

Global SiC Thermal Process Equipment Market Growth 2026-2032

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Abstracts

The global SiC Thermal Process Equipment market size is predicted to grow from US\$ 275 million in 2025 to US\$ 914 million in 2032; it is expected to grow at a CAGR of 19.1% from 2026 to 2032.

Thermal Process Equipment plays a core role in the processing of silicon carbide materials. They are particularly suitable for key heat treatment steps such as sintering, oxidation and annealing of silicon carbide. For example, a high-temperature vertical oxidation furnace can accurately generate a layer of oxide film on the surface of silicon carbide, which is crucial to improving the overall performance and reliability of silicon carbide devices. The constant high-temperature environment created by the vertical furnace provides a strong guarantee for the smooth progress of the oxidation reaction.

United States market for SiC Thermal Process Equipment is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for SiC Thermal Process Equipment is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for SiC Thermal Process Equipment is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key SiC Thermal Process Equipment players cover JTEKT Thermo Systems, Centrotherm, Tystar Corporation, Toyoko Kagaku, CETC-48, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

LP Information, Inc. (LPI) ' newest research report, the ?SiC Thermal Process

Equipment Industry Forecast? looks at past sales and reviews total world SiC Thermal Process Equipment sales in 2025, providing a comprehensive analysis by region and market sector of projected SiC Thermal Process Equipment sales for 2026 through 2032. With SiC Thermal Process Equipment sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world SiC Thermal Process Equipment industry.

This Insight Report provides a comprehensive analysis of the global SiC Thermal Process Equipment 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 SiC Thermal Process Equipment portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global SiC Thermal Process Equipment market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for SiC Thermal Process Equipment 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 SiC Thermal Process Equipment.

This report presents a comprehensive overview, market shares, and growth opportunities of SiC Thermal Process Equipment market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

SiC High Temperature Oxidation Furnace

SiC Annealing and RTP

Segmentation by Application:

SiC Power Device

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 analysing the company's coverage, product portfolio, its market penetration.

JTEKT Thermo Systems

Centrotherm

Tystar Corporation

Toyoko Kagaku

CETC-48

AMAT

NAURA

Shenzhen S.C New Energy Technology

Shandong Leguan

LAPLACE-SEMI

Qingdao Huaqi Technology

Sunred Electronic Equipment

Hunan Exwell Semiconductor

Mattson (Beijing E-Town)

ULVAC

Sumitomo Heavy Industries

Annealsys

Chengdu LasTop Technology

Larcomse Equipment (Shanghai)

Kokusai Electric

Wuxi Yiwen Electronic Technology

Key Questions Addressed in this Report

What is the 10-year outlook for the global SiC Thermal Process Equipment market?

What factors are driving SiC Thermal Process Equipment market growth, globally and by region?

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

How do SiC Thermal Process Equipment market opportunities vary by end market size?

How does SiC Thermal Process Equipment break out by Type, by Application?

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