

# Global Silicon Carbide Ceramics Market Research Report 2022 Professional Edition

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## Abstracts

The global Silicon Carbide Ceramics market was valued at 617.13 Million USD in 2021 and will grow with a CAGR of 2.9% from 2021 to 2027, based on HNY Research newly published report.

The prime objective of this report is to provide the insights on the post COVID-19 impact which will help market players in this field evaluate their business approaches. Also, this report covers market segmentation by major market vendors, types, applications/end users and geography(North America, East Asia, Europe, South Asia, Southeast Asia, Middle East, Africa, Oceania, South America).

Silicon Carbide has properties remarkably similar to those of diamond - it is one of the lightest, hardest, and strongest technical ceramic materials and has exceptional thermal conductivity, resistance to acids, and low thermal expansion. Silicon Carbide is an excellent material to use when physical wear is an important consideration because it exhibits good erosion and abrasive resistance, making it useful in a variety of applications such as spray nozzles, shot blast nozzles and cyclone components. The consumption of silicon carbide ceramics mainly concentrates in North America, Europe and Asia-Pacific. Asia-Pacific is the largest consumer, which accounted for about 2/5 in 2019. Europe and North America are the followers, with the share of nearly 29% and 24% respectively. Saint Gobain, Ceramtec, 3M, IBIDEN, Kyocera are the leading manufacturers of the world, these companies occupied 45% of the market in 2019. Among various applications, demand from machinery manufacturing accounts for the largest share with about 31% in 2019 globally. Reaction Bonded Silicon Carbide is the major process in manufacturing of silicon carbide ceramics, which takes share of about 58% of global market in 2019.

By Market Verdors:

Saint Gobain

3M

Ceramtec

IBIDEN

Kyocera

Schunk Ingenieurkeramik

CoorsTek

Morgan

IPS Ceramics

ASUZAC

Chair Man Advanced Ceramics

Ortech

Fraunhofer IKTS

Talentcom Technology

Weifang Huamei

Jinhong New Material

SSACC China

Mingliang Fine Ceramics

Zhida Special Ceramics

## Pengfei Abrasive Resistant Material

### By Types:

Direct Sintered Silicon Carbide

Reaction Bonded Silicon Carbide

Hot Pressing Silicon Carbide

CVD Silicon Carbide

### By Applications:

Machinery Manufacturing

Metallurgical Industry

Chemical Engineering

Aerospace & Defense

### Key Indicators Analysed

**Market Players & Competitor Analysis:** The report covers the key players of the industry including Company Profile, Product Specifications, Production Capacity/Sales, Revenue, Price and Gross Margin 2016-2027 & Sales with a thorough analysis of the market's competitive landscape and detailed information on vendors and comprehensive details of factors that will challenge the growth of major market vendors.

**Global and Regional Market Analysis:** The report includes Global & Regional market status and outlook 2016-2027. Further the report provides break down details about each region & countries covered in the report. Identifying its sales, sales volume & revenue forecast. With detailed analysis by types and applications.

**Market Trends:** Market key trends which include Increased Competition and Continuous Innovations.

Opportunities and Drivers: Identifying the Growing Demands and New Technology

Porters Five Force Analysis: The report provides with the state of competition in industry depending on five basic forces: threat of new entrants, bargaining power of suppliers, bargaining power of buyers, threat of substitute products or services, and existing industry rivalry.

Key Reasons to Purchase

To gain insightful analyses of the market and have comprehensive understanding of the global market and its commercial landscape.

Assess the production processes, major issues, and solutions to mitigate the development risk.

To understand the most affecting driving and restraining forces in the market and its impact in the global market.

Learn about the market strategies that are being adopted by leading respective organizations.

To understand the future outlook and prospects for the market.

Besides the standard structure reports, we also provide custom research according to specific requirements

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