

Research Report on China's Etching Machine Import 2023-2032

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Abstracts

Etching is the process of removing the film layer that is not masked by resist to obtain the exact same pattern on the film as on the resist film, and is one of the pre-processes for IC manufacturing. The etching process is mainly divided into Dry Etching and Wet Etching, with Dry Etching occupying the mainstream position in semiconductor etching.

Etching machine is an important semiconductor processing equipment. Since the technology level of etching machines produced by local Chinese companies is limited, China needs to import a large number of etching machines every year.

In 2021, China imported 2,926 units of etching machines, up 51.76% year-on-year, with an import value of US\$5.567 billion, up 82.38% year-on-year. According to CRI's analysis, from January to October 2022, China imported 1,958 etching machines, down 20.18% year-on-year, with an import value of US\$4,002 million, down 15.14% year-on-year.

CRI analyzes that from 2018-2022, the average import price of etching machines in China shows an overall change of decrease followed by increase. In 2019, the average import price of etching machines in China decreased from US\$1,581,600 per unit to US\$1,321,000 per unit, down 17.67% y-o-y. From 2019-2022, the average import price of etching machines in China increased continuously.

In 2021, the average price of China's etching machine imports was US\$1.928 million per unit, up 20.17% y-o-y. From January to October 2022, the average price of China's etching machine imports was US\$2.040 million per unit, up 6.31% y-o-y.

The main types of semiconductor etching machines imported into China are plasma dry

etching machines (Plasma Dry Etching) and other etching and stripping equipment. In 2021, China imported 1,945 units of plasma dry etching machines, accounting for 66.47% of total etching machine imports with an import value of US\$4.289 billion, accounting for 77.03% of the total import value.

In 2021, China imports etching machines from 13 countries and regions worldwide. CRI analyzes that the U.S., Japan, South Korea, Taiwan, Germany, and Singapore are the major sources of etching machine imports into China by import volume. Among them, the U.S. is the largest source of etching machine imports in China. In 2021, China imports 792 etching machines from the U.S., accounting for 27.07% of the total import volume with an import value of US\$1.494 billion, accounting for 26.83% of the total import value.

CRI expects that in the short term it will be difficult for China's locally manufactured etchers and other semiconductor equipment to cover all the needs of Chinese chip companies, so China's etching machine imports are expected to continue to rise in the 2023-2032 period.

Topics covered:

China's Etching Machine Import Status and Major Sources in 2018-2022

What is the Impact of COVID-19 on China's Etching Machine Import?

Which Companies are the Major Players in China's Etching Machine Import Market and What are their Competitive Benchmarks?

Key Drivers and Market Opportunities in China's Etching Machine Import

What are the Key Drivers, Challenges, and Opportunities for China's Etching Machine Import during 2023-2032?

What is the Expected Revenue of China's Etching Machine Import during 2023-2032?

What are the Strategies Adopted by the Key Players in the Market to Increase Their Market Share in the Industry?

What are the Competitive Advantages of the Major Players in China's Etching

Machine Import Market?

Which Segment of China's Etching Machine Import is Expected to Dominate the Market in 2032?

What are the Major Adverse Factors Facing China's Etching Machine Import?

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