

Global Sintering Silicon Carbide Market Growth 2023-2029

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Abstracts

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Sintering silicon carbide (SiC) is produced by initially mixing fine (sub-micron) and pure silicon carbide powder with non-oxide sintering aids. The powdered material is formed or compacted by using most of the conventional ceramic forming processes such as die pressing, isostatic pressing and injection moulding. Following the forming stage the material is sintered in an inert atmosphere at temperatures above 2000°C. The sintered silicon carbide can then be machined to precise tolerances using a range of precision diamond grinding or lapping techniques. As with most advanced ceramics the cost of the component is reduced if the amount of diamond grinding is reduced i.e. either the material manufacturer can achieve the required tolerances “as sintered” or the designer removes unnecessary tolerances.

LPI (LP Information)' newest research report, the “Sintering Silicon Carbide Industry Forecast” looks at past sales and reviews total world Sintering Silicon Carbide sales in 2022, providing a comprehensive analysis by region and market sector of projected Sintering Silicon Carbide sales for 2023 through 2029. With Sintering Silicon Carbide sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Sintering Silicon Carbide industry.

This Insight Report provides a comprehensive analysis of the global Sintering Silicon Carbide landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Sintering Silicon Carbide portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an

accelerating global Sintering Silicon Carbide market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Sintering Silicon Carbide and breaks down the forecast by type, by application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Sintering Silicon Carbide.

The global Sintering Silicon Carbide market size is projected to grow from US\$ million in 2022 to US\$ million in 2029; it is expected to grow at a CAGR of % from 2023 to 2029.

United States market for Sintering Silicon Carbide is estimated to increase from US\$ million in 2022 to US\$ million by 2029, at a CAGR of % from 2023 through 2029.

China market for Sintering Silicon Carbide is estimated to increase from US\$ million in 2022 to US\$ million by 2029, at a CAGR of % from 2023 through 2029.

Europe market for Sintering Silicon Carbide is estimated to increase from US\$ million in 2022 to US\$ million by 2029, at a CAGR of % from 2023 through 2029.

Global key Sintering Silicon Carbide players cover CoorsTek, Morgan Advanced Materials, Blasch Precision Ceramics, Final Advanced Materials, Saint-Gobain Performance Ceramics & Refractories, Calix Ceramic Solutions, Silcarb, SIMUWU Vacuum Furnace and Merchant Logo, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2022.

This report presents a comprehensive overview, market shares, and growth opportunities of Sintering Silicon Carbide market by product type, application, key manufacturers and key regions and countries.

Market Segmentation:

Segmentation by type

Hot Pressing Sintering

Pressureless Sintering

Reaction Sintering

Recrystallization Sintering

Microwave Sintering

Others

Segmentation by application

Automotive Components

Heat Exchanger Tubes

Mechanical Seals

Bearings

Semiconductor Production

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analyzing the company's coverage, product portfolio, its market penetration.

CoorsTek

Morgan Advanced Materials

Blasch Precision Ceramics

Final Advanced Materials

Saint-Gobain Performance Ceramics & Refractories

Calix Ceramic Solutions

Silcarb

SIMUWU Vacuum Furnace

Merchant Logo

Insaco

International Syalons

Ceramdis

GAB Neumann GmbH

Ortech Ceramics

Key Questions Addressed in this Report

What is the 10-year outlook for the global Sintering Silicon Carbide market?

What factors are driving Sintering Silicon Carbide market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Sintering Silicon Carbide market opportunities vary by end market size?

How does Sintering Silicon Carbide break out type, application?

What are the influences of COVID-19 and Russia-Ukraine war?

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