

Global External Semiconductor Photomask Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/G037255F7E46EN.html>

Date: February 2026

Pages: 120

Price: US\$ 4,480.00 (Single User License)

ID: G037255F7E46EN

Abstracts

The global External Semiconductor Photomask market size is expected to reach \$ 5102 million by 2032, rising at a market growth of 6.4% CAGR during the forecast period (2026-2032).

External semiconductor photomasks are special photomasks independently designed, R&D and manufactured by professional third-party photomask vendors, and commercially supplied to semiconductor manufacturers such as wafer fabs and IDMs. As the core component for precise circuit pattern transfer in semiconductor lithography processes, they are distinguished from in-house semiconductor photomasks independently produced and used only for internal manufacturing by semiconductor enterprises. They are mainly adapted to the production of various semiconductor devices including logic chips, memory chips, power semiconductors, RF chips and MEMS devices, covering the full technical nodes of mature and advanced semiconductor processes. Mature process models cost thousands to tens of thousands of USD; advanced DUV photomasks exceed 100,000 USD per unit; EUV photomasks for cutting-edge nodes surge over 1,000,000 USD, with prices rising exponentially by process precision and defect control standards. Industrial Chain: Upstream: high-purity quartz blanks, MoSi/Chrome films, e-beam writers and high-precision inspection equipment. Midstream: leading third-party manufacturers and in-house fab production. Downstream: logic/memory chips, power semiconductors, RF chips and MEMS devices, with core technologies and capacity concentrated in upstream international suppliers and midstream top manufacturers.

Market Drivers

Cost and efficiency optimization demands of semiconductor enterprises: The production

of semiconductor photomasks requires huge investment in ultra-high-end equipment such as e-beam writers and high-precision inspection instruments with extremely high capital and technical thresholds. The third-party supply model helps semiconductor enterprises avoid redundant equipment investment, reduce the mask supporting cost per chip by virtue of the vendors' economies of scale, and focus on core manufacturing and process R&D.

Capacity and category expansion of the semiconductor industry: The booming development of global AI, computing power, automotive electronics and the Internet of Things drives the sustained surge in demand for semiconductor chips. The capacity expansion of wafer fabs and the diversification of chip categories boost the overall demand for semiconductor photomasks. Small and medium-sized wafer fabs and specialty process foundries lack in-house manufacturing capabilities, becoming the core demand entities for external semiconductor photomasks.

Technological iteration of advanced semiconductor processes: The continuous evolution of logic and memory chips to advanced processes such as 3nm/2nm leads to a sharp increase in demand for high-precision, low-defect semiconductor photomasks with optical proximity correction (OPC). Leading third-party vendors can quickly meet the stringent technical requirements of advanced processes by virtue of long-term technical accumulation, making up for the technical shortcomings of some semiconductor enterprises.

Deepened specialized division of the semiconductor industry chain: Semiconductor manufacturing processes are becoming increasingly complex, and the lithography link has higher requirements for the customization and timeliness of photomasks. Wafer fabs tend to outsource the photomask link to professional third parties to realize efficient supply chain collaboration and improve the overall yield and delivery efficiency of chip production.

Global promotion of localized semiconductor layout: Countries around the world are accelerating the construction of semiconductor industry chain autonomy. The construction of local wafer fabs drives the release of demand for local external semiconductor photomasks. Meanwhile, policy support for local third-party photomask enterprises to achieve technological breakthroughs further improves the supporting capacity of regional semiconductor supply chains.

Market Challenges

Extremely high technical barriers for advanced processes: The manufacturing of

external semiconductor photomasks for advanced processes (especially DUV/EUV photomasks for 7nm and below nodes) involves core technologies such as high-purity quartz blanks, ultra-precision pattern fabrication, phase shift mask (PSM) technology and EUV reflective layer preparation, which require long-term R&D accumulation and continuous large capital investment, making it difficult for small and medium-sized third-party vendors to achieve technological breakthroughs.

High supply chain dependence and prominent risks: The core raw materials (high-purity quartz blanks, MoSi light-shielding films) and core production equipment (high-end e-beam writers) for advanced external semiconductor photomasks are mostly monopolized by a small number of international enterprises. Geopolitical frictions and trade barriers are likely to cause supply disruptions of raw materials and equipment, affecting the stable production of vendors.

