temperature range of 1,100°C to 1,200°C. They provide a smooth surface to support polished wafers for epitaxial processing and can be cleaned with gaseous etch processes as required for standard maintenance.

Global key players of SiC coated graphite susceptor include Toyo Tanso, SGL Carbon, Schunk Xycarb Technology, etc. The top three players hold a share about 71%. United States is the largest producer, has a share about 40%, followed by Japan and China, with share 35% and 12%, respectively. The largest market is Asia-Pacific, with a share about 70%, followed by North America and Europe, with share 17% and 13%, separately.

The Global Info Research report includes an overview of the development of the SiC Coated Graphite Susceptor industry chain, the market status of MOCVD Susceptors (Pancake Susceptor, Barrel Susceptor), Susceptor for Silicon Epitaxial Growth (Pancake Susceptor, Barrel Susceptor), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications



and market trends of SiC Coated Graphite Susceptor.

Regionally, the report analyzes the SiC Coated Graphite Susceptor 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 SiC Coated Graphite Susceptor market, with robust domestic demand, supportive policies, and a strong manufacturing base.

#### Key Features:

The report presents comprehensive understanding of the SiC Coated Graphite Susceptor 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 SiC Coated Graphite Susceptor 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., Pancake Susceptor, Barrel Susceptor).

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 SiC Coated Graphite Susceptor market.

Regional Analysis: The report involves examining the SiC Coated Graphite Susceptor 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 SiC Coated Graphite Susceptor market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to SiC Coated Graphite Susceptor:



Company Analysis: Report covers individual SiC Coated Graphite Susceptor 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 SiC Coated Graphite Susceptor This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (MOCVD Susceptors, Susceptor for Silicon Epitaxial Growth).

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

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the SiC Coated Graphite Susceptor 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

SiC Coated Graphite Susceptor 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

Pancake Susceptor

Barrel Susceptor

Market segment by Application

MOCVD Susceptors



Susceptor for Silicon Epitaxial Growth Susceptor for SiC Epitaxial Growth Other Major players covered Toyo Tanso SGL Carbon Tokai Carbon Mersen Bay Carbon CoorsTek Schunk Xycarb Technology 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 SiC Coated Graphite Susceptor product scope, market overview, market estimation caveats and base year.

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

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

Chapter 4, the SiC Coated Graphite Susceptor 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 SiC Coated Graphite Susceptor 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 SiC Coated Graphite Susceptor.

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



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