

# Research Report on China's Lithography Machine Import 2023-2032

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## Abstracts

Photolithography is the most critical technology in chip manufacturing, which determines the precision of semiconductor lines as well as the power consumption and performance of the chip. Lithography is the core equipment in chip manufacturing. Due to the difficulty of developing lithography machines, the lithography machines used in China's chip manufacturing industry are heavily dependent on imports.

In 2021, China imported 406 units of lithography machines, up 69.87% year-on-year, with an import value of US\$1.141 billion, down 38.47% year-on-year. According to CRI analysis, from January to October 2022, China imported 271 units of lithography machines, down 20.76% year-on-year, with an import value of US\$1.237 billion, up 49.72% year-on-year.

From 2018 to October 2022, the average price of China's lithography machine imports fluctuates widely. From 2018 to 2020, the average price of China's lithography machine imports grows continuously, from US\$4,356,000 per unit in 2018 to US\$7,761,100 per unit in 2020. According to CRI analysis, in 2021, the average price of China's lithography imports plummeted to US\$281.11 per unit, down 63.78% y-o-y. From January to October 2022, the average price of China's photolithography imports increased 88.95% y-o-y to US\$456.56 per unit.

In 2021, China imported lithography machines from a total of 11 countries and regions. CRI analysis, by import volume, Japan, the Netherlands, Germany, the United States and Austria are the main sources of China's lithography machine imports. Among them, Japan is the main importer of lithography machines in China.

In 2021, China imported 283 lithography machines from Japan, accounting for 69.70%

of total lithography machine imports in that year, and the import value of \$352 million, accounting for 30.86% of the total import value. By import volume, then the Netherlands is the main source of China's lithography imports, mainly because ASML is located in the Netherlands. 2021, China imported US\$ 766 million of Dutch lithography, accounting for 67.15% of the total import volume, and 75 units, accounting for 18.47% of the total import volume.

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

Topics covered:

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

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

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

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

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

What is the Expected Revenue of China's Lithography 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 Lithography Machine Import Market?

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

What are the Major Adverse Factors Facing China's Lithography Machine

Import?

## Contents

### **1. 2018-2022 CHINA'S IMPORT ANALYSIS OF LITHOGRAPHY MACHINE**

- 1.1. China's Lithography Machine Import Scale
  - 1.1.1. China's Lithography Machine Import Volume
  - 1.1.2. China's Import Value of Lithography Machine
  - 1.1.3. China's Lithography Machine Import Price
  - 1.1.4. China's Lithography Machine Apparent Consumption
  - 1.1.5. China's Import Dependence of Lithography Machine
- 1.2. China's Main Import Sources of Lithography Machine
  - 1.2.1. By Import Volume
  - 1.2.2. By Import Value

### **2. 2018-2022 CHINA IMPORT ANALYSIS OF DUV LITHOGRAPHY MACHINE**

- 2.1. DUV Lithography Import Volume
- 2.2. DUV Lithography Import Value
- 2.3. DUV Lithography Import Price
- 2.4. Import Dependence of DUV Lithography
- 2.5. Import Analysis of Various Types of DUV Lithography
  - 2.5.1. DUV Lithography Import Volume by Type
  - 2.5.2. DUV Lithography Import Value by Type
  - 2.5.3. Import Price of DUV Lithography by Type
- 2.6. DUV Lithography Import Sources
  - 2.6.1. By Import Volume
  - 2.6.2. By Import Value

### **3. 2018-2022 CHINA EUV LITHOGRAPHY IMPORT ANALYSIS**

- 3.1. EUV Lithography Import Volume
- 3.2. EUV Lithography Import Value
- 3.3. EUV Lithography Import Price
- 3.4. Import Dependence of EUV Lithography
- 3.5. Sources of EUV Lithography Imports
  - 3.5.1. By Import Volume
  - 3.5.2. By Import Value

### **4. 2018-2022 CHINA LITHOGRAPHY MACHINE MAJOR IMPORT SOURCES**

## **ANALYSIS**

- 4.1 Japan Lithography Import Analysis
- 4.2. Netherlands Lithography Import Analysis
- 4.3. Germany Lithography Import Analysis
- 4.4. United States Lithography Import Analysis
- 4.5. Austria Lithography Import Analysis
- 4.6. Other Lithography Import Analysis

## **5. 2023-2032 CHINA IMPORT LITHOGRAPHY OUTLOOK**

- 5.1 Factors Affecting China's Lithography Imports
  - 5.1.1 Favorable Factors
  - 5.1.2 Unfavorable Factors
- 5.2. China's Import Forecast for Lithography Machines, 2023-2032
  - 5.2.1. Import Volume Forecast
  - 5.2.2. Forecast of Major Import Sources
  - 5.2.3. Major Imported Lithography Machine Types Forecast

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