

Global Quartz Etched Ring Market Growth 2026-2032

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Abstracts

The global Quartz Etched Ring market size is predicted to grow from US\$ 240 million in 2025 to US\$ 428 million in 2032; it is expected to grow at a CAGR of 8.8% from 2026 to 2032.

In 2025, the global production of quartz etching rings reached 477,100 units, with an average price of approximately US\$513.32 per unit. The global annual production capacity of quartz etching rings was approximately 750,000 units, with a gross profit margin of approximately 24.3%. Quartz etching rings are important components used in semiconductor manufacturing processes, primarily for etching. They are typically made of high-purity quartz material, exhibiting good chemical stability and high-temperature resistance. The upstream of the quartz etching ring industry includes high-purity quartz materials, surface coatings and coating materials, specialized sealing materials and connectors, etc.; