

Global CVD SiC Coating Equipment Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global CVD SiC Coating Equipment market size was valued at US\$ 593 million in 2025 and is forecast to a readjusted size of US\$ 1038 million by 2032 with a CAGR of 9.0% during review period.

In 2025, global output of CVD SiC coating equipment reached 180 units, with an average selling price of 3.2 million USD per unit, total production capacity of 220 units, and a gross margin of 38%.

CVD SiC Coating Equipment is a specialized process tool that applies chemical vapor deposition (CVD) technology to deposit high-purity silicon carbide (SiC) coatings onto graphite or carbon-based substrates. It is primarily used for manufacturing and refurbishing critical functional components such as focus rings, edge rings, shield rings, and chamber liners in semiconductor fabrication equipment. By enabling dense and uniform SiC coatings under high-temperature, controlled-atmosphere conditions, this equipment significantly enhances plasma resistance, thermal stability, and chemical durability, making it a key process tool in advanced etching and deposition equipment supply chains.

From a value chain perspective, upstream segments mainly include suppliers of high-temperature reactor materials, graphite and carbon-based structural components, heating systems, vacuum systems, gas delivery and control components, and process control software. The midstream consists of CVD SiC coating equipment manufacturers responsible for system integration, process design, and equipment delivery. Downstream customers are primarily semiconductor equipment component manufacturers and refurbishment service providers, advanced semiconductor fabs, and

specialized suppliers of critical consumables and functional parts for etching and deposition tools.

This report is a detailed and comprehensive analysis for global CVD SiC Coating Equipment market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global CVD SiC Coating Equipment market size and forecasts, in consumption value (\$ Million), sales quantity (Units), and average selling prices (K US\$/Unit), 2021-2032

Global CVD SiC Coating Equipment market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Units), and average selling prices (K US\$/Unit), 2021-2032

Global CVD SiC Coating Equipment market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Units), and average selling prices (K US\$/Unit), 2021-2032

Global CVD SiC Coating Equipment market shares of main players, shipments in revenue (\$ Million), sales quantity (Units), and ASP (K US\$/Unit), 2021-2026

The Primary Objectives in This Report Are:

- To determine the size of the total market opportunity of global and key countries
- To assess the growth potential for CVD SiC Coating Equipment
- To forecast future growth in each product and end-use market
- To assess competitive factors affecting the marketplace

This report profiles key players in the global CVD SiC Coating Equipment market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include CVD Equipment Corporation, Veeco, Tokyo Electron Limited (TEL), Thermoc Edge Limited, Applied Materials, etc.

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

Market Segmentation

CVD SiC Coating Equipment market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Single-chamber

Double-chamber

Market segment by Application Object

SiC Coating Equipment for Functional Components (Ring / Focus Ring)

SiC Coating Equipment for Chamber Liners and Internal Parts

Market segment by Production Scale / Usage Scenario

R&D and Pilot-scale CVD SiC Coating Equipment

Mass Production CVD SiC Coating Equipment

Market segment by Automation Level

Semi-automatic CVD SiC Coating Equipment

Fully Automatic CVD SiC Coating Equipment

Market segment by Application

Plasma Etching Chamber and Focus Ring

PECVD and HDPCVD Chambers

Ion Implantation Equipments

Epitaxial Reactor Components

Others

Major players covered

CVD Equipment Corporation

Veeco

Tokyo Electron Limited (TEL)

Thermoc Edge Limited

Applied Materials

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe CVD SiC Coating Equipment product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of CVD SiC Coating Equipment, with price, sales quantity, revenue, and global market share of CVD SiC Coating Equipment from

2021 to 2026.

Chapter 3, the CVD SiC Coating Equipment competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the CVD SiC Coating Equipment breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and CVD SiC Coating Equipment market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of CVD SiC Coating Equipment.

Chapter 14 and 15, to describe CVD SiC Coating Equipment sales channel, distributors, customers, research findings and conclusion.

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