

Global Metal and Hard Mask Etch System Market Research Report 2024(Status and Outlook)

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Abstracts

Report Overview

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.

The global Metal and Hard Mask Etch System market size is projected to reach US\$ 2278.75 Million by 2028, from US\$ 1286.58 million in 2021, at a CAGR of 8.35% during 2022-2028. The continuous advancement of the process and the increasingly complex design structure The continuous advancement of the process and the increasing complexity of the design structure are the core logics driving the etching equipment market. The electronics industry has always had the logic of looking at the upstream from the downstream, and the upstream and downstream linkage effects are significant. With the continuous advancement of the process and the innovation of the design structure, the chip manufacturing process has continued to develop. On the one hand, the difficulty of etching has increased, which has promoted the iteration of etching equipment; on the other hand, the increase in etching steps has driven the demand for etching equipment.

In addition, the huge investment proportion of etching equipment in semiconductor equipment, the rapid rise of new applications and new markets and the Chinese government's strong support for the semiconductor industry will become important for the development of Metal and Hard Mask Etch System Market driving force.

Challenges posed by pandemics and natural disasters, geographical effects of the US China Trade War, raw material prices continue to risk, and key materials are in the

hands of a few countries, plus the new demand of the terminal application market is not yet clear, which will hinder the development of the Metal and Hard Mask Match System Market.

According to the type, Metal and Hard Mask Etch can be mainly divided into three categories: Metal Etch, Dielectric Hard Mask Etch and Metal Hard Mask Etch. During 2017-2021, Metal Etch and Dielectric Hard Mask Etch accounted for the major share of the market. In 2021, the market share of Dielectric Hard Mask Etch is 47.18%, slightly higher than Metal Etch's 40.63% market share. Correspondingly, Metal Hard Mask Etch has a market share of 12.19%. During the forecast period 2022-2028, we estimate that Metal Hard Mask Etch will grow at the fastest CAGR at 9.71%.

In terms of application scenarios, Metal and Hard Mask Etch System is mainly divided into Front End of Line (FEOL) and Back End of Line (BEOL). From 2017 to 2021, the Front End of Line (FEOL) market dominated the entire market, Its market share will account for 75.46% of the total market size in 2021. During the forecast period of 2022-2028, we estimate that the market size of Front End of Line (FEOL) and Back End of Line (BEOL) will grow at a high CAGR of 10.49% and 11.69%, respectively.

On basis of geography, the Metal and Hard Mask Etch System market is segmented into North America, Europe, Asia-Pacific, South America, Middle East and Africa, etc. Among them, the Asia-Pacific market dominates the entire Metal and Hard Mask Etch market. In 2021, the Asia-Pacific market will account for 63.40% of the entire market size, much higher than the level of other markets. During the forecast period of 2022-2028, the Asia-Pacific market size will still grow at the highest growth rate with a CAGR of 10.63%.

At present, the Metal and Hard Mask Etch System market is a relatively concentrated market with long competition. In 2021, the CR5 of the Metal and Hard Mask Etch System market is 80.44%, and the HHI is 31.75%, both of which have reached a high level. At the same time, both indicators have achieved greater growth compared to 2020, which shows that the Metal and Hard Mask Etch System market is still in a trend of increasing market concentration. Key players in the market include Lam Research, Tokyo Electron, Applied Materials, Hitachi High-tech, NAURA Technology Group, Oxford Instruments, Ulvac, SPTS Technologies Ltd., AMEC, Samco and Plasma Therm.

This report provides a deep insight into the global Metal and Hard Mask Etch System market covering all its essential aspects. This ranges from a macro overview of the

market to micro details of the market size, competitive landscape, development trend, niche market, key market drivers and challenges, SWOT analysis, value chain analysis, etc.

The analysis helps the reader to shape the competition within the industries and strategies for the competitive environment to enhance the potential profit. Furthermore, it provides a simple framework for evaluating and accessing the position of the business organization. The report structure also focuses on the competitive landscape of the Global Metal and Hard Mask Etch System Market, this report introduces in detail the market share, market performance, product situation, operation situation, etc. of the main players, which helps the readers in the industry to identify the main competitors and deeply understand the competition pattern of the market.

In a word, this report is a must-read for industry players, investors, researchers, consultants, business strategists, and all those who have any kind of stake or are planning to foray into the Metal and Hard Mask Etch System market in any manner.

Global Metal and Hard Mask Etch System Market: Market Segmentation Analysis

The research report includes specific segments by region (country), manufacturers, Type, and Application. Market segmentation creates subsets of a market based on product type, end-user or application, Geographic, and other factors. By understanding the market segments, the decision-maker can leverage this targeting in the product, sales, and marketing strategies. Market segments can power your product development cycles by informing how you create product offerings for different segments.

Key Company

Lam Research

Tokyo Electron

Applied Materials

Hitachi High-tech

NAURA Technology Group

Oxford Instruments

Ulvac

SPTS Technologies Ltd.

AMEC

Samco

Plasma Therm

Market Segmentation (by Type)

Metal Etch

Dielectric Hard Mask Etch

Metal Hard Mask Etch

Market Segmentation (by Application)

Front End of Line (FEOL)

Back End of Line (BEOL)

Others

Geographic Segmentation

North America (USA, Canada, Mexico)

Europe (Germany, UK, France, Russia, Italy, Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Rest of Asia-Pacific)

South America (Brazil, Argentina, Columbia, Rest of South America)

The Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria, South Africa,

Rest of MEA)

Key Benefits of This Market Research:

Industry drivers, restraints, and opportunities covered in the study

Neutral perspective on the market performance

Recent industry trends and developments

Competitive landscape & strategies of key players

Potential & niche segments and regions exhibiting promising growth covered

Historical, current, and projected market size, in terms of value

In-depth analysis of the Metal and Hard Mask Etch System Market

Overview of the regional outlook of the Metal and Hard Mask Etch System Market:

Key Reasons to Buy this Report:

Access to date statistics compiled by our researchers. These provide you with historical and forecast data, which is analyzed to tell you why your market is set to change

This enables you to anticipate market changes to remain ahead of your competitors

You will be able to copy data from the Excel spreadsheet straight into your marketing plans, business presentations, or other strategic documents

The concise analysis, clear graph, and table format will enable you to pinpoint the information you require quickly

Provision of market value (USD Billion) data for each segment and sub-segment

Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each region

Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry concerning recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market from various perspectives through Porter's five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market in the years to come

6-month post-sales analyst support

Customization of the Report

In case of any queries or customization requirements, please connect with our sales team, who will ensure that your requirements are met.

Chapter Outline

Chapter 1 mainly introduces the statistical scope of the report, market division standards, and market research methods.

Chapter 2 is an executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the Metal and Hard Mask Etch System Market and its likely evolution in the short to mid-term, and long term.

Chapter 3 makes a detailed analysis of the market's competitive landscape of the market and provides the market share, capacity, output, price, latest development plan, merger, and acquisition information of the main manufacturers in the market.

Chapter 4 is the analysis of the whole market industrial chain, including the upstream and downstream of the industry, as well as Porter's five forces analysis.

Chapter 5 introduces the latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 6 provides the analysis of various market segments according to product types, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 7 provides the analysis of various market segments according to application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 8 provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and capacity of each country in the world.

Chapter 9 introduces the basic situation of the main companies in the market in detail, including product sales revenue, sales volume, price, gross profit margin, market share, product introduction, recent development, etc.

Chapter 10 provides a quantitative analysis of the market size and development potential of each region in the next five years.

Chapter 11 provides a quantitative analysis of the market size and development potential of each market segment (product type and application) in the next five years.

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