High market concentration and solidified competition pattern: The global external semiconductor photomask market is dominated by international leading enterprises such as Toppan, DNP and Photronics, which occupy most of the market share of advanced processes and form long-term stable cooperation with leading semiconductor enterprises such as TSMC, Samsung and Intel. Emerging third-party vendors are difficult to break through the dual barriers of technology and customers.

Stringent product customization and quality control requirements: Different semiconductor devices and process nodes have significant differences in the pattern design, precision and specification requirements of photomasks, requiring vendors to provide highly customized solutions. At the same time, semiconductor manufacturing requires nanoscale defect rates for photomasks, which greatly increases the costs of production, inspection and repair, squeezing the profit margins of vendors.

Long cycle of technical verification and customer certification: As a key core component of chip manufacturing, external semiconductor photomasks need to pass stringent technical verification and product certification to enter the supply chain of wafer fabs, with a cycle usually lasting 1-3 years. It is difficult for emerging third-party vendors to achieve rapid customer breakthrough and market volume release.

This report studies the global External Semiconductor Photomask production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for External Semiconductor Photomask and provides market size (US\$ million) and Year-over-Year

(YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of External Semiconductor Photomask that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global External Semiconductor Photomask total production and demand, 2021-2032, (K Sqm)

Global External Semiconductor Photomask total production value, 2021-2032, (USD Million)

Global External Semiconductor Photomask production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Sqm), (based on production site)

Global External Semiconductor Photomask consumption by region & country, CAGR, 2021-2032 & (K Sqm)

U.S. VS China: External Semiconductor Photomask domestic production, consumption, key domestic manufacturers and share

Global External Semiconductor Photomask production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Sqm)

Global External Semiconductor Photomask production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Sqm)

Global External Semiconductor Photomask production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Sqm)

This report profiles key players in the global External Semiconductor Photomask market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Tekscend Photomask, Photronics, DNP, Hoya, SK-Electronics, Taiwan Mask, ShenZheng QingVi, Newway Photomask, Compugraphics, Nippon Filcon, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World External Semiconductor Photomask market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Sqm) and average price (US\$/Sq m)

by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global External Semiconductor Photomask Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global External Semiconductor Photomask Market, Segmentation by Type:

Quartz Photomask

Soda Lime Glass Photomask

Others

Global External Semiconductor Photomask Market, Segmentation by Lithography Light Source:

UV Photomask

DUV Photomask

EUV Photomask

Others

Global External Semiconductor Photomask Market, Segmentation by Process Precision:

Advanced Process Photomask

Mature Process Photomask

Low-end Process Photomask

Global External Semiconductor Photomask Market, Segmentation by Application:

Logic Chips

Memory Chips

Power Semiconductors

RF Chips

MEMS Devices

Others

Companies Profiled:

Tekscend Photomask

Photronics

DNP

Hoya

SK-Electronics

Taiwan Mask

ShenZheng QingVi

Newway Photomask

Compugraphics

Nippon Filcon

Shenzhen Longtu Photomask

Key Questions Answered:

1. How big is the global External Semiconductor Photomask market?
2. What is the demand of the global External Semiconductor Photomask market?
3. What is the year over year growth of the global External Semiconductor Photomask market?
4. What is the production and production value of the global External Semiconductor Photomask market?
5. Who are the key producers in the global External Semiconductor Photomask market?
6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

- 1.1 Isolated Digital I/O Card Introduction
- 1.2 World Isolated Digital I/O Card Supply & Forecast
 - 1.2.1 World Isolated Digital I/O Card Production Value (2021 & 2025 & 2032)
 - 1.2.2 World Isolated Digital I/O Card Production (2021-2032)
 - 1.2.3 World Isolated Digital I/O Card Pricing Trends (2021-2032)
- 1.3 World Isolated Digital I/O Card Production by Region (Based on Production Site)
 - 1.3.1 World Isolated Digital I/O Card Production Value by Region (2021-2032)
 - 1.3.2 World Isolated Digital I/O Card Production by Region (2021-2032)
 - 1.3.3 World Isolated Digital I/O Card Average Price by Region (2021-2032)
 - 1.3.4 North America Isolated Digital I/O Card Production (2021-2032)
 - 1.3.5 Europe Isolated Digital I/O Card Production (2021-2032)
 - 1.3.6 China Isolated Digital I/O Card Production (2021-2032)
 - 1.3.7 Japan Isolated Digital I/O Card Production (2021-2032)
 - 1.3.8 South Korea Isolated Digital I/O Card Production (2021-2032)
 - 1.3.9 Southeast Asia Isolated Digital I/O Card Production (2021-2032)
 - 1.3.10 China Taiwan Isolated Digital I/O Card Production (2021-2032)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 Isolated Digital I/O Card Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 Isolated Digital I/O Card Major Market Trends

