

Global Semiconductor Plasma Cleaner 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 Semiconductor Plasma Cleaner market size was valued at US\$ 1214 million in 2025 and is forecast to a readjusted size of US\$ 2266 million by 2032 with a CAGR of 9.4% during review period.

In 2025, global Semiconductor Plasma Cleaner production reached approximately 4,000 units, with an average global market price of around USD 295,000 per unit.

The gross profit margin of major companies in the industry is between 42%-58%.

In 2025, the global production capacity of Semiconductor Plasma Cleaner was approximately 5,300 units.

Semiconductor Plasma Cleaner is a semiconductor manufacturing equipment used to remove organic residues, particles, photoresist residues, and surface contaminants from wafers or semiconductor components through plasma-based cleaning technology. The equipment improves surface cleanliness, enhances bonding performance, and supports advanced semiconductor manufacturing processes. It is widely used in wafer fabrication, advanced packaging, MEMS, compound semiconductor, and power semiconductor production. The product scope includes standalone and integrated plasma cleaning equipment while excluding wet chemical cleaning systems and general industrial plasma treatment equipment.

The industry chain includes upstream suppliers of vacuum chambers, RF power systems, gas delivery modules, vacuum pumps, precision control components, and electronic parts. Midstream covers equipment design, process development, assembly,

calibration, and testing. Downstream applications include wafer manufacturing, advanced packaging, power semiconductor production, MEMS fabrication, and research laboratories requiring high cleanliness and process reliability.

This report is a detailed and comprehensive analysis for global Semiconductor Plasma Cleaner 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 Semiconductor Plasma Cleaner market size and forecasts, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2021-2032

Global Semiconductor Plasma Cleaner market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2021-2032

Global Semiconductor Plasma Cleaner market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2021-2032

Global Semiconductor Plasma Cleaner market shares of main players, shipments in revenue (\$ Million), sales quantity (Units), and ASP (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 Semiconductor Plasma Cleaner

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 Semiconductor Plasma Cleaner 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 Nordson MARCH, Plasma Etch, Inc., PVA TePla AG, Diener Electronic GmbH + Co. KG, Samco Inc., Shinko Seiki Co., Ltd., GigaLane Co., Ltd., PSK Inc., Plasma-Therm LLC, SENTECH Instruments GmbH, etc.

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

Market Segmentation

Semiconductor Plasma Cleaner 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

ICP Plasma

CCP Plasma

Microwave Plasma

Market segment by Cleaning Process

Dry Cleaning

Reactive Plasma Cleaning

Surface Activation

Market segment by Wafer Size Compatibility

≥200 mm

300 mm

≥450 mm

Market segment by Application

Foundries

IDM Manufacturers

OSAT Companies

Other

Major players covered

Nordson MARCH

Plasma Etch, Inc.

PVA TePla AG

Diener Electronic GmbH + Co. KG

Samco Inc.

Shinko Seiki Co., Ltd.

GigaLane Co., Ltd.

PSK Inc.

Plasma-Therm LLC

SENTECH Instruments GmbH

Shenyang Piotech Inc.

Kingsemi Co., Ltd.

Shenzhen SMIC Plasma technology Co., Ltd.

Beijing Sanyuan Huachuang Technology Co., Ltd.

Shanghai GrandTek Semiconductor Technology Co., Ltd.

Chroma Ate Inc.

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 Semiconductor Plasma Cleaner product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Semiconductor Plasma Cleaner, with price, sales quantity, revenue, and global market share of Semiconductor Plasma Cleaner from 2021 to 2026.

Chapter 3, the Semiconductor Plasma Cleaner competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Semiconductor Plasma Cleaner 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 Semiconductor Plasma Cleaner 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 Semiconductor Plasma Cleaner.

Chapter 14 and 15, to describe Semiconductor Plasma Cleaner sales channel, distributors, customers, research findings and conclusion.

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