

Global Quartz Masks Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/G077E4B029C3EN.html>

Date: July 2026

Pages: 137

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

ID: G077E4B029C3EN

Abstracts

The global Quartz Masks market size is expected to reach \$ 5197 million by 2032, rising at a market growth of 5.2% CAGR during the forecast period (2026-2032).

A quartz mask is a high-precision optical template using high-purity quartz glass as a substrate. A metallic light-shielding layer (usually chromium, Cr) is deposited on the surface, and intricate patterns are formed through photolithography and etching processes. It is primarily used in the pattern transfer process during the manufacturing of semiconductors, display panels, PCBs, MEMS, and optoelectronic devices. Its core function is to project pre-designed micro-circuits or structural patterns onto the surface of wafers, glass substrates, or photosensitive materials using ultraviolet or extreme ultraviolet light in exposure equipment. It is one of the key fundamental materials in modern microelectronics manufacturing.

The upstream of the industry chain mainly includes high-purity quartz substrates, chromium targets, photoresists, coating materials, electron beam exposure equipment, defect detection equipment, and ultra-clean processing materials, among which high-purity quartz glass and EUV mask blanks are core key materials. The midstream consists of quartz mask design, manufacturing, and repair companies, involving high-precision processes such as electron beam exposure, chromium plating, photolithography, etching, defect detection, and pattern repair. The downstream is mainly used in semiconductor wafer manufacturing, OLED/LCD display panels, PCB circuit boards, MEMS devices, optical communication, and micro-nano processing. AI chips, advanced processes (5nm/3nm), EUV lithography, and high-end display panels are becoming the fastest-growing areas for quartz mask demand.

In 2025, global quartz mask sales reached 234,000 pieces, with a production capacity

of approximately 334,000 pieces, an average selling price of US\$15,200 per piece, and an average gross profit margin of 30%-40%.

In terms of products and technology, the quartz mask industry is upgrading from traditional binary photomasks to Phase Shift Masks (PSM), EUV Masks, and high-precision multilayer masks. Current advanced semiconductor processes rely on EUV lithography, requiring nanometer-level flatness, defect rate, and pattern accuracy in quartz substrates. Simultaneously, large-size display panels are driving the expansion of high-generation mask sizes, while advanced packaging, chiplets, and MEMS technologies are driving the demand for high-precision microstructure masks. In the future, the industry will further develop towards low defect rates, high transmittance, ultra-high precision, and intelligent detection, while AI defect detection and automatic repair systems are beginning to enter high-end mask manufacturing processes.

Regarding the policy environment, the restructuring of the global semiconductor supply chain, chip localization, and advanced manufacturing self-sufficiency are profoundly impacting the quartz photomask industry. The United States, Japan, and Europe are increasingly strengthening export controls on advanced lithography and semiconductor equipment, while China continues to increase its support for the localization of semiconductor materials and photomasks. At the same time, global wafer fab expansion, advanced packaging investment, and the growing demand for AI chips are bringing new growth opportunities to the quartz mask industry. However, the industry also faces challenges such as huge equipment investment, rapid technological iteration, high difficulty of EUV process, and long customer certification cycle.

This report studies the global Quartz Masks production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Quartz Masks 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 Quartz Masks that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Quartz Masks total production and demand, 2021-2032, (K Pcs)

Global Quartz Masks total production value, 2021-2032, (USD Million)

Global Quartz Masks production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Pcs), (based on production site)

Global Quartz Masks consumption by region & country, CAGR, 2021-2032 & (K Pcs)

U.S. VS China: Quartz Masks domestic production, consumption, key domestic manufacturers and share

Global Quartz Masks production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Pcs)

Global Quartz Masks production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Pcs)

Global Quartz Masks production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Pcs)

This report profiles key players in the global Quartz Masks 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 Photronics, Toppan, DNP, Hoya, SK-Electronics, LG Innotek, Tosoh, Shin-Etsu Chemical, Longtu Photomask, QingVi, 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 Quartz Masks market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Pcs) and average price (US\$/Pcs) 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 Quartz Masks Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Quartz Masks Market, Segmentation by Type:

Binary Mask

Phase Shift Mask

EUV Mask

Attenuated PSM Mask

Global Quartz Masks Market, Segmentation by Accuracy:

≤200nm

200-350nm

≥350nm

Global Quartz Masks Market, Segmentation by Light-Blocking Material:

Chrome Mask

Non-Chrome Mask

Global Quartz Masks Market, Segmentation by Application:

Semiconductor Wafer Manufacturing

OLED/LCD Display Panel Manufacturing

PCB Circuit Board Manufacturing

MEMS Device Manufacturing

Optical Communication

Advanced Packaging

Other

Companies Profiled:

Photronics

Toppan

DNP

Hoya

SK-Electronics

LG Innotek

Tosoh

Shin-Etsu Chemical

Longtu Photomask

QingVi

Taiwan Mask

Newway Photomask

Keystone

Changsha Shaoguang Semiconductor Materials

OMNISUN Information Materials

Feilihua

Zhongtian Technology

Pacific Quartz

Key Questions Answered:

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

Contents

1 SUPPLY SUMMARY

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

2 DEMAND SUMMARY

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

3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

3.1 World Quartz Masks Production Value by Manufacturer (2021-2026)

3.2 World Quartz Masks Production by Manufacturer (2021-2026)

3.3 World Quartz Masks Average Price by Manufacturer (2021-2026)

3.4 Quartz Masks Company Evaluation Quadrant

3.5 Industry Rank and Concentration Rate (CR)

3.5.1 Global Quartz Masks Industry Rank of Major Manufacturers

3.5.2 Global Concentration Ratios (CR4) for Quartz Masks in 2025

3.5.3 Global Concentration Ratios (CR8) for Quartz Masks in 2025

3.6 Quartz Masks Market: Overall Company Footprint Analysis

3.6.1 Quartz Masks Market: Region Footprint

3.6.2 Quartz Masks Market: Company Product Type Footprint

3.6.3 Quartz Masks 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: Quartz Masks Production Value Comparison

4.1.1 United States VS China: Quartz Masks Production Value Comparison (2021 & 2025 & 2032)

4.1.2 United States VS China: Quartz Masks Production Value Market Share Comparison (2021 & 2025 & 2032)

4.2 United States VS China: Quartz Masks Production Comparison

4.2.1 United States VS China: Quartz Masks Production Comparison (2021 & 2025 & 2032)

4.2.2 United States VS China: Quartz Masks Production Market Share Comparison (2021 & 2025 & 2032)

4.3 United States VS China: Quartz Masks Consumption Comparison

4.3.1 United States VS China: Quartz Masks Consumption Comparison (2021 & 2025 & 2032)

4.3.2 United States VS China: Quartz Masks Consumption Market Share Comparison (2021 & 2025 & 2032)

4.4 United States Based Quartz Masks Manufacturers and Market Share, 2021-2026

4.4.1 United States Based Quartz Masks Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Quartz Masks Production Value (2021-2026)

4.4.3 United States Based Manufacturers Quartz Masks Production (2021-2026)

4.5 China Based Quartz Masks Manufacturers and Market Share

4.5.1 China Based Quartz Masks Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Quartz Masks Production Value (2021-2026)

4.5.3 China Based Manufacturers Quartz Masks Production (2021-2026)

4.6 Rest of World Based Quartz Masks Manufacturers and Market Share, 2021-2026

4.6.1 Rest of World Based Quartz Masks Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Quartz Masks Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers Quartz Masks Production (2021-2026)

5 MARKET ANALYSIS BY TYPE

5.1 World Quartz Masks Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 Binary Mask

5.2.2 Phase Shift Mask

5.2.3 EUV Mask

5.2.4 Attenuated PSM Mask

5.3 Market Segment by Type

5.3.1 World Quartz Masks Production by Type (2021-2032)

5.3.2 World Quartz Masks Production Value by Type (2021-2032)

5.3.3 World Quartz Masks Average Price by Type (2021-2032)

6 MARKET ANALYSIS BY ACCURACY

6.1 World Quartz Masks Market Size Overview by Accuracy: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Accuracy

6.2.1 ?200nm

6.2.2 200-350nm

6.2.3 ?350nm

6.3 Market Segment by Accuracy

6.3.1 World Quartz Masks Production by Accuracy (2021-2032)

6.3.2 World Quartz Masks Production Value by Accuracy (2021-2032)

6.3.3 World Quartz Masks Average Price by Accuracy (2021-2032)

7 MARKET ANALYSIS BY LIGHT-BLOCKING MATERIAL

7.1 World Quartz Masks Market Size Overview by Light-Blocking Material: 2021 VS 2025 VS 2032

7.2 Segment Introduction by Light-Blocking Material

7.2.1 Chrome Mask

7.2.2 Non-Chrome Mask

7.3 Market Segment by Light-Blocking Material

7.3.1 World Quartz Masks Production by Light-Blocking Material (2021-2032)

7.3.2 World Quartz Masks Production Value by Light-Blocking Material (2021-2032)

7.3.3 World Quartz Masks Average Price by Light-Blocking Material (2021-2032)

8 MARKET ANALYSIS BY APPLICATION

8.1 World Quartz Masks Market Size Overview by Application: 2021 VS 2025 VS 2032

8.2 Segment Introduction by Application

8.2.1 Semiconductor Wafer Manufacturing

8.2.2 OLED/LCD Display Panel Manufacturing

8.2.3 PCB Circuit Board Manufacturing

8.2.4 MEMS Device Manufacturing

8.2.5 Optical Communication

8.2.6 Advanced Packaging

8.2.7 Other

8.3 Market Segment by Application

8.3.1 World Quartz Masks Production by Application (2021-2032)

8.3.2 World Quartz Masks Production Value by Application (2021-2032)

8.3.3 World Quartz Masks Average Price by Application (2021-2032)

9 COMPANY PROFILES

9.1 Photronics

9.1.1 Photronics Details

9.1.2 Photronics Major Business

9.1.3 Photronics Quartz Masks Product and Services

9.1.4 Photronics Quartz Masks Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.1.5 Photronics Recent Developments/Updates

9.1.6 Photronics Competitive Strengths & Weaknesses

9.2 Toppan

9.2.1 Toppan Details

9.2.2 Toppan Major Business

9.2.3 Toppan Quartz Masks Product and Services

9.2.4 Toppan Quartz Masks Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.2.5 Toppan Recent Developments/Updates

9.2.6 Toppan Competitive Strengths & Weaknesses

9.3 DNP

9.3.1 DNP Details

9.3.2 DNP Major Business

9.3.3 DNP Quartz Masks Product and Services

9.3.4 DNP Quartz Masks Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.3.5 DNP Recent Developments/Updates

9.3.6 DNP Competitive Strengths & Weaknesses

9.4 Hoya

9.4.1 Hoya Details

9.4.2 Hoya Major Business

9.4.3 Hoya Quartz Masks Product and Services

9.4.4 Hoya Quartz Masks Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.4.5 Hoya Recent Developments/Updates

9.4.6 Hoya Competitive Strengths & Weaknesses

9.5 SK-Electronics

9.5.1 SK-Electronics Details

9.5.2 SK-Electronics Major Business

9.5.3 SK-Electronics Quartz Masks Product and Services

9.5.4 SK-Electronics Quartz Masks Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.5.5 SK-Electronics Recent Developments/Updates

9.5.6 SK-Electronics Competitive Strengths & Weaknesses

9.6 LG Innotek

9.6.1 LG Innotek Details

9.6.2 LG Innotek Major Business

9.6.3 LG Innotek Quartz Masks Product and Services

9.6.4 LG Innotek Quartz Masks Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.6.5 LG Innotek Recent Developments/Updates

9.6.6 LG Innotek Competitive Strengths & Weaknesses

9.7 Tosoh

9.7.1 Tosoh Details

9.7.2 Tosoh Major Business

9.7.3 Tosoh Quartz Masks Product and Services

9.7.4 Tosoh Quartz Masks Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.7.5 Tosoh Recent Developments/Updates

9.7.6 Tosoh Competitive Strengths & Weaknesses

9.8 Shin-Etsu Chemical

9.8.1 Shin-Etsu Chemical Details

9.8.2 Shin-Etsu Chemical Major Business

9.8.3 Shin-Etsu Chemical Quartz Masks Product and Services

9.8.4 Shin-Etsu Chemical Quartz Masks Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.8.5 Shin-Etsu Chemical Recent Developments/Updates

9.8.6 Shin-Etsu Chemical Competitive Strengths & Weaknesses

9.9 Longtu Photomask

9.9.1 Longtu Photomask Details

9.9.2 Longtu Photomask Major Business

9.9.3 Longtu Photomask Quartz Masks Product and Services

9.9.4 Longtu Photomask Quartz Masks Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.9.5 Longtu Photomask Recent Developments/Updates

9.9.6 Longtu Photomask Competitive Strengths & Weaknesses

9.10 QingVi

9.10.1 QingVi Details

9.10.2 QingVi Major Business

9.10.3 QingVi Quartz Masks Product and Services

9.10.4 QingVi Quartz Masks Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.10.5 QingVi Recent Developments/Updates

9.10.6 QingVi Competitive Strengths & Weaknesses

9.11 Taiwan Mask

9.11.1 Taiwan Mask Details

9.11.2 Taiwan Mask Major Business

9.11.3 Taiwan Mask Quartz Masks Product and Services

9.11.4 Taiwan Mask Quartz Masks Production, Price, Value, Gross Margin and Market Share (2021-2026)

- 9.11.5 Taiwan Mask Recent Developments/Updates
- 9.11.6 Taiwan Mask Competitive Strengths & Weaknesses
- 9.12 Newway Photomask
 - 9.12.1 Newway Photomask Details
 - 9.12.2 Newway Photomask Major Business
 - 9.12.3 Newway Photomask Quartz Masks Product and Services
 - 9.12.4 Newway Photomask Quartz Masks Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.12.5 Newway Photomask Recent Developments/Updates
 - 9.12.6 Newway Photomask Competitive Strengths & Weaknesses
- 9.13 Keystone
 - 9.13.1 Keystone Details
 - 9.13.2 Keystone Major Business
 - 9.13.3 Keystone Quartz Masks Product and Services
 - 9.13.4 Keystone Quartz Masks Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.13.5 Keystone Recent Developments/Updates
 - 9.13.6 Keystone Competitive Strengths & Weaknesses
- 9.14 Changsha Shaoguang Semiconductor Materials
 - 9.14.1 Changsha Shaoguang Semiconductor Materials Details
 - 9.14.2 Changsha Shaoguang Semiconductor Materials Major Business
 - 9.14.3 Changsha Shaoguang Semiconductor Materials Quartz Masks Product and Services
 - 9.14.4 Changsha Shaoguang Semiconductor Materials Quartz Masks Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.14.5 Changsha Shaoguang Semiconductor Materials Recent Developments/Updates
 - 9.14.6 Changsha Shaoguang Semiconductor Materials Competitive Strengths & Weaknesses
- 9.15 OMNISUN Information Materials
 - 9.15.1 OMNISUN Information Materials Details
 - 9.15.2 OMNISUN Information Materials Major Business
 - 9.15.3 OMNISUN Information Materials Quartz Masks Product and Services
 - 9.15.4 OMNISUN Information Materials Quartz Masks Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.15.5 OMNISUN Information Materials Recent Developments/Updates
 - 9.15.6 OMNISUN Information Materials Competitive Strengths & Weaknesses
- 9.16 Feilihua
 - 9.16.1 Feilihua Details
 - 9.16.2 Feilihua Major Business

- 9.16.3 Feilihua Quartz Masks Product and Services
- 9.16.4 Feilihua Quartz Masks Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.16.5 Feilihua Recent Developments/Updates
- 9.16.6 Feilihua Competitive Strengths & Weaknesses
- 9.17 Zhongtian Technology
 - 9.17.1 Zhongtian Technology Details
 - 9.17.2 Zhongtian Technology Major Business
 - 9.17.3 Zhongtian Technology Quartz Masks Product and Services
 - 9.17.4 Zhongtian Technology Quartz Masks Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.17.5 Zhongtian Technology Recent Developments/Updates
 - 9.17.6 Zhongtian Technology Competitive Strengths & Weaknesses
- 9.18 Pacific Quartz
 - 9.18.1 Pacific Quartz Details
 - 9.18.2 Pacific Quartz Major Business
 - 9.18.3 Pacific Quartz Quartz Masks Product and Services
 - 9.18.4 Pacific Quartz Quartz Masks Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.18.5 Pacific Quartz Recent Developments/Updates
 - 9.18.6 Pacific Quartz Competitive Strengths & Weaknesses

10 INDUSTRY CHAIN ANALYSIS

- 10.1 Quartz Masks Industry Chain
- 10.2 Quartz Masks Upstream Analysis
 - 10.2.1 Quartz Masks Core Raw Materials
 - 10.2.2 Main Manufacturers of Quartz Masks Core Raw Materials
- 10.3 Midstream Analysis
- 10.4 Downstream Analysis
- 10.5 Quartz Masks Production Mode
- 10.6 Quartz Masks Procurement Model
- 10.7 Quartz Masks Industry Sales Model and Sales Channels
 - 10.7.1 Quartz Masks Sales Model
 - 10.7.2 Quartz Masks Typical Distributors

11 RESEARCH FINDINGS AND CONCLUSION

12 APPENDIX

12.1 Methodology

12.2 Research Process and Data Source

12.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. World Quartz Masks Production Value by Region (2021, 2025 and 2032) & (USD Million)

Table 2. World Quartz Masks Production Value by Region (2021-2026) & (USD Million)

Table 3. World Quartz Masks Production Value by Region (2027-2032) & (USD Million)

Table 4. World Quartz Masks Production Value Market Share by Region (2021-2026)

Table 5. World Quartz Masks Production Value Market Share by Region (2027-2032)

Table 6. World Quartz Masks Production by Region (2021-2026) & (K Pcs)

Table 7. World Quartz Masks Production by Region (2027-2032) & (K Pcs)

Table 8. World Quartz Masks Production Market Share by Region (2021-2026)

Table 9. World Quartz Masks Production Market Share by Region (2027-2032)

Table 10. World Quartz Masks Average Price by Region (2021-2026) & (US\$/Pcs)