2 DEMAND SUMMARY

- 2.1 World Isolated Digital I/O Card Demand (2021-2032)
- 2.2 World Isolated Digital I/O Card Consumption by Region
 - 2.2.1 World Isolated Digital I/O Card Consumption by Region (2021-2026)
 - 2.2.2 World Isolated Digital I/O Card Consumption Forecast by Region (2027-2032)
- 2.3 United States Isolated Digital I/O Card Consumption (2021-2032)
- 2.4 China Isolated Digital I/O Card Consumption (2021-2032)
- 2.5 Europe Isolated Digital I/O Card Consumption (2021-2032)
- 2.6 Japan Isolated Digital I/O Card Consumption (2021-2032)
- 2.7 South Korea Isolated Digital I/O Card Consumption (2021-2032)
- 2.8 ASEAN Isolated Digital I/O Card Consumption (2021-2032)
- 2.9 India Isolated Digital I/O Card Consumption (2021-2032)

3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

- 3.1 World Isolated Digital I/O Card Production Value by Manufacturer (2021-2026)
- 3.2 World Isolated Digital I/O Card Production by Manufacturer (2021-2026)
- 3.3 World Isolated Digital I/O Card Average Price by Manufacturer (2021-2026)
- 3.4 Isolated Digital I/O Card Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
 - 3.5.1 Global Isolated Digital I/O Card Industry Rank of Major Manufacturers
 - 3.5.2 Global Concentration Ratios (CR4) for Isolated Digital I/O Card in 2025
 - 3.5.3 Global Concentration Ratios (CR8) for Isolated Digital I/O Card in 2025
- 3.6 Isolated Digital I/O Card Market: Overall Company Footprint Analysis
 - 3.6.1 Isolated Digital I/O Card Market: Region Footprint
 - 3.6.2 Isolated Digital I/O Card Market: Company Product Type Footprint
 - 3.6.3 Isolated Digital I/O Card Market: Company Product Application Footprint
- 3.7 Competitive Environment
 - 3.7.1 Historical Structure of the Industry
 - 3.7.2 Barriers of Market Entry
 - 3.7.3 Factors of Competition
- 3.8 New Entrant and Capacity Expansion Plans
- 3.9 Mergers, Acquisition, Agreements, and Collaborations

4 UNITED STATES VS CHINA VS REST OF THE WORLD

- 4.1 United States VS China: Isolated Digital I/O Card Production Value Comparison
 - 4.1.1 United States VS China: Isolated Digital I/O Card Production Value Comparison (2021 & 2025 & 2032)
 - 4.1.2 United States VS China: Isolated Digital I/O Card Production Value Market Share Comparison (2021 & 2025 & 2032)
- 4.2 United States VS China: Isolated Digital I/O Card Production Comparison
 - 4.2.1 United States VS China: Isolated Digital I/O Card Production Comparison (2021 & 2025 & 2032)
 - 4.2.2 United States VS China: Isolated Digital I/O Card Production Market Share Comparison (2021 & 2025 & 2032)
- 4.3 United States VS China: Isolated Digital I/O Card Consumption Comparison
 - 4.3.1 United States VS China: Isolated Digital I/O Card Consumption Comparison (2021 & 2025 & 2032)
 - 4.3.2 United States VS China: Isolated Digital I/O Card Consumption Market Share Comparison (2021 & 2025 & 2032)
- 4.4 United States Based Isolated Digital I/O Card Manufacturers and Market Share,

2021-2026

4.4.1 United States Based Isolated Digital I/O Card Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Isolated Digital I/O Card Production Value (2021-2026)

4.4.3 United States Based Manufacturers Isolated Digital I/O Card Production (2021-2026)

4.5 China Based Isolated Digital I/O Card Manufacturers and Market Share

4.5.1 China Based Isolated Digital I/O Card Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Isolated Digital I/O Card Production Value (2021-2026)

4.5.3 China Based Manufacturers Isolated Digital I/O Card Production (2021-2026)

4.6 Rest of World Based Isolated Digital I/O Card Manufacturers and Market Share, 2021-2026

4.6.1 Rest of World Based Isolated Digital I/O Card Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Isolated Digital I/O Card Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers Isolated Digital I/O Card Production (2021-2026)

5 MARKET ANALYSIS BY TYPE

5.1 World Isolated Digital I/O Card Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 8 Channel

5.2.2 16 Channel

5.2.3 32 Channel

5.2.4 128 Channel

5.2.5 Others

5.3 Market Segment by Type

5.3.1 World Isolated Digital I/O Card Production by Type (2021-2032)

5.3.2 World Isolated Digital I/O Card Production Value by Type (2021-2032)

5.3.3 World Isolated Digital I/O Card Average Price by Type (2021-2032)

6 MARKET ANALYSIS BY ISOLATION WITHSTAND VOLTAGE RATING

6.1 World Isolated Digital I/O Card Market Size Overview by Isolation Withstand Voltage Rating: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Isolation Withstand Voltage Rating

6.2.1 1.5 kVrms

6.2.2 2.5 kVrms

6.2.3 3 kVrms

6.2.4 5 kVrms

6.3 Market Segment by Isolation Withstand Voltage Rating

6.3.1 World Isolated Digital I/O Card Production by Isolation Withstand Voltage Rating (2021-2032)

6.3.2 World Isolated Digital I/O Card Production Value by Isolation Withstand Voltage Rating (2021-2032)

6.3.3 World Isolated Digital I/O Card Average Price by Isolation Withstand Voltage Rating (2021-2032)

7 MARKET ANALYSIS BY INPUT RESPONSE TIME

7.1 World Isolated Digital I/O Card Market Size Overview by Input Response Time: 2021 VS 2025 VS 2032

7.2 Segment Introduction by Input Response Time

7.2.1

List Of Tables

LIST OF TABLES

- Table 1. World External Semiconductor Photomask Production Value by Region (2021, 2025 and 2032) & (USD Million)
- Table 2. World External Semiconductor Photomask Production Value by Region (2021-2026) & (USD Million)
- Table 3. World External Semiconductor Photomask Production Value by Region (2027-2032) & (USD Million)
- Table 4. World External Semiconductor Photomask Production Value Market Share by Region (2021-2026)
- Table 5. World External Semiconductor Photomask Production Value Market Share by Region (2027-2032)
- Table 6. World External Semiconductor Photomask Production by Region (2021-2026) & (K Sqm)
- Table 7. World External Semiconductor Photomask Production by Region (2027-2032) & (K Sqm)
- Table 8. World External Semiconductor Photomask Production Market Share by Region (2021-2026)
- Table 9. World External Semiconductor Photomask Production Market Share by Region (2027-2032)
- Table 10. World External Semiconductor Photomask Average Price by Region (2021-2026) & (US\$/Sq m)
- Table 11. World External Semiconductor Photomask Average Price by Region (2027-2032) & (US\$/Sq m)
- Table 12. External Semiconductor Photomask Major Market Trends
- Table 13. World External Semiconductor Photomask Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (K Sqm)
- Table 14. World External Semiconductor Photomask Consumption by Region (2021-2026) & (K Sqm)
- Table 15. World External Semiconductor Photomask Consumption Forecast by Region (2027-2032) & (K Sqm)
- Table 16. World External Semiconductor Photomask Production Value by Manufacturer (2021-2026) & (USD Million)
- Table 17. Production Value Market Share of Key External Semiconductor Photomask Producers in 2025
- Table 18. World External Semiconductor Photomask Production by Manufacturer (2021-2026) & (K Sqm)

Table 19. Production Market Share of Key External Semiconductor Photomask Producers in 2025

Table 20. World External Semiconductor Photomask Average Price by Manufacturer (2021-2026) & (US\$/Sq m)

Table 21. Global External Semiconductor Photomask Company Evaluation Quadrant

Table 22. World External Semiconductor Photomask Industry Rank of Major Manufacturers, Based on Production Value in 2025

Table 23. Head Office and External Semiconductor Photomask Production Site of Key Manufacturer

Table 24. External Semiconductor Photomask Market: Company Product Type Footprint

Table 25. External Semiconductor Photomask Market: Company Product Application Footprint

Table 26. External Semiconductor Photomask Competitive Factors

Table 27. External Semiconductor Photomask New Entrant and Capacity Expansion Plans

Table 28. External Semiconductor Photomask Mergers & Acquisitions Activity

Table 29. United States VS China External Semiconductor Photomask Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 30. United States VS China External Semiconductor Photomask Production Comparison, (2021 & 2025 & 2032) & (K Sqm)

Table 31. United States VS China External Semiconductor Photomask Consumption Comparison, (2021 & 2025 & 2032) & (K Sqm)

Table 32. United States Based External Semiconductor Photomask Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers External Semiconductor Photomask Production Value, (2021-2026) & (USD Million)

Table 34. United States Based Manufacturers External Semiconductor Photomask Production Value Market Share (2021-2026)

Table 35. United States Based Manufacturers External Semiconductor Photomask Production (2021-2026) & (K Sqm)

Table 36. United States Based Manufacturers External Semiconductor Photomask Production Market Share (2021-2026)

Table 37. China Based External Semiconductor Photomask Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers External Semiconductor Photomask Production Value, (2021-2026) & (USD Million)

Table 39. China Based Manufacturers External Semiconductor Photomask Production Value Market Share (2021-2026)

Table 40. China Based Manufacturers External Semiconductor Photomask Production,

(2021-2026) & (K Sqm)

Table 41. China Based Manufacturers External Semiconductor Photomask Production Market Share (2021-2026)

Table 42. Rest of World Based External Semiconductor Photomask Manufacturers, Headquarters and Production Site (State, Country)

Table 43. Rest of World Based Manufacturers External Semiconductor Photomask Production Value, (2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers External Semiconductor Photomask Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers External Semiconductor Photomask Production, (2021-2026) & (K Sqm)

Table 46. Rest of World Based Manufacturers External Semiconductor Photomask Production Market Share (2021-2026)

Table 47. World External Semiconductor Photomask Production Value by Type, (USD Million), 2021 & 2025 & 2032

Table 48. World External Semiconductor Photomask Production by Type (2021-2026) & (K Sqm)

Table 49. World External Semiconductor Photomask Production by Type (2027-2032) & (K Sqm)

Table 50. World External Semiconductor Photomask Production Value by Type (2021-2026) & (USD Million)

Table 51. World External Semiconductor Photomask Production Value by Type (2027-2032) & (USD Million)

Table 52. World External Semiconductor Photomask Average Price by Type (2021-2026) & (US\$/Sq m)

Table 53. World External Semiconductor Photomask Average Price by Type (2027-2032) & (US\$/Sq m)

Table 54. World External Semiconductor Photomask Production Value by Lithography Light Source, (USD Million), 2021 & 2025 & 2032

Table 55. World External Semiconductor Photomask Production by Lithography Light Source (2021-2026) & (K Sqm)

Table 56. World External Semiconductor Photomask Production by Lithography Light Source (2027-2032) & (K Sqm)

Table 57. World External Semiconductor Photomask Production Value by Lithography Light Source (2021-2026) & (USD Million)

Table 58. World External Semiconductor Photomask Production Value by Lithography Light Source (2027-2032) & (USD Million)

Table 59. World External Semiconductor Photomask Average Price by Lithography Light Source (2021-2026) & (US\$/Sq m)

