

# Global Metal and Hard Mask Etch System Competitive Landscape Professional Research Report 2025

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## Abstracts

### Market Overview

According to DIResearch's in-depth investigation and research, the global Metal and Hard Mask Etch System market size will reach 1,996.81 Million USD in 2025 and is projected to reach 4,700.62 Million USD by 2032, with a CAGR of 13.01% (2025-2032). Notably, the China Metal and Hard Mask Etch System market has changed rapidly in the past few years. By 2025, China's market size is expected to be Million USD, representing approximately % of the global market share.

### Research Summary

A metal and hard mask etch system is a specialized equipment used in semiconductor manufacturing and microfabrication processes. It is designed to selectively remove or etch specific layers of metal and hard materials on substrates such as silicon wafers. The system typically utilizes a combination of chemical etchants, plasma, and reactive gases to achieve precise and controlled etching of materials. Metal etching is commonly employed in the fabrication of integrated circuits (ICs) to define interconnects, metal contacts, and other metal features. Hard mask etching involves etching a protective layer, known as a hard mask, that is used to define patterns and protect underlying layers during the etching process. The metal and hard mask etch system enables high-definition patterning, fine feature resolution, and etching with high selectivity and accuracy. It is a critical tool in semiconductor manufacturing, allowing for the precise fabrication of integrated circuits and other microdevices.

The major global manufacturers of Metal and Hard Mask Etch System include Lam Research, Applied Materials, Hitachi High-tech, Tokyo Electron, Oxford Instruments,

NAURA Technology Group, SPTS Technologies Ltd., AMEC, Ulvac, Plasma Therm, Samco, etc. The global players competition landscape in this report is divided into three tiers. The first tier comprises global leading enterprises that command a substantial market share, hold a dominant industry position, possess strong competitiveness and influence, and generate significant revenue. The second tier includes companies with a notable market presence and reputation; these firms actively follow industry leaders in product, service, or technological innovation and maintain a moderate revenue scale. The third tier consists of smaller companies with limited market share and lower brand recognition, primarily focused on local markets and generating comparatively lower revenue.

This report studies the market size, price trends and future development prospects of Metal and Hard Mask Etch System. Focus on analysing the market share, product portfolio, prices, sales, revenue and gross profit margin of global major manufacturers, as well as the market status and trends of different product types and applications in the global Metal and Hard Mask Etch System market. The report data covers historical data from 2020 to 2024, based year in 2025 and forecast data from 2026 to 2032.

The regions and countries in the report include North America, Europe, China, APAC (excl. China), Latin America and Middle East and Africa, covering the Metal and Hard Mask Etch System market conditions and future development trends of key regions and countries, combined with industry-related policies and the latest technological developments, analyze the development characteristics of Metal and Hard Mask Etch System industries in various regions and countries, help companies understand the development characteristics of each region, help companies formulate business strategies, and achieve the ultimate goal of the company's global development strategy.

The data sources of this report mainly include the National Bureau of Statistics, customs databases, industry associations, corporate financial reports, third-party databases, etc. Among them, macroeconomic data mainly comes from the National Bureau of Statistics, International Economic Research Organization; industry statistical data mainly come from industry associations; company data mainly comes from interviews, public information collection, third-party reliable databases, and price data mainly comes from various markets monitoring database.

Global Key Manufacturers of Metal and Hard Mask Etch System Include:

Lam Research

Applied Materials

Hitachi High-tech

Tokyo Electron

Oxford Instruments

NAURA Technology Group

SPTS Technologies Ltd.

AMEC

Ulvac

Plasma Therm

Samco

Metal and Hard Mask Etch System Product Segment Include:

Silicon Etch Equipment

Dielectric Etch Equipment

Metal Etch Equipment

Hard Mask Etch Equipment

Metal and Hard Mask Etch System Product Application Include:

Front End of Line (FEOL)

Back End of Line (BEOL)

## Chapter Scope

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