Table 11. World Quartz Masks Average Price by Region (2027-2032) & (US\$/Pcs)

Table 12. Quartz Masks Major Market Trends

Table 13. World Quartz Masks Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (K Pcs)

Table 14. World Quartz Masks Consumption by Region (2021-2026) & (K Pcs)

Table 15. World Quartz Masks Consumption Forecast by Region (2027-2032) & (K Pcs)

Table 16. World Quartz Masks Production Value by Manufacturer (2021-2026) & (USD Million)

Table 17. Production Value Market Share of Key Quartz Masks Producers in 2025

Table 18. World Quartz Masks Production by Manufacturer (2021-2026) & (K Pcs)

Table 19. Production Market Share of Key Quartz Masks Producers in 2025

Table 20. World Quartz Masks Average Price by Manufacturer (2021-2026) & (US\$/Pcs)

Table 21. Global Quartz Masks Company Evaluation Quadrant

Table 22. World Quartz Masks Industry Rank of Major Manufacturers, Based on Production Value in 2025

Table 23. Head Office and Quartz Masks Production Site of Key Manufacturer

Table 24. Quartz Masks Market: Company Product Type Footprint

Table 25. Quartz Masks Market: Company Product Application Footprint

Table 26. Quartz Masks Competitive Factors

Table 27. Quartz Masks New Entrant and Capacity Expansion Plans

Table 28. Quartz Masks Mergers & Acquisitions Activity

Table 29. United States VS China Quartz Masks Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 30. United States VS China Quartz Masks Production Comparison, (2021 & 2025 & 2032) & (K Pcs)

Table 31. United States VS China Quartz Masks Consumption Comparison, (2021 & 2025 & 2032) & (K Pcs)

Table 32. United States Based Quartz Masks Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Quartz Masks Production Value, (2021-2026) & (USD Million)

Table 34. United States Based Manufacturers Quartz Masks Production Value Market Share (2021-2026)

Table 35. United States Based Manufacturers Quartz Masks Production (2021-2026) & (K Pcs)

Table 36. United States Based Manufacturers Quartz Masks Production Market Share (2021-2026)

Table 37. China Based Quartz Masks Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Quartz Masks Production Value, (2021-2026) & (USD Million)

Table 39. China Based Manufacturers Quartz Masks Production Value Market Share (2021-2026)

Table 40. China Based Manufacturers Quartz Masks Production, (2021-2026) & (K Pcs)

Table 41. China Based Manufacturers Quartz Masks Production Market Share (2021-2026)

Table 42. Rest of World Based Quartz Masks Manufacturers, Headquarters and Production Site (State, Country)

Table 43. Rest of World Based Manufacturers Quartz Masks Production Value, (2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers Quartz Masks Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers Quartz Masks Production, (2021-2026) & (K Pcs)

Table 46. Rest of World Based Manufacturers Quartz Masks Production Market Share (2021-2026)

Table 47. World Quartz Masks Production Value by Type, (USD Million), 2021 & 2025 & 2032

Table 48. World Quartz Masks Production by Type (2021-2026) & (K Pcs)

Table 49. World Quartz Masks Production by Type (2027-2032) & (K Pcs)

Table 50. World Quartz Masks Production Value by Type (2021-2026) & (USD Million)

Table 51. World Quartz Masks Production Value by Type (2027-2032) & (USD Million)

Table 52. World Quartz Masks Average Price by Type (2021-2026) & (US\$/Pcs)
Table 53. World Quartz Masks Average Price by Type (2027-2032) & (US\$/Pcs)
Table 54. World Quartz Masks Production Value by Accuracy, (USD Million), 2021 & 2025 & 2032
Table 55. World Quartz Masks Production by Accuracy (2021-2026) & (K Pcs)
Table 56. World Quartz Masks Production by Accuracy (2027-2032) & (K Pcs)
Table 57. World Quartz Masks Production Value by Accuracy (2021-2026) & (USD Million)
Table 58. World Quartz Masks Production Value by Accuracy (2027-2032) & (USD Million)
Table 59. World Quartz Masks Average Price by Accuracy (2021-2026) & (US\$/Pcs)
Table 60. World Quartz Masks Average Price by Accuracy (2027-2032) & (US\$/Pcs)
Table 61. World Quartz Masks Production Value by Light-Blocking Material, (USD Million), 2021 & 2025 & 2032
Table 62. World Quartz Masks Production by Light-Blocking Material (2021-2026) & (K Pcs)
Table 63. World Quartz Masks Production by Light-Blocking Material (2027-2032) & (K Pcs)
Table 64. World Quartz Masks Production Value by Light-Blocking Material (2021-2026) & (USD Million)
Table 65. World Quartz Masks Production Value by Light-Blocking Material (2027-2032) & (USD Million)
Table 66. World Quartz Masks Average Price by Light-Blocking Material (2021-2026) & (US\$/Pcs)
Table 67. World Quartz Masks Average Price by Light-Blocking Material (2027-2032) & (US\$/Pcs)
Table 68. World Quartz Masks Production Value by Application, (USD Million), 2021 & 2025 & 2032
Table 69. World Quartz Masks Production by Application (2021-2026) & (K Pcs)
Table 70. World Quartz Masks Production by Application (2027-2032) & (K Pcs)
Table 71. World Quartz Masks Production Value by Application (2021-2026) & (USD Million)
Table 72. World Quartz Masks Production Value by Application (2027-2032) & (USD Million)
Table 73. World Quartz Masks Average Price by Application (2021-2026) & (US\$/Pcs)
Table 74. World Quartz Masks Average Price by Application (2027-2032) & (US\$/Pcs)
Table 75. Photonics Basic Information, Manufacturing Base and Competitors
Table 76. Photonics Major Business
Table 77. Photonics Quartz Masks Product and Services

Table 78. Photronics Quartz Masks Production (K Pcs), Price (US\$/Pcs), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 79. Photronics Recent Developments/Updates
Table 80. Photronics Competitive Strengths & Weaknesses
Table 81. Toppan Basic Information, Manufacturing Base and Competitors
Table 82. Toppan Major Business
Table 83. Toppan Quartz Masks Product and Services
Table 84. Toppan Quartz Masks Production (K Pcs), Price (US\$/Pcs), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 85. Toppan Recent Developments/Updates
Table 86. Toppan Competitive Strengths & Weaknesses
Table 87. DNP Basic Information, Manufacturing Base and Competitors
Table 88. DNP Major Business
Table 89. DNP Quartz Masks Product and Services
Table 90. DNP Quartz Masks Production (K Pcs), Price (US\$/Pcs), 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 Quartz Masks Product and Services
Table 96. Hoya Quartz Masks Production (K Pcs), Price (US\$/Pcs), 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 Quartz Masks Product and Services
Table 102. SK-Electronics Quartz Masks Production (K Pcs), Price (US\$/Pcs), 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. LG Innotek Basic Information, Manufacturing Base and Competitors
Table 106. LG Innotek Major Business
Table 107. LG Innotek Quartz Masks Product and Services
Table 108. LG Innotek Quartz Masks Production (K Pcs), Price (US\$/Pcs), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 109. LG Innotek Recent Developments/Updates
Table 110. LG Innotek Competitive Strengths & Weaknesses

Table 111. Tosoh Basic Information, Manufacturing Base and Competitors
Table 112. Tosoh Major Business
Table 113. Tosoh Quartz Masks Product and Services
Table 114. Tosoh Quartz Masks Production (K Pcs), Price (US\$/Pcs), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 115. Tosoh Recent Developments/Updates
Table 116. Tosoh Competitive Strengths & Weaknesses
Table 117. Shin-Etsu Chemical Basic Information, Manufacturing Base and Competitors
Table 118. Shin-Etsu Chemical Major Business
Table 119. Shin-Etsu Chemical Quartz Masks Product and Services
Table 120. Shin-Etsu Chemical Quartz Masks Production (K Pcs), Price (US\$/Pcs), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 121. Shin-Etsu Chemical Recent Developments/Updates
Table 122. Shin-Etsu Chemical Competitive Strengths & Weaknesses
Table 123. Longtu Photomask Basic Information, Manufacturing Base and Competitors
Table 124. Longtu Photomask Major Business
Table 125. Longtu Photomask Quartz Masks Product and Services
Table 126. Longtu Photomask Quartz Masks Production (K Pcs), Price (US\$/Pcs), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 127. Longtu Photomask Recent Developments/Updates
Table 128. Longtu Photomask Competitive Strengths & Weaknesses
Table 129. QingVi Basic Information, Manufacturing Base and Competitors
Table 130. QingVi Major Business
Table 131. QingVi Quartz Masks Product and Services
Table 132. QingVi Quartz Masks Production (K Pcs), Price (US\$/Pcs), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 133. QingVi Recent Developments/Updates
Table 134. QingVi Competitive Strengths & Weaknesses
Table 135. Taiwan Mask Basic Information, Manufacturing Base and Competitors
Table 136. Taiwan Mask Major Business
Table 137. Taiwan Mask Quartz Masks Product and Services
Table 138. Taiwan Mask Quartz Masks Production (K Pcs), Price (US\$/Pcs), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 139. Taiwan Mask Recent Developments/Updates
Table 140. Taiwan Mask Competitive Strengths & Weaknesses
Table 141. Newway Photomask Basic Information, Manufacturing Base and Competitors
Table 142. Newway Photomask Major Business
Table 143. Newway Photomask Quartz Masks Product and Services

