

# Global Semiconductor Etching Machines Market Growth 2023-2029

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## Abstracts

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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.

LPI (LP Information)' newest research report, the "Semiconductor Etching Machines Industry Forecast" looks at past sales and reviews total world Semiconductor Etching Machines sales in 2022, providing a comprehensive analysis by region and market sector of projected Semiconductor Etching Machines sales for 2023 through 2029. With Semiconductor Etching Machines sales broken down by region, market sector and sub-

sector, this report provides a detailed analysis in US\$ millions of the world Semiconductor Etching Machines industry.

This Insight Report provides a comprehensive analysis of the global Semiconductor Etching Machines landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Semiconductor Etching Machines portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Semiconductor Etching Machines market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Semiconductor Etching Machines and breaks down the forecast by type, by application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Semiconductor Etching Machines.

The global Semiconductor Etching Machines market size is projected to grow from US\$ 19180 million in 2022 to US\$ 27330 million in 2029; it is expected to grow at a CAGR of 27330 from 2023 to 2029.

Global key players of semiconductor etch equipment include Lam Research, TEL, Applied Materials, etc. The top three players of semiconductor etch equipment account for approximately 91% of the total market. North America is the largest producer, holds a share around 54%, followed by Japan and Europe, with share 39% and 4%, separately. Asia-Pacific is the largest market, with a share about 81%, followed by North America and Europe, with around 13% and 4% market share respectively.

This report presents a comprehensive overview, market shares, and growth opportunities of Semiconductor Etching Machines market by product type, application, key manufacturers and key regions and countries.

Market Segmentation:

Segmentation by type

Wet Etching Machines

## Dry Etching Machines

### Segmentation by application

Logic and Memory

Power Device

MEMS

Others

This report also splits the market by region:

#### Americas

United States

Canada

Mexico

Brazil

#### APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analyzing the company's coverage, product portfolio, its market penetration.

Lam Research

TEL

Applied Materials

Hitachi High-Technologies

Oxford Instruments

SPTS Technologies

GigaLane

Plasma-Therm

SAMCO

AMEC

NAURA

#### Key Questions Addressed in this Report

What is the 10-year outlook for the global Semiconductor Etching Machines market?

What factors are driving Semiconductor Etching Machines market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Semiconductor Etching Machines market opportunities vary by end market size?

How does Semiconductor Etching Machines break out type, application?

What are the influences of COVID-19 and Russia-Ukraine war?

## Contents

### **1 SCOPE OF THE REPORT**

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

### **2 EXECUTIVE SUMMARY**

- 2.1 World Market Overview
  - 2.1.1 Global Semiconductor Etching Machines Annual Sales 2018-2029
  - 2.1.2 World Current & Future Analysis for Semiconductor Etching Machines by Geographic Region, 2018, 2022 & 2029
  - 2.1.3 World Current & Future Analysis for Semiconductor Etching Machines by Country/Region, 2018, 2022 & 2029
- 2.2 Semiconductor Etching Machines Segment by Type
  - 2.2.1 Wet Etching Machines
  - 2.2.2 Dry Etching Machines
- 2.3 Semiconductor Etching Machines Sales by Type
  - 2.3.1 Global Semiconductor Etching Machines Sales Market Share by Type (2018-2023)
  - 2.3.2 Global Semiconductor Etching Machines Revenue and Market Share by Type (2018-2023)
  - 2.3.3 Global Semiconductor Etching Machines Sale Price by Type (2018-2023)
- 2.4 Semiconductor Etching Machines Segment by Application
  - 2.4.1 Logic and Memory
  - 2.4.2 Power Device
  - 2.4.3 MEMS
  - 2.4.4 Others
- 2.5 Semiconductor Etching Machines Sales by Application
  - 2.5.1 Global Semiconductor Etching Machines Sale Market Share by Application (2018-2023)
  - 2.5.2 Global Semiconductor Etching Machines Revenue and Market Share by

Application (2018-2023)

2.5.3 Global Semiconductor Etching Machines Sale Price by Application (2018-2023)

### **3 GLOBAL SEMICONDUCTOR ETCHING MACHINES BY COMPANY**

3.1 Global Semiconductor Etching Machines Breakdown Data by Company

3.1.1 Global Semiconductor Etching Machines Annual Sales by Company (2018-2023)

3.1.2 Global Semiconductor Etching Machines Sales Market Share by Company (2018-2023)

3.2 Global Semiconductor Etching Machines Annual Revenue by Company (2018-2023)

3.2.1 Global Semiconductor Etching Machines Revenue by Company (2018-2023)

3.2.2 Global Semiconductor Etching Machines Revenue Market Share by Company (2018-2023)

3.3 Global Semiconductor Etching Machines Sale Price by Company

3.4 Key Manufacturers Semiconductor Etching Machines Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers Semiconductor Etching Machines Product Location Distribution

3.4.2 Players Semiconductor Etching Machines Products Offered

3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2018-2023)

3.6 New Products and Potential Entrants

3.7 Mergers & Acquisitions, Expansion

### **4 WORLD HISTORIC REVIEW FOR SEMICONDUCTOR ETCHING MACHINES BY GEOGRAPHIC REGION**

4.1 World Historic Semiconductor Etching Machines Market Size by Geographic Region (2018-2023)

4.1.1 Global Semiconductor Etching Machines Annual Sales by Geographic Region (2018-2023)

4.1.2 Global Semiconductor Etching Machines Annual Revenue by Geographic Region (2018-2023)

4.2 World Historic Semiconductor Etching Machines Market Size by Country/Region (2018-2023)

4.2.1 Global Semiconductor Etching Machines Annual Sales by Country/Region (2018-2023)

4.2.2 Global Semiconductor Etching Machines Annual Revenue by Country/Region

(2018-2023)

4.3 Americas Semiconductor Etching Machines Sales Growth

4.4 APAC Semiconductor Etching Machines Sales Growth

4.5 Europe Semiconductor Etching Machines Sales Growth

4.6 Middle East & Africa Semiconductor Etching Machines Sales Growth

## **5 AMERICAS**

5.1 Americas Semiconductor Etching Machines Sales by Country

5.1.1 Americas Semiconductor Etching Machines Sales by Country (2018-2023)

5.1.2 Americas Semiconductor Etching Machines Revenue by Country (2018-2023)

5.2 Americas Semiconductor Etching Machines Sales by Type

5.3 Americas Semiconductor Etching Machines Sales by Application

5.4 United States

5.5 Canada

5.6 Mexico

5.7 Brazil

## **6 APAC**

6.1 APAC Semiconductor Etching Machines Sales by Region

6.1.1 APAC Semiconductor Etching Machines Sales by Region (2018-2023)

6.1.2 APAC Semiconductor Etching Machines Revenue by Region (2018-2023)

6.2 APAC Semiconductor Etching Machines Sales by Type

6.3 APAC Semiconductor Etching Machines Sales by Application

6.4 China

6.5 Japan

6.6 South Korea

6.7 Southeast Asia

6.8 India

6.9 Australia

6.10 China Taiwan

## **7 EUROPE**

7.1 Europe Semiconductor Etching Machines by Country

7.1.1 Europe Semiconductor Etching Machines Sales by Country (2018-2023)

7.1.2 Europe Semiconductor Etching Machines Revenue by Country (2018-2023)

7.2 Europe Semiconductor Etching Machines Sales by Type



7.3 Europe Semiconductor Etching Machines Sales by Application

7.4 Germany

7.5 France

7.6 UK

7.7 Italy

7.8 Russia

## **8 MIDDLE EAST & AFRICA**

8.1 Middle East & Africa Semiconductor Etching Machines by Country

8.1.1 Middle East & Africa Semiconductor Etching Machines Sales by Country (2018-2023)

8.1.2 Middle East & Africa Semiconductor Etching Machines Revenue by Country (2018-2023)

8.2 Middle East & Africa Semiconductor Etching Machines Sales by Type

8.3 Middle East & Africa Semiconductor Etching Machines Sales by Application

8.4 Egypt

8.5 South Africa

8.6 Israel

8.7 Turkey

8.8 GCC Countries

## **9 MARKET DRIVERS, CHALLENGES AND TRENDS**

9.1 Market Drivers & Growth Opportunities

9.2 Market Challenges & Risks

9.3 Industry Trends

## **10 MANUFACTURING COST STRUCTURE ANALYSIS**

10.1 Raw Material and Suppliers

10.2 Manufacturing Cost Structure Analysis of Semiconductor Etching Machines

10.3 Manufacturing Process Analysis of Semiconductor Etching Machines

10.4 Industry Chain Structure of Semiconductor Etching Machines

## **11 MARKETING, DISTRIBUTORS AND CUSTOMER**

11.1 Sales Channel

11.1.1 Direct Channels

- 11.1.2 Indirect Channels
- 11.2 Semiconductor Etching Machines Distributors
- 11.3 Semiconductor Etching Machines Customer

## **12 WORLD FORECAST REVIEW FOR SEMICONDUCTOR ETCHING MACHINES BY GEOGRAPHIC REGION**

- 12.1 Global Semiconductor Etching Machines Market Size Forecast by Region
  - 12.1.1 Global Semiconductor Etching Machines Forecast by Region (2024-2029)
  - 12.1.2 Global Semiconductor Etching Machines Annual Revenue Forecast by Region (2024-2029)
- 12.2 Americas Forecast by Country
- 12.3 APAC Forecast by Region
- 12.4 Europe Forecast by Country
- 12.5 Middle East & Africa Forecast by Country
- 12.6 Global Semiconductor Etching Machines Forecast by Type
- 12.7 Global Semiconductor Etching Machines Forecast by Application

## **13 KEY PLAYERS ANALYSIS**

- 13.1 Lam Research
  - 13.1.1 Lam Research Company Information
  - 13.1.2 Lam Research Semiconductor Etching Machines Product Portfolios and Specifications
  - 13.1.3 Lam Research Semiconductor Etching Machines Sales, Revenue, Price and Gross Margin (2018-2023)
  - 13.1.4 Lam Research Main Business Overview
  - 13.1.5 Lam Research Latest Developments
- 13.2 TEL
  - 13.2.1 TEL Company Information
  - 13.2.2 TEL Semiconductor Etching Machines Product Portfolios and Specifications
  - 13.2.3 TEL Semiconductor Etching Machines Sales, Revenue, Price and Gross Margin (2018-2023)
  - 13.2.4 TEL Main Business Overview
  - 13.2.5 TEL Latest Developments
- 13.3 Applied Materials
  - 13.3.1 Applied Materials Company Information
  - 13.3.2 Applied Materials Semiconductor Etching Machines Product Portfolios and Specifications

13.3.3 Applied Materials Semiconductor Etching Machines Sales, Revenue, Price and Gross Margin (2018-2023)

13.3.4 Applied Materials Main Business Overview

13.3.5 Applied Materials Latest Developments

13.4 Hitachi High-Technologies

13.4.1 Hitachi High-Technologies Company Information

13.4.2 Hitachi High-Technologies Semiconductor Etching Machines Product Portfolios and Specifications

13.4.3 Hitachi High-Technologies Semiconductor Etching Machines Sales, Revenue, Price and Gross Margin (2018-2023)

13.4.4 Hitachi High-Technologies Main Business Overview

13.4.5 Hitachi High-Technologies Latest Developments

13.5 Oxford Instruments

13.5.1 Oxford Instruments Company Information

13.5.2 Oxford Instruments Semiconductor Etching Machines Product Portfolios and Specifications

13.5.3 Oxford Instruments Semiconductor Etching Machines Sales, Revenue, Price and Gross Margin (2018-2023)

13.5.4 Oxford Instruments Main Business Overview

13.5.5 Oxford Instruments Latest Developments

13.6 SPTS Technologies

13.6.1 SPTS Technologies Company Information

13.6.2 SPTS Technologies Semiconductor Etching Machines Product Portfolios and Specifications

13.6.3 SPTS Technologies Semiconductor Etching Machines Sales, Revenue, Price and Gross Margin (2018-2023)

13.6.4 SPTS Technologies Main Business Overview

13.6.5 SPTS Technologies Latest Developments

13.7 GigaLane

13.7.1 GigaLane Company Information

13.7.2 GigaLane Semiconductor Etching Machines Product Portfolios and Specifications

13.7.3 GigaLane Semiconductor Etching Machines Sales, Revenue, Price and Gross Margin (2018-2023)

13.7.4 GigaLane Main Business Overview

13.7.5 GigaLane Latest Developments

13.8 Plasma-Therm

13.8.1 Plasma-Therm Company Information

13.8.2 Plasma-Therm Semiconductor Etching Machines Product Portfolios and

## Specifications

13.8.3 Plasma-Therm Semiconductor Etching Machines Sales, Revenue, Price and Gross Margin (2018-2023)

13.8.4 Plasma-Therm Main Business Overview

13.8.5 Plasma-Therm Latest Developments

## 13.9 SAMCO

13.9.1 SAMCO Company Information

13.9.2 SAMCO Semiconductor Etching Machines Product Portfolios and Specifications

13.9.3 SAMCO Semiconductor Etching Machines Sales, Revenue, Price and Gross Margin (2018-2023)

13.9.4 SAMCO Main Business Overview

13.9.5 SAMCO Latest Developments

## 13.10 AMEC

13.10.1 AMEC Company Information

13.10.2 AMEC Semiconductor Etching Machines Product Portfolios and Specifications

13.10.3 AMEC Semiconductor Etching Machines Sales, Revenue, Price and Gross Margin (2018-2023)

13.10.4 AMEC Main Business Overview

13.10.5 AMEC Latest Developments

## 13.11 NAURA

13.11.1 NAURA Company Information

13.11.2 NAURA Semiconductor Etching Machines Product Portfolios and Specifications

13.11.3 NAURA Semiconductor Etching Machines Sales, Revenue, Price and Gross Margin (2018-2023)

13.11.4 NAURA Main Business Overview

13.11.5 NAURA Latest Developments

## **14 RESEARCH FINDINGS AND CONCLUSION**

## List Of Tables

### LIST OF TABLES

- Table 1. Semiconductor Etching Machines Annual Sales CAGR by Geographic Region (2018, 2022 & 2029) & (\$ millions)
- Table 2. Semiconductor Etching Machines Annual Sales CAGR by Country/Region (2018, 2022 & 2029) & (\$ millions)
- Table 3. Major Players of Wet Etching Machines
- Table 4. Major Players of Dry Etching Machines
- Table 5. Global Semiconductor Etching Machines Sales by Type (2018-2023) & (K Units)
- Table 6. Global Semiconductor Etching Machines Sales Market Share by Type (2018-2023)
- Table 7. Global Semiconductor Etching Machines Revenue by Type (2018-2023) & (\$ million)
- Table 8. Global Semiconductor Etching Machines Revenue Market Share by Type (2018-2023)
- Table 9. Global Semiconductor Etching Machines Sale Price by Type (2018-2023) & (US\$/Unit)
- Table 10. Global Semiconductor Etching Machines Sales by Application (2018-2023) & (K Units)
- Table 11. Global Semiconductor Etching Machines Sales Market Share by Application (2018-2023)
- Table 12. Global Semiconductor Etching Machines Revenue by Application (2018-2023)
- Table 13. Global Semiconductor Etching Machines Revenue Market Share by Application (2018-2023)
- Table 14. Global Semiconductor Etching Machines Sale Price by Application (2018-2023) & (US\$/Unit)
- Table 15. Global Semiconductor Etching Machines Sales by Company (2018-2023) & (K Units)
- Table 16. Global Semiconductor Etching Machines Sales Market Share by Company (2018-2023)
- Table 17. Global Semiconductor Etching Machines Revenue by Company (2018-2023) (\$ Millions)
- Table 18. Global Semiconductor Etching Machines Revenue Market Share by Company (2018-2023)
- Table 19. Global Semiconductor Etching Machines Sale Price by Company (2018-2023) & (US\$/Unit)

- Table 20. Key Manufacturers Semiconductor Etching Machines Producing Area Distribution and Sales Area
- Table 21. Players Semiconductor Etching Machines Products Offered
- Table 22. Semiconductor Etching Machines Concentration Ratio (CR3, CR5 and CR10) & (2018-2023)
- Table 23. New Products and Potential Entrants
- Table 24. Mergers & Acquisitions, Expansion
- Table 25. Global Semiconductor Etching Machines Sales by Geographic Region (2018-2023) & (K Units)
- Table 26. Global Semiconductor Etching Machines Sales Market Share Geographic Region (2018-2023)
- Table 27. Global Semiconductor Etching Machines Revenue by Geographic Region (2018-2023) & (\$ millions)
- Table 28. Global Semiconductor Etching Machines Revenue Market Share by Geographic Region (2018-2023)
- Table 29. Global Semiconductor Etching Machines Sales by Country/Region (2018-2023) & (K Units)
- Table 30. Global Semiconductor Etching Machines Sales Market Share by Country/Region (2018-2023)
- Table 31. Global Semiconductor Etching Machines Revenue by Country/Region (2018-2023) & (\$ millions)
- Table 32. Global Semiconductor Etching Machines Revenue Market Share by Country/Region (2018-2023)
- Table 33. Americas Semiconductor Etching Machines Sales by Country (2018-2023) & (K Units)
- Table 34. Americas Semiconductor Etching Machines Sales Market Share by Country (2018-2023)
- Table 35. Americas Semiconductor Etching Machines Revenue by Country (2018-2023) & (\$ Millions)
- Table 36. Americas Semiconductor Etching Machines Revenue Market Share by Country (2018-2023)
- Table 37. Americas Semiconductor Etching Machines Sales by Type (2018-2023) & (K Units)
- Table 38. Americas Semiconductor Etching Machines Sales by Application (2018-2023) & (K Units)
- Table 39. APAC Semiconductor Etching Machines Sales by Region (2018-2023) & (K Units)
- Table 40. APAC Semiconductor Etching Machines Sales Market Share by Region (2018-2023)

Table 41. APAC Semiconductor Etching Machines Revenue by Region (2018-2023) & (\$ Millions)

Table 42. APAC Semiconductor Etching Machines Revenue Market Share by Region (2018-2023)

Table 43. APAC Semiconductor Etching Machines Sales by Type (2018-2023) & (K Units)

Table 44. APAC Semiconductor Etching Machines Sales by Application (2018-2023) & (K Units)

Table 45. Europe Semiconductor Etching Machines Sales by Country (2018-2023) & (K Units)

Table 46. Europe Semiconductor Etching Machines Sales Market Share by Country (2018-2023)

Table 47. Europe Semiconductor Etching Machines Revenue by Country (2018-2023) & (\$ Millions)

Table 48. Europe Semiconductor Etching Machines Revenue Market Share by Country (2018-2023)

Table 49. Europe Semiconductor Etching Machines Sales by Type (2018-2023) & (K Units)

Table 50. Europe Semiconductor Etching Machines Sales by Application (2018-2023) & (K Units)

Table 51. Middle East & Africa Semiconductor Etching Machines Sales by Country (2018-2023) & (K Units)

Table 52. Middle East & Africa Semiconductor Etching Machines Sales Market Share by Country (2018-2023)

Table 53. Middle East & Africa Semiconductor Etching Machines Revenue by Country (2018-2023) & (\$ Millions)

Table 54. Middle East & Africa Semiconductor Etching Machines Revenue Market Share by Country (2018-2023)

Table 55. Middle East & Africa Semiconductor Etching Machines Sales by Type (2018-2023) & (K Units)

Table 56. Middle East & Africa Semiconductor Etching Machines Sales by Application (2018-2023) & (K Units)

Table 57. Key Market Drivers & Growth Opportunities of Semiconductor Etching Machines

Table 58. Key Market Challenges & Risks of Semiconductor Etching Machines

Table 59. Key Industry Trends of Semiconductor Etching Machines

Table 60. Semiconductor Etching Machines Raw Material

Table 61. Key Suppliers of Raw Materials

Table 62. Semiconductor Etching Machines Distributors List

- Table 63. Semiconductor Etching Machines Customer List
- Table 64. Global Semiconductor Etching Machines Sales Forecast by Region (2024-2029) & (K Units)
- Table 65. Global Semiconductor Etching Machines Revenue Forecast by Region (2024-2029) & (\$ millions)
- Table 66. Americas Semiconductor Etching Machines Sales Forecast by Country (2024-2029) & (K Units)
- Table 67. Americas Semiconductor Etching Machines Revenue Forecast by Country (2024-2029) & (\$ millions)
- Table 68. APAC Semiconductor Etching Machines Sales Forecast by Region (2024-2029) & (K Units)
- Table 69. APAC Semiconductor Etching Machines Revenue Forecast by Region (2024-2029) & (\$ millions)
- Table 70. Europe Semiconductor Etching Machines Sales Forecast by Country (2024-2029) & (K Units)
- Table 71. Europe Semiconductor Etching Machines Revenue Forecast by Country (2024-2029) & (\$ millions)
- Table 72. Middle East & Africa Semiconductor Etching Machines Sales Forecast by Country (2024-2029) & (K Units)
- Table 73. Middle East & Africa Semiconductor Etching Machines Revenue Forecast by Country (2024-2029) & (\$ millions)
- Table 74. Global Semiconductor Etching Machines Sales Forecast by Type (2024-2029) & (K Units)
- Table 75. Global Semiconductor Etching Machines Revenue Forecast by Type (2024-2029) & (\$ Millions)
- Table 76. Global Semiconductor Etching Machines Sales Forecast by Application (2024-2029) & (K Units)
- Table 77. Global Semiconductor Etching Machines Revenue Forecast by Application (2024-2029) & (\$ Millions)
- Table 78. Lam Research Basic Information, Semiconductor Etching Machines Manufacturing Base, Sales Area and Its Competitors
- Table 79. Lam Research Semiconductor Etching Machines Product Portfolios and Specifications
- Table 80. Lam Research Semiconductor Etching Machines Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)
- Table 81. Lam Research Main Business
- Table 82. Lam Research Latest Developments
- Table 83. TEL Basic Information, Semiconductor Etching Machines Manufacturing Base, Sales Area and Its Competitors



- Table 84. TEL Semiconductor Etching Machines Product Portfolios and Specifications
- Table 85. TEL Semiconductor Etching Machines Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)
- Table 86. TEL Main Business
- Table 87. TEL Latest Developments
- Table 88. Applied Materials Basic Information, Semiconductor Etching Machines Manufacturing Base, Sales Area and Its Competitors
- Table 89. Applied Materials Semiconductor Etching Machines Product Portfolios and Specifications
- Table 90. Applied Materials Semiconductor Etching Machines Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)
- Table 91. Applied Materials Main Business
- Table 92. Applied Materials Latest Developments
- Table 93. Hitachi High-Technologies Basic Information, Semiconductor Etching Machines Manufacturing Base, Sales Area and Its Competitors
- Table 94. Hitachi High-Technologies Semiconductor Etching Machines Product Portfolios and Specifications
- Table 95. Hitachi High-Technologies Semiconductor Etching Machines Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)
- Table 96. Hitachi High-Technologies Main Business
- Table 97. Hitachi High-Technologies Latest Developments
- Table 98. Oxford Instruments Basic Information, Semiconductor Etching Machines Manufacturing Base, Sales Area and Its Competitors
- Table 99. Oxford Instruments Semiconductor Etching Machines Product Portfolios and Specifications
- Table 100. Oxford Instruments Semiconductor Etching Machines Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)
- Table 101. Oxford Instruments Main Business
- Table 102. Oxford Instruments Latest Developments
- Table 103. SPTS Technologies Basic Information, Semiconductor Etching Machines Manufacturing Base, Sales Area and Its Competitors
- Table 104. SPTS Technologies Semiconductor Etching Machines Product Portfolios and Specifications
- Table 105. SPTS Technologies Semiconductor Etching Machines Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)
- Table 106. SPTS Technologies Main Business
- Table 107. SPTS Technologies Latest Developments
- Table 108. GigaLane Basic Information, Semiconductor Etching Machines Manufacturing Base, Sales Area and Its Competitors

Table 109. GigaLane Semiconductor Etching Machines Product Portfolios and Specifications

Table 110. GigaLane Semiconductor Etching Machines Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 111. GigaLane Main Business

Table 112. GigaLane Latest Developments

Table 113. Plasma-Therm Basic Information, Semiconductor Etching Machines Manufacturing Base, Sales Area and Its Competitors

Table 114. Plasma-Therm Semiconductor Etching Machines Product Portfolios and Specifications

Table 115. Plasma-Therm Semiconductor Etching Machines Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 116. Plasma-Therm Main Business

Table 117. Plasma-Therm Latest Developments

Table 118. SAMCO Basic Information, Semiconductor Etching Machines Manufacturing Base, Sales Area and Its Competitors

Table 119. SAMCO Semiconductor Etching Machines Product Portfolios and Specifications

Table 120. SAMCO Semiconductor Etching Machines Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 121. SAMCO Main Business

Table 122. SAMCO Latest Developments

Table 123. AMEC Basic Information, Semiconductor Etching Machines Manufacturing Base, Sales Area and Its Competitors

Table 124. AMEC Semiconductor Etching Machines Product Portfolios and Specifications

Table 125. AMEC Semiconductor Etching Machines Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 126. AMEC Main Business

Table 127. AMEC Latest Developments

Table 128. NAURA Basic Information, Semiconductor Etching Machines Manufacturing Base, Sales Area and Its Competitors

Table 129. NAURA Semiconductor Etching Machines Product Portfolios and Specifications

Table 130. NAURA Semiconductor Etching Machines Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 131. NAURA Main Business

Table 132. NAURA Latest Developments

## List Of Figures

### LIST OF FIGURES

- Figure 1. Picture of Semiconductor Etching Machines
- Figure 2. Semiconductor Etching Machines Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global Semiconductor Etching Machines Sales Growth Rate 2018-2029 (K Units)
- Figure 7. Global Semiconductor Etching Machines Revenue Growth Rate 2018-2029 (\$ Millions)
- Figure 8. Semiconductor Etching Machines Sales by Region (2018, 2022 & 2029) & (\$ Millions)
- Figure 9. Product Picture of Wet Etching Machines
- Figure 10. Product Picture of Dry Etching Machines
- Figure 11. Global Semiconductor Etching Machines Sales Market Share by Type in 2022
- Figure 12. Global Semiconductor Etching Machines Revenue Market Share by Type (2018-2023)
- Figure 13. Semiconductor Etching Machines Consumed in Logic and Memory
- Figure 14. Global Semiconductor Etching Machines Market: Logic and Memory (2018-2023) & (K Units)
- Figure 15. Semiconductor Etching Machines Consumed in Power Device
- Figure 16. Global Semiconductor Etching Machines Market: Power Device (2018-2023) & (K Units)
- Figure 17. Semiconductor Etching Machines Consumed in MEMS
- Figure 18. Global Semiconductor Etching Machines Market: MEMS (2018-2023) & (K Units)
- Figure 19. Semiconductor Etching Machines Consumed in Others
- Figure 20. Global Semiconductor Etching Machines Market: Others (2018-2023) & (K Units)
- Figure 21. Global Semiconductor Etching Machines Sales Market Share by Application (2022)
- Figure 22. Global Semiconductor Etching Machines Revenue Market Share by Application in 2022
- Figure 23. Semiconductor Etching Machines Sales Market by Company in 2022 (K Units)

Figure 24. Global Semiconductor Etching Machines Sales Market Share by Company in 2022

Figure 25. Semiconductor Etching Machines Revenue Market by Company in 2022 (\$ Million)

Figure 26. Global Semiconductor Etching Machines Revenue Market Share by Company in 2022

Figure 27. Global Semiconductor Etching Machines Sales Market Share by Geographic Region (2018-2023)

Figure 28. Global Semiconductor Etching Machines Revenue Market Share by Geographic Region in 2022

Figure 29. Americas Semiconductor Etching Machines Sales 2018-2023 (K Units)

Figure 30. Americas Semiconductor Etching Machines Revenue 2018-2023 (\$ Millions)

Figure 31. APAC Semiconductor Etching Machines Sales 2018-2023 (K Units)

Figure 32. APAC Semiconductor Etching Machines Revenue 2018-2023 (\$ Millions)

Figure 33. Europe Semiconductor Etching Machines Sales 2018-2023 (K Units)

Figure 34. Europe Semiconductor Etching Machines Revenue 2018-2023 (\$ Millions)

Figure 35. Middle East & Africa Semiconductor Etching Machines Sales 2018-2023 (K Units)

Figure 36. Middle East & Africa Semiconductor Etching Machines Revenue 2018-2023 (\$ Millions)

Figure 37. Americas Semiconductor Etching Machines Sales Market Share by Country in 2022

Figure 38. Americas Semiconductor Etching Machines Revenue Market Share by Country in 2022

Figure 39. Americas Semiconductor Etching Machines Sales Market Share by Type (2018-2023)

Figure 40. Americas Semiconductor Etching Machines Sales Market Share by Application (2018-2023)

Figure 41. United States Semiconductor Etching Machines Revenue Growth 2018-2023 (\$ Millions)

Figure 42. Canada Semiconductor Etching Machines Revenue Growth 2018-2023 (\$ Millions)

Figure 43. Mexico Semiconductor Etching Machines Revenue Growth 2018-2023 (\$ Millions)

Figure 44. Brazil Semiconductor Etching Machines Revenue Growth 2018-2023 (\$ Millions)

Figure 45. APAC Semiconductor Etching Machines Sales Market Share by Region in 2022

Figure 46. APAC Semiconductor Etching Machines Revenue Market Share by Regions

in 2022

Figure 47. APAC Semiconductor Etching Machines Sales Market Share by Type (2018-2023)

Figure 48. APAC Semiconductor Etching Machines Sales Market Share by Application (2018-2023)

Figure 49. China Semiconductor Etching Machines Revenue Growth 2018-2023 (\$ Millions)

Figure 50. Japan Semiconductor Etching Machines Revenue Growth 2018-2023 (\$ Millions)

Figure 51. South Korea Semiconductor Etching Machines Revenue Growth 2018-2023 (\$ Millions)

Figure 52. Southeast Asia Semiconductor Etching Machines Revenue Growth 2018-2023 (\$ Millions)

Figure 53. India Semiconductor Etching Machines Revenue Growth 2018-2023 (\$ Millions)

Figure 54. Australia Semiconductor Etching Machines Revenue Growth 2018-2023 (\$ Millions)

Figure 55. China Taiwan Semiconductor Etching Machines Revenue Growth 2018-2023 (\$ Millions)

Figure 56. Europe Semiconductor Etching Machines Sales Market Share by Country in 2022

Figure 57. Europe Semiconductor Etching Machines Revenue Market Share by Country in 2022

Figure 58. Europe Semiconductor Etching Machines Sales Market Share by Type (2018-2023)

Figure 59. Europe Semiconductor Etching Machines Sales Market Share by Application (2018-2023)

Figure 60. Germany Semiconductor Etching Machines Revenue Growth 2018-2023 (\$ Millions)

Figure 61. France Semiconductor Etching Machines Revenue Growth 2018-2023 (\$ Millions)

Figure 62. UK Semiconductor Etching Machines Revenue Growth 2018-2023 (\$ Millions)

Figure 63. Italy Semiconductor Etching Machines Revenue Growth 2018-2023 (\$ Millions)

Figure 64. Russia Semiconductor Etching Machines Revenue Growth 2018-2023 (\$ Millions)

Figure 65. Middle East & Africa Semiconductor Etching Machines Sales Market Share by Country in 2022

Figure 66. Middle East & Africa Semiconductor Etching Machines Revenue Market Share by Country in 2022

Figure 67. Middle East & Africa Semiconductor Etching Machines Sales Market Share by Type (2018-2023)

Figure 68. Middle East & Africa Semiconductor Etching Machines Sales Market Share by Application (2018-2023)

Figure 69. Egypt Semiconductor Etching Machines Revenue Growth 2018-2023 (\$ Millions)

Figure 70. South Africa Semiconductor Etching Machines Revenue Growth 2018-2023 (\$ Millions)

Figure 71. Israel Semiconductor Etching Machines Revenue Growth 2018-2023 (\$ Millions)

Figure 72. Turkey Semiconductor Etching Machines Revenue Growth 2018-2023 (\$ Millions)

Figure 73. GCC Country Semiconductor Etching Machines Revenue Growth 2018-2023 (\$ Millions)

Figure 74. Manufacturing Cost Structure Analysis of Semiconductor Etching Machines in 2022

Figure 75. Manufacturing Process Analysis of Semiconductor Etching Machines

Figure 76. Industry Chain Structure of Semiconductor Etching Machines

Figure 77. Channels of Distribution

Figure 78. Global Semiconductor Etching Machines Sales Market Forecast by Region (2024-2029)

Figure 79. Global Semiconductor Etching Machines Revenue Market Share Forecast by Region (2024-2029)

Figure 80. Global Semiconductor Etching Machines Sales Market Share Forecast by Type (2024-2029)

Figure 81. Global Semiconductor Etching Machines Revenue Market Share Forecast by Type (2024-2029)

Figure 82. Global Semiconductor Etching Machines Sales Market Share Forecast by Application (2024-2029)

Figure 83. Global Semiconductor Etching Machines Revenue Market Share Forecast by Application (2024-2029)

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