

Global Semiconductor Wafer Dry Etching Equipment Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global Semiconductor Wafer Dry Etching Equipment market size was valued at US\$ 21220 million in 2024 and is forecast to a readjusted size of USD 34260 million by 2031 with a CAGR of 7.2% during review period.

Semiconductor wafer dry etching equipment is a type of manufacturing tool used in the semiconductor industry for the process of etching or removing material from the surface of semiconductor wafers. Etching is a critical step in semiconductor device fabrication, allowing precise patterning of features on the wafer surface. Dry etching, as opposed to wet etching, involves using plasma or reactive gases to chemically or physically remove material from the wafer surface.

According to our Semiconductor Research Center, in 2022, the global semiconductor equipment was valued at US\$ 109 billion. China mainland, China Taiwan and South Korea have a combined market share over 70%. North America, Europe and Japan, have a combined market share of 23%. The key drivers are high performance computing, AI, cloud computing, Servers, 5G and EV (electric vehicle), etc.

This report is a detailed and comprehensive analysis for global Semiconductor Wafer Dry Etching 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 Semiconductor Wafer Dry Etching Equipment market size and forecasts, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2020-2031

Global Semiconductor Wafer Dry Etching Equipment market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2020-2031

Global Semiconductor Wafer Dry Etching Equipment market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2020-2031

Global Semiconductor Wafer Dry Etching Equipment market shares of main players, shipments in revenue (\$ Million), sales quantity (Units), and ASP (US\$/Unit), 2020-2025

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 Wafer Dry Etching Equipment
To forecast future growth in each product and end-use market
To forecast future factors affecting the marketplace

This report profiles key players in the global Semiconductor Wafer Dry Etching 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 Lam Research, Tokyo Electron Limited, Applied Materials, Hitachi High-Tech, SEMES, AMEC, NAURA, SPTS Technologies (KLA), Oxford Instruments, ULVAC, etc.

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

Market Segmentation

Semiconductor Wafer Dry Etching Equipment market is split by Type and by Application. For the period 2020-2031, 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

Inductively Coupled Plasma (ICP)

Capacitive Coupled Plasma (CCP)

Reactive Ion Etching (RIE)

Deep Reactive Ion Etching (DRIE)

Others

Market segment by Application

300 mm Wafer

200 mm Wafer

Others

Major players covered

Lam Research

Tokyo Electron Limited

Applied Materials

Hitachi High-Tech

SEMES

AMEC

NAURA

SPTS Technologies (KLA)

Oxford Instruments

ULVAC

Plasma-Therm

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 Wafer Dry Etching Equipment product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Semiconductor Wafer Dry Etching Equipment, with price, sales quantity, revenue, and global market share of Semiconductor Wafer Dry Etching Equipment from 2020 to 2025.

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

Chapter 4, the Semiconductor Wafer Dry Etching Equipment breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

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 2020 to 2031.

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 2020 to 2025. and Semiconductor Wafer Dry Etching Equipment market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

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 Wafer Dry Etching Equipment.

Chapter 14 and 15, to describe Semiconductor Wafer Dry Etching Equipment sales channel, distributors, customers, research findings and conclusion.

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