Table 144. Newway Photomask Quartz Masks Production (K Pcs), Price (US\$/Pcs), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 145. Newway Photomask Recent Developments/Updates

Table 146. Newway Photomask Competitive Strengths & Weaknesses

Table 147. Keystone Basic Information, Manufacturing Base and Competitors

Table 148. Keystone Major Business

Table 149. Keystone Quartz Masks Product and Services

Table 150. Keystone Quartz Masks Production (K Pcs), Price (US\$/Pcs), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 151. Keystone Recent Developments/Updates

Table 152. Keystone Competitive Strengths & Weaknesses

Table 153. Changsha Shaoguang Semiconductor Materials Basic Information, Manufacturing Base and Competitors

Table 154. Changsha Shaoguang Semiconductor Materials Major Business

Table 155. Changsha Shaoguang Semiconductor Materials Quartz Masks Product and Services

Table 156. Changsha Shaoguang Semiconductor Materials Quartz Masks Production (K Pcs), Price (US\$/Pcs), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 157. Changsha Shaoguang Semiconductor Materials Recent Developments/Updates

Table 158. Changsha Shaoguang Semiconductor Materials Competitive Strengths & Weaknesses

Table 159. OMNISUN Information Materials Basic Information, Manufacturing Base and Competitors

Table 160. OMNISUN Information Materials Major Business

Table 161. OMNISUN Information Materials Quartz Masks Product and Services

Table 162. OMNISUN Information Materials Quartz Masks Production (K Pcs), Price (US\$/Pcs), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 163. OMNISUN Information Materials Recent Developments/Updates

Table 164. OMNISUN Information Materials Competitive Strengths & Weaknesses

Table 165. Feilihua Basic Information, Manufacturing Base and Competitors

Table 166. Feilihua Major Business

Table 167. Feilihua Quartz Masks Product and Services

Table 168. Feilihua Quartz Masks Production (K Pcs), Price (US\$/Pcs), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 169. Feilihua Recent Developments/Updates

Table 170. Feilihua Competitive Strengths & Weaknesses

Table 171. Zhongtian Technology Basic Information, Manufacturing Base and Competitors

Table 172. Zhongtian Technology Major Business

Table 173. Zhongtian Technology Quartz Masks Product and Services

Table 174. Zhongtian Technology Quartz Masks Production (K Pcs), Price (US\$/Pcs), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 175. Zhongtian Technology Recent Developments/Updates

Table 176. Zhongtian Technology Competitive Strengths & Weaknesses

Table 177. Pacific Quartz Basic Information, Manufacturing Base and Competitors

Table 178. Pacific Quartz Major Business

Table 179. Pacific Quartz Quartz Masks Product and Services

Table 180. Pacific Quartz Quartz Masks Production (K Pcs), Price (US\$/Pcs), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 181. Pacific Quartz Recent Developments/Updates

Table 182. Pacific Quartz Competitive Strengths & Weaknesses

Table 183. Global Key Players of Quartz Masks Upstream (Raw Materials)

Table 184. Global Quartz Masks Typical Customers

Table 185. Quartz Masks Typical Distributors

List Of Figures

LIST OF FIGURES

Figure 1. Quartz Masks Picture

Figure 2. World Quartz Masks Production Value: 2021 & 2025 & 2032, (USD Million)

Figure 3. World Quartz Masks Production Value and Forecast (2021-2032) & (USD Million)

Figure 4. World Quartz Masks Production (2021-2032) & (K Pcs)

Figure 5. World Quartz Masks Average Price (2021-2032) & (US\$/Pcs)

Figure 6. World Quartz Masks Production Value Market Share by Region (2021-2032)

Figure 7. World Quartz Masks Production Market Share by Region (2021-2032)

Figure 8. North America Quartz Masks Production (2021-2032) & (K Pcs)

Figure 9. Europe Quartz Masks Production (2021-2032) & (K Pcs)

Figure 10. China Quartz Masks Production (2021-2032) & (K Pcs)

Figure 11. Japan Quartz Masks Production (2021-2032) & (K Pcs)

Figure 12. South Korea Quartz Masks Production (2021-2032) & (K Pcs)

Figure 13. Southeast Asia Quartz Masks Production (2021-2032) & (K Pcs)

Figure 14. China Taiwan Quartz Masks Production (2021-2032) & (K Pcs)

