

Global Semiconductor 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 Etching Equipment market size was valued at US\$ 22300 million in 2024 and is forecast to a readjusted size of USD 31020 million by 2031 with a CAGR of 4.9% during review period.

Etching is a process in which layers from the surface of a wafer are removed using chemicals. An etch system shapes the thin film into a desired patterns using liquid chemicals, reaction gases or ion chemical reaction. An etch system is used in manufacturing lines for semiconductors and other electronic devices. Semiconductor etch equipment is used copiously in various semiconductor fabrication processes. Among the different types of semiconductor etch equipment available in the market, dry etch equipment held the largest etch equipment market share in 2016 both in terms of revenue and volume. Reduced material consumption coupled with low cost associated with disposing the materials. However, the wet etching equipment is anticipated to experience the fastest growth rate both in terms of value and volume owing to its higher adoption rate in wafer manufacturing process due to its high etching rate and ease of operation. By equipment type the semiconductor etch equipment can be bifurcated into dry etching equipment, and wet etching equipment. The semiconductor etch equipment market size can be further segmented by etching film type into conductor etching process, & dielectric etching process, and polysilicon etching process). The market has several application areas such as logic and memory, MEMS (Micro-Electro-Mechanical Systems), power device, RFID (Radio-Frequency Identification), and CMOS image sensors.

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 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 Etching Equipment market size and forecasts, in consumption value (\$ Million), sales quantity (Units), and average selling prices (USD/Unit), 2020-2031

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

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

Global Semiconductor Etching Equipment market shares of main players, shipments in revenue (\$ Million), sales quantity (Units), and ASP (USD/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 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 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, TEL, Applied Materials, Hitachi High-Tech, SEMES, Advanced Micro, KLA, NAURA, ULVAC, SPTS Technologies, etc.

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

Market Segmentation

Semiconductor 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

Dry Etching Equipment

Wet Etching Equipment

Market segment by Application

Logic and Memory

MEMS

Power Device

Others

Major players covered

Lam Research

TEL

Applied Materials

Hitachi High-Tech

SEMES

Advanced Micro

KLA

NAURA

ULVAC

SPTS Technologies

Plasma-Therm

GigaLane

Oxford Instruments

Beijing E-Town

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

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

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

Chapter 4, the Semiconductor 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 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 Etching Equipment.

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

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