- Table 60. World External Semiconductor Photomask Average Price by Lithography Light Source (2027-2032) & (US\$/Sq m)
- Table 61. World External Semiconductor Photomask Production Value by Process Precision, (USD Million), 2021 & 2025 & 2032
- Table 62. World External Semiconductor Photomask Production by Process Precision (2021-2026) & (K Sqm)
- Table 63. World External Semiconductor Photomask Production by Process Precision (2027-2032) & (K Sqm)
- Table 64. World External Semiconductor Photomask Production Value by Process Precision (2021-2026) & (USD Million)
- Table 65. World External Semiconductor Photomask Production Value by Process Precision (2027-2032) & (USD Million)
- Table 66. World External Semiconductor Photomask Average Price by Process Precision (2021-2026) & (US\$/Sq m)
- Table 67. World External Semiconductor Photomask Average Price by Process Precision (2027-2032) & (US\$/Sq m)
- Table 68. World External Semiconductor Photomask Production Value by Application, (USD Million), 2021 & 2025 & 2032
- Table 69. World External Semiconductor Photomask Production by Application (2021-2026) & (K Sqm)
- Table 70. World External Semiconductor Photomask Production by Application (2027-2032) & (K Sqm)
- Table 71. World External Semiconductor Photomask Production Value by Application (2021-2026) & (USD Million)
- Table 72. World External Semiconductor Photomask Production Value by Application (2027-2032) & (USD Million)
- Table 73. World External Semiconductor Photomask Average Price by Application (2021-2026) & (US\$/Sq m)
- Table 74. World External Semiconductor Photomask Average Price by Application (2027-2032) & (US\$/Sq m)
- Table 75. Tekscend Photomask Basic Information, Manufacturing Base and Competitors
- Table 76. Tekscend Photomask Major Business
- Table 77. Tekscend Photomask External Semiconductor Photomask Product and Services
- Table 78. Tekscend Photomask External Semiconductor Photomask Production (K Sqm), Price (US\$/Sq m), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 79. Tekscend Photomask Recent Developments/Updates

- Table 80. Tekscend Photomask Competitive Strengths & Weaknesses
- Table 81. Photronics Basic Information, Manufacturing Base and Competitors
- Table 82. Photronics Major Business
- Table 83. Photronics External Semiconductor Photomask Product and Services
- Table 84. Photronics External Semiconductor Photomask Production (K Sqm), Price (US\$/Sq m), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 85. Photronics Recent Developments/Updates
- Table 86. Photronics Competitive Strengths & Weaknesses
- Table 87. DNP Basic Information, Manufacturing Base and Competitors
- Table 88. DNP Major Business
- Table 89. DNP External Semiconductor Photomask Product and Services
- Table 90. DNP External Semiconductor Photomask Production (K Sqm), Price (US\$/Sq m), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 91. DNP Recent Developments/Updates
- Table 92. DNP Competitive Strengths & Weaknesses
- Table 93. Hoya Basic Information, Manufacturing Base and Competitors
- Table 94. Hoya Major Business
- Table 95. Hoya External Semiconductor Photomask Product and Services
- Table 96. Hoya External Semiconductor Photomask Production (K Sqm), Price (US\$/Sq m), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 97. Hoya Recent Developments/Updates
- Table 98. Hoya Competitive Strengths & Weaknesses
- Table 99. SK-Electronics Basic Information, Manufacturing Base and Competitors
- Table 100. SK-Electronics Major Business
- Table 101. SK-Electronics External Semiconductor Photomask Product and Services
- Table 102. SK-Electronics External Semiconductor Photomask Production (K Sqm), Price (US\$/Sq m), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 103. SK-Electronics Recent Developments/Updates
- Table 104. SK-Electronics Competitive Strengths & Weaknesses
- Table 105. Taiwan Mask Basic Information, Manufacturing Base and Competitors
- Table 106. Taiwan Mask Major Business
- Table 107. Taiwan Mask External Semiconductor Photomask Product and Services
- Table 108. Taiwan Mask External Semiconductor Photomask Production (K Sqm), Price (US\$/Sq m), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 109. Taiwan Mask Recent Developments/Updates
- Table 110. Taiwan Mask Competitive Strengths & Weaknesses

