

Global Sintered 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 Sintered SiC market size was valued at USD 269.8 million in 2023 and is forecast to a readjusted size of USD 332.8 million by 2030 with a CAGR of 3.0% during review period.

Sintered silicon carbide is a particularly light and at the same time hard high-performance ceramic. Sintered silicon carbide is characterized by high strength, which remains almost constant even at extreme temperatures.

Global silicon carbide ceramics industry is relatively fragmented as there are many middle and small sized producers in the industry. Saint-Gobain is the largest manufacturer globally with about 10% revenue share in 2022. The company owns advanced technology and targets at various downstream industries, including high end usages. Other companies, like 3M, IBIDEN, CeramTec, etc., are also well known in the industry. Reaction bonded silicon carbide is the alternatives of sintered silicon carbide.

The Global Info Research report includes an overview of the development of the Sintered SiC industry chain, the market status of Machinery Manufacturing (Solid Phase Sintering, Liquid Phase Sintering), Metallurgical Industry (Solid Phase Sintering, Liquid Phase Sintering), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Sintered SiC.

Regionally, the report analyzes the Sintered 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 Sintered SiC market, with robust domestic demand, supportive policies, and a strong

manufacturing base.

Key Features:

The report presents comprehensive understanding of the Sintered 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 Sintered 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., Solid Phase Sintering, Liquid Phase Sintering).

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 Sintered SiC market.

Regional Analysis: The report involves examining the Sintered 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 Sintered 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 Sintered SiC:

Company Analysis: Report covers individual Sintered 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 Sintered SiC This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Machinery Manufacturing, Metallurgical Industry).

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

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Sintered 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

Sintered 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

Solid Phase Sintering

Liquid Phase Sintering

Market segment by Application

Machinery Manufacturing

Metallurgical Industry

Chemical Engineering

Aerospace & Defense

Semiconductor

Automobile

Others

Major players covered

Saint-Gobain

3M

CeramTec

Kyocera

CoorsTek

Morgan Advanced Materials

Schunk

Ortech

ASUZAC

Fraunhofer IKTS

Shandong Huamei New Material Technology

Sanzer New Materials Technology

SSACC China

Zhejiang Dongxin New Material Technology

Ningbo FLK Technology

Joint Power Shanghai Seals

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

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

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

Chapter 4, the Sintered 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 Sintered 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 Sintered SiC.

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

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