Figure 15. Quartz Masks Market Drivers

Figure 16. Factors Affecting Demand

Figure 17. World Quartz Masks Consumption (2021-2032) & (K Pcs)

Figure 18. World Quartz Masks Consumption Market Share by Region (2021-2032)

Figure 19. United States Quartz Masks Consumption (2021-2032) & (K Pcs)

Figure 20. China Quartz Masks Consumption (2021-2032) & (K Pcs)

Figure 21. Europe Quartz Masks Consumption (2021-2032) & (K Pcs)

Figure 22. Japan Quartz Masks Consumption (2021-2032) & (K Pcs)

Figure 23. South Korea Quartz Masks Consumption (2021-2032) & (K Pcs)

Figure 24. ASEAN Quartz Masks Consumption (2021-2032) & (K Pcs)

Figure 25. India Quartz Masks Consumption (2021-2032) & (K Pcs)

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

Figure 27. Global Four-firm Concentration Ratios (CR4) for Quartz Masks Markets in 2025

Figure 28. Global Four-firm Concentration Ratios (CR8) for Quartz Masks Markets in 2025

Figure 29. United States VS China: Quartz Masks Production Value Market Share Comparison (2021 & 2025 & 2032)

Figure 30. United States VS China: Quartz Masks Production Market Share

Comparison (2021 & 2025 & 2032)

Figure 31. United States VS China: Quartz Masks Consumption Market Share

Comparison (2021 & 2025 & 2032)

Figure 32. United States Based Manufacturers Quartz Masks Production Market Share 2025

Figure 33. China Based Manufacturers Quartz Masks Production Market Share 2025

Figure 34. Rest of World Based Manufacturers Quartz Masks Production Market Share 2025

Figure 35. World Quartz Masks Production Value by Type, (USD Million), 2021 & 2025 & 2032

Figure 36. World Quartz Masks Production Value Market Share by Type in 2025

Figure 37. Binary Mask

Figure 38. Phase Shift Mask

Figure 39. EUV Mask

Figure 40. Attenuated PSM Mask

Figure 41. World Quartz Masks Production Market Share by Type (2021-2032)

Figure 42. World Quartz Masks Production Value Market Share by Type (2021-2032)

Figure 43. World Quartz Masks Average Price by Type (2021-2032) & (US\$/Pcs)

Figure 44. World Quartz Masks Production Value by Accuracy, (USD Million), 2021 & 2025 & 2032

Figure 45. World Quartz Masks Production Value Market Share by Accuracy in 2025

Figure 46. ?200nm

Figure 47. 200-350nm

Figure 48. ?350nm

Figure 49. World Quartz Masks Production Market Share by Accuracy (2021-2032)

Figure 50. World Quartz Masks Production Value Market Share by Accuracy (2021-2032)

Figure 51. World Quartz Masks Average Price by Accuracy (2021-2032) & (US\$/Pcs)

Figure 52. World Quartz Masks Production Value by Light-Blocking Material, (USD Million), 2021 & 2025 & 2032

Figure 53. World Quartz Masks Production Value Market Share by Light-Blocking Material in 2025

Figure 54. Chrome Mask

Figure 55. Non-Chrome Mask

Figure 56. World Quartz Masks Production Market Share by Light-Blocking Material (2021-2032)

Figure 57. World Quartz Masks Production Value Market Share by Light-Blocking Material (2021-2032)

Figure 58. World Quartz Masks Average Price by Light-Blocking Material (2021-2032) &

(US\$/Pcs)

Figure 59. World Quartz Masks Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 60. World Quartz Masks Production Value Market Share by Application in 2025

Figure 61. Semiconductor Wafer Manufacturing

Figure 62. OLED/LCD Display Panel Manufacturing

Figure 63. PCB Circuit Board Manufacturing

Figure 64. MEMS Device Manufacturing

Figure 65. Optical Communication

Figure 66. Advanced Packaging

Figure 67. Other

Figure 68. World Quartz Masks Production Market Share by Application (2021-2032)

Figure 69. World Quartz Masks Production Value Market Share by Application (2021-2032)

Figure 70. World Quartz Masks Average Price by Application (2021-2032) & (US\$/Pcs)

Figure 71. Quartz Masks Industry Chain

Figure 72. Quartz Masks Procurement Model

Figure 73. Quartz Masks Sales Model

Figure 74. Quartz Masks Sales Channels, Direct Sales, and Distribution

Figure 75. Methodology

Figure 76. Research Process and Data Source

I would like to order

Product name: Global Quartz Masks Supply, Demand and Key Producers, 2026-2032

Product link: <https://marketpublishers.com/r/G077E4B029C3EN.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/G077E4B029C3EN.html>