- Table 111. ShenZheng QingVi Basic Information, Manufacturing Base and Competitors
- Table 112. ShenZheng QingVi Major Business
- Table 113. ShenZheng QingVi External Semiconductor Photomask Product and Services
- Table 114. ShenZheng QingVi External Semiconductor Photomask Production (K Sqm), Price (US\$/Sq m), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 115. ShenZheng QingVi Recent Developments/Updates
- Table 116. ShenZheng QingVi Competitive Strengths & Weaknesses
- Table 117. Newway Photomask Basic Information, Manufacturing Base and Competitors
- Table 118. Newway Photomask Major Business
- Table 119. Newway Photomask External Semiconductor Photomask Product and Services
- Table 120. Newway Photomask External Semiconductor Photomask Production (K Sqm), Price (US\$/Sq m), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 121. Newway Photomask Recent Developments/Updates
- Table 122. Newway Photomask Competitive Strengths & Weaknesses
- Table 123. Compugraphics Basic Information, Manufacturing Base and Competitors
- Table 124. Compugraphics Major Business
- Table 125. Compugraphics External Semiconductor Photomask Product and Services
- Table 126. Compugraphics External Semiconductor Photomask Production (K Sqm), Price (US\$/Sq m), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 127. Compugraphics Recent Developments/Updates
- Table 128. Compugraphics Competitive Strengths & Weaknesses
- Table 129. Nippon Filcon Basic Information, Manufacturing Base and Competitors
- Table 130. Nippon Filcon Major Business
- Table 131. Nippon Filcon External Semiconductor Photomask Product and Services
- Table 132. Nippon Filcon External Semiconductor Photomask Production (K Sqm), Price (US\$/Sq m), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 133. Nippon Filcon Recent Developments/Updates
- Table 134. Nippon Filcon Competitive Strengths & Weaknesses
- Table 135. Shenzhen Longtu Photomask Basic Information, Manufacturing Base and Competitors
- Table 136. Shenzhen Longtu Photomask Major Business
- Table 137. Shenzhen Longtu Photomask External Semiconductor Photomask Product

and Services

Table 138. Shenzhen Longtu Photomask External Semiconductor Photomask Production (K Sqm), Price (US\$/Sq m), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 139. Shenzhen Longtu Photomask Recent Developments/Updates

Table 140. Shenzhen Longtu Photomask Competitive Strengths & Weaknesses

Table 141. Global Key Players of External Semiconductor Photomask Upstream (Raw Materials)

Table 142. Global External Semiconductor Photomask Typical Customers

Table 143. External Semiconductor Photomask Typical Distributors

List Of Figures

LIST OF FIGURES

- Figure 1. External Semiconductor Photomask Picture
- Figure 2. World External Semiconductor Photomask Production Value: 2021 & 2025 & 2032, (USD Million)
- Figure 3. World External Semiconductor Photomask Production Value and Forecast (2021-2032) & (USD Million)
- Figure 4. World External Semiconductor Photomask Production (2021-2032) & (K Sqm)
- Figure 5. World External Semiconductor Photomask Average Price (2021-2032) & (US\$/Sq m)
- Figure 6. World External Semiconductor Photomask Production Value Market Share by Region (2021-2032)
- Figure 7. World External Semiconductor Photomask Production Market Share by Region (2021-2032)
- Figure 8. North America External Semiconductor Photomask Production (2021-2032) & (K Sqm)
- Figure 9. Europe External Semiconductor Photomask Production (2021-2032) & (K Sqm)
- Figure 10. China External Semiconductor Photomask Production (2021-2032) & (K Sqm)
- Figure 11. Japan External Semiconductor Photomask Production (2021-2032) & (K Sqm)
- Figure 12. South Korea External Semiconductor Photomask Production (2021-2032) & (K Sqm)
- Figure 13. Southeast Asia External Semiconductor Photomask Production (2021-2032) & (K Sqm)
- Figure 14. China Taiwan External Semiconductor Photomask Production (2021-2032) & (K Sqm)
- Figure 15. External Semiconductor Photomask Market Drivers
- Figure 16. Factors Affecting Demand
- Figure 17. World External Semiconductor Photomask Consumption (2021-2032) & (K Sqm)
- Figure 18. World External Semiconductor Photomask Consumption Market Share by Region (2021-2032)
- Figure 19. United States External Semiconductor Photomask Consumption (2021-2032) & (K Sqm)
- Figure 20. China External Semiconductor Photomask Consumption (2021-2032) & (K

Sqm)

Figure 21. Europe External Semiconductor Photomask Consumption (2021-2032) & (K Sqm)

Figure 22. Japan External Semiconductor Photomask Consumption (2021-2032) & (K Sqm)

Figure 23. South Korea External Semiconductor Photomask Consumption (2021-2032) & (K Sqm)

Figure 24. ASEAN External Semiconductor Photomask Consumption (2021-2032) & (K Sqm)

Figure 25. India External Semiconductor Photomask Consumption (2021-2032) & (K Sqm)

Figure 26. Producer Shipments of External Semiconductor Photomask by Manufacturer Revenue (\$MM) and Market Share (%): 2025

Figure 27. Global Four-firm Concentration Ratios (CR4) for External Semiconductor Photomask Markets in 2025

Figure 28. Global Four-firm Concentration Ratios (CR8) for External Semiconductor Photomask Markets in 2025

Figure 29. United States VS China: External Semiconductor Photomask Production Value Market Share Comparison (2021 & 2025 & 2032)

Figure 30. United States VS China: External Semiconductor Photomask Production Market Share Comparison (2021 & 2025 & 2032)

Figure 31. United States VS China: External Semiconductor Photomask Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 32. United States Based Manufacturers External Semiconductor Photomask Production Market Share 2025

Figure 33. China Based Manufacturers External Semiconductor Photomask Production Market Share 2025

Figure 34. Rest of World Based Manufacturers External Semiconductor Photomask Production Market Share 2025

Figure 35. World External Semiconductor Photomask Production Value by Type, (USD Million), 2021 & 2025 & 2032

Figure 36. World External Semiconductor Photomask Production Value Market Share by Type in 2025

Figure 37. Quartz Photomask

Figure 38. Soda Lime Glass Photomask

Figure 39. Others

Figure 40. World External Semiconductor Photomask Production Market Share by Type (2021-2032)

Figure 41. World External Semiconductor Photomask Production Value Market Share

by Type (2021-2032)

Figure 42. World External Semiconductor Photomask Average Price by Type (2021-2032) & (US\$/Sq m)

Figure 43. World External Semiconductor Photomask Production Value by Lithography Light Source, (USD Million), 2021 & 2025 & 2032

Figure 44. World External Semiconductor Photomask Production Value Market Share by Lithography Light Source in 2025

Figure 45. UV Photomask

Figure 46. DUV Photomask

Figure 47. EUV Photomask

Figure 48. Others

Figure 49. World External Semiconductor Photomask Production Market Share by Lithography Light Source (2021-2032)

Figure 50. World External Semiconductor Photomask Production Value Market Share by Lithography Light Source (2021-2032)

Figure 51. World External Semiconductor Photomask Average Price by Lithography Light Source (2021-2032) & (US\$/Sq m)

Figure 52. World External Semiconductor Photomask Production Value by Process Precision, (USD Million), 2021 & 2025 & 2032

Figure 53. World External Semiconductor Photomask Production Value Market Share by Process Precision in 2025

Figure 54. Advanced Process Photomask

Figure 55. Mature Process Photomask

Figure 56. Low-end Process Photomask

Figure 57. World External Semiconductor Photomask Production Market Share by Process Precision (2021-2032)

Figure 58. World External Semiconductor Photomask Production Value Market Share by Process Precision (2021-2032)

Figure 59. World External Semiconductor Photomask Average Price by Process Precision (2021-2032) & (US\$/Sq m)

Figure 60. World External Semiconductor Photomask Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 61. World External Semiconductor Photomask Production Value Market Share by Application in 2025

Figure 62. Logic Chips

Figure 63. Memory Chips

Figure 64. Power Semiconductors

Figure 65. RF Chips

Figure 66. MEMS Devices

Figure 67. Others

Figure 68. World External Semiconductor Photomask Production Market Share by Application (2021-2032)

Figure 69. World External Semiconductor Photomask Production Value Market Share by Application (2021-2032)

Figure 70. World External Semiconductor Photomask Average Price by Application (2021-2032) & (US\$/Sq m)

Figure 71. External Semiconductor Photomask Industry Chain

Figure 72. External Semiconductor Photomask Procurement Model

Figure 73. External Semiconductor Photomask Sales Model

Figure 74. External Semiconductor Photomask Sales Channels, Direct Sales, and Distribution

Figure 75. Methodology

Figure 76. Research Process and Data Source

I would like to order

Product name: Global External Semiconductor Photomask Supply, Demand and Key Producers, 2026-2032

Product link: <https://marketpublishers.com/r/G037255F7E46EN.html>

Price: US\$ 4,480.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G037255F7E46EN.html>