

# Global Silicon Carbide Wafer Supply, Demand and Key Producers, 2023-2029

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## Abstracts

The global Silicon Carbide Wafer market size is expected to reach \$ 1948.4 million by 2029, rising at a market growth of 14.1% CAGR during the forecast period (2023-2029).

Global key players of silicon carbide wafer include Wolfspeed, Coherent, ROHM Group (SiCrystal), TankeBlue and SICC. The top five players hold a share about 80%. North America is the largest market, has a share about 42%. In terms of product, 6 Inch is the largest segment, with a share over 65%. And in terms of application, the largest application is Power Device, followed by Electronics & Optoelectronics and Wireless Infrastructure.

SiC single crystal wafers have excellent heat resistance and voltage resistance compared to silicon wafers that are widely used for semiconductors. Sic single crystal wafers can remarkably reduce energy loss during electric power control, significantly contributing to the reduction of energy use and environmental stress. They are highly expected as substrate materials for the next-generation.

This report studies the global Silicon Carbide Wafer production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Silicon Carbide Wafer, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of Silicon Carbide Wafer that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Silicon Carbide Wafer total production and demand, 2018-2029, (K Pcs)

Global Silicon Carbide Wafer total production value, 2018-2029, (USD Million)

Global Silicon Carbide Wafer production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (K Pcs)

Global Silicon Carbide Wafer consumption by region & country, CAGR, 2018-2029 & (K Pcs)

U.S. VS China: Silicon Carbide Wafer domestic production, consumption, key domestic manufacturers and share

Global Silicon Carbide Wafer production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (K Pcs)

Global Silicon Carbide Wafer production by Type, production, value, CAGR, 2018-2029, (USD Million) & (K Pcs)

Global Silicon Carbide Wafer production by Application production, value, CAGR, 2018-2029, (USD Million) & (K Pcs).

This reports profiles key players in the global Silicon Carbide Wafer market based on the following parameters – company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Wolfspeed, SK Siltron, ROHM Group (SiCrystal), Coherent, Resonac, STMicroelectronics, TankeBlue, SICC and Hebei Synlight Crystal, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Silicon Carbide Wafer market.

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$

Millions), volume (production, consumption) & (K Pcs) and average price (USD/Pcs) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

#### Global Silicon Carbide Wafer Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

#### Global Silicon Carbide Wafer Market, Segmentation by Type

4 Inch

6 Inch

8 Inch

#### Global Silicon Carbide Wafer Market, Segmentation by Application

Power Device

Electronics & Optoelectronics

Wireless Infrastructure

Others

#### Companies Profiled:

Wolfspeed

SK Siltron

ROHM Group (SiCrystal)

Coherent

Resonac

STMicroelectronics

TankeBlue

SICC

Hebei Synlight Crystal

CETC

San'an Optoelectronics

#### Key Questions Answered

1. How big is the global Silicon Carbide Wafer market?
2. What is the demand of the global Silicon Carbide Wafer market?
3. What is the year over year growth of the global Silicon Carbide Wafer market?
4. What is the production and production value of the global Silicon Carbide Wafer

market?

5. Who are the key producers in the global Silicon Carbide Wafer market?

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