

# Global SiC Etching Equipment Market Growth 2024-2030

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## Abstracts

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Etching SiC is a particularly challenging process since the material has a hardness approaching that of diamond. It also has a very stable chemical structure. SiC is more difficult to dry etch than some other compound layers e.g. GaAs, AlGaAs, InP, which can be etched in a conventional inductively coupled plasma (ICP) system.

This report studies the etching system for SiC devices.

The global SiC Etching Equipment market size is projected to grow from US\$ 247 million in 2024 to US\$ 713 million in 2030; it is expected to grow at a CAGR of 19.3% from 2024 to 2030.

LP Information, Inc. (LPI) ' newest research report, the "SiC Etching Equipment Industry Forecast" looks at past sales and reviews total world SiC Etching Equipment sales in 2023, providing a comprehensive analysis by region and market sector of projected SiC Etching Equipment sales for 2024 through 2030. With SiC Etching Equipment sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world SiC Etching Equipment industry.

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

accelerating global SiC Etching Equipment market.

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

United States market for SiC Etching Equipment is estimated to increase from US\$ million in 2023 to US\$ million by 2030, at a CAGR of % from 2024 through 2030.

China market for SiC Etching Equipment is estimated to increase from US\$ million in 2023 to US\$ million by 2030, at a CAGR of % from 2024 through 2030.

Europe market for SiC Etching Equipment is estimated to increase from US\$ million in 2023 to US\$ million by 2030, at a CAGR of % from 2024 through 2030.

Global key SiC Etching Equipment players cover SPTS Technologies, Tokyo Electron Ltd (TEL), Applied Materials, Lam Research, Mattson Technology, Inc., etc. In terms of revenue, the global two largest companies occupied for a share nearly

% in 2023.

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

Segmentation by Type:

SiC ICP Etching Equipment

SiC CCP Etching Equipment

Segmentation by Application:

SiC Power Devices

## GaN-on-SiC RF Devices

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.

SPTS Technologies

Tokyo Electron Ltd (TEL)

Applied Materials

Lam Research

Mattson Technology, Inc.

Trymax Semiconductor

Tokyo Electron Ltd (TEL)

Oxford Instruments

Shanghai Weiyun Semiconductor Technology

Key Questions Addressed in this Report

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

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

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

How do SiC Etching Equipment market opportunities vary by end market size?

How does SiC Etching Equipment break out by Type, by Application?

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