

Global Ceramic Susceptors for Semiconductor Equipment Supply, Demand and Key Producers, 2023-2029

https://marketpublishers.com/r/G4420D126E02EN.html

Date: August 2023 Pages: 113 Price: US\$ 4,480.00 (Single User License) ID: G4420D126E02EN

Abstracts

The global Ceramic Susceptors for Semiconductor Equipment market size is expected to reach \$ 35 million by 2029, rising at a market growth of 14.0% CAGR during the forecast period (2023-2029).

Semiconductor manufacturing equipment is a medium tool for achieving semiconductor manufacturing processes, playing an important role in all aspects. According to SEMI, worldwide sales of semiconductor manufacturing equipment increased 5% from \$102.6 billion in 2021 to an all-time record of \$107.6 billion in 2022.

In recent years, the localization process of China's semiconductor industry has further accelerated, and the performance of semiconductor equipment is more flexible than the overall industry. The localization of semiconductor equipment is ushering in a golden wave, and domestic semiconductor equipment is facing more opportunities for verification and trial use, technical cooperation, and import substitution. For the third consecutive year, China remained the largest semiconductor equipment market in 2022 despite a 5% slowdown in the pace of investments in the region year over year, accounting for \$28.3 billion in billings.

The record high for semiconductor manufacturing equipment sales in 2022 stems from the industry's drive to add the fab capacity required to support long-term growth and innovations in key end markets including high-performance computing and automotive. Additionally, the results reflect investments and determination across regions to avoid future semiconductor supply chain constraints like those that surfaced during the pandemic.



Susceptors hold and heat semiconductor wafers during thermal processing. A susceptor is made of a material which absorbs energy by induction, conduction, and/or radiation and heats the wafer. Its thermal shock resistance, thermal conductivity, and purity are critical to rapid thermal processing (RTP). Silicon carbide coated graphite, silicon carbide (SiC), and silicon (Si) are commonly used for susceptors depending on the specific thermal and chemical environment.

This report studies the global Ceramic Susceptors for Semiconductor Equipment production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Ceramic Susceptors for Semiconductor Equipment, 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 Ceramic Susceptors for Semiconductor Equipment that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Ceramic Susceptors for Semiconductor Equipment total production and demand, 2018-2029, (Pieces)

Global Ceramic Susceptors for Semiconductor Equipment total production value, 2018-2029, (USD Million)

Global Ceramic Susceptors for Semiconductor Equipment production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (Pieces)

Global Ceramic Susceptors for Semiconductor Equipment consumption by region & country, CAGR, 2018-2029 & (Pieces)

U.S. VS China: Ceramic Susceptors for Semiconductor Equipment domestic production, consumption, key domestic manufacturers and share

Global Ceramic Susceptors for Semiconductor Equipment production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (Pieces)

Global Ceramic Susceptors for Semiconductor Equipment production by Type, production, value, CAGR, 2018-2029, (USD Million) & (Pieces)



Global Ceramic Susceptors for Semiconductor Equipment production by Application production, value, CAGR, 2018-2029, (USD Million) & (Pieces).

This reports profiles key players in the global Ceramic Susceptors for Semiconductor Equipment 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 Coorstek, Duratek Technology Co., Ltd., Schunk Xycarb Technology, Morgan Advanced Materials, Tokai Carbon, Momentive Technologies, TOYO TANSO, SGL Carbon and Ningbo HIPER Technologies, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Ceramic Susceptors for Semiconductor Equipment market.

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Pieces) and average price (US\$/Piece) 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 Ceramic Susceptors for Semiconductor Equipment Market, By Region:

United States China Europe Japan South Korea

Global Ceramic Susceptors for Semiconductor Equipment Supply, Demand and Key Producers, 2023-2029



India

Rest of World

Global Ceramic Susceptors for Semiconductor Equipment Market, Segmentation by Type

Graphite Susceptors (SiC Coated, TaC Coated)

Silicon Carbide (SiC) Susceptors

Silicon (Si) Susceptors

Global Ceramic Susceptors for Semiconductor Equipment Market, Segmentation by Application

SiC Epitaxy and Single Crystal Growth

Si (silicon) Epitaxial Growth Processing

Companies Profiled:

Coorstek

Duratek Technology Co., Ltd.

Schunk Xycarb Technology

Morgan Advanced Materials

Tokai Carbon

Momentive Technologies

TOYO TANSO

Global Ceramic Susceptors for Semiconductor Equipment Supply, Demand and Key Producers, 2023-2029



SGL Carbon

Ningbo HIPER Technologies

Hunan Xingsheng

LIUFANG TECH

Shenzhen Zhicheng Semiconductor Materials

Key Questions Answered

1. How big is the global Ceramic Susceptors for Semiconductor Equipment market?

2. What is the demand of the global Ceramic Susceptors for Semiconductor Equipment market?

3. What is the year over year growth of the global Ceramic Susceptors for Semiconductor Equipment market?

4. What is the production and production value of the global Ceramic Susceptors for Semiconductor Equipment market?

5. Who are the key producers in the global Ceramic Susceptors for Semiconductor Equipment market?

6. What are the growth factors driving the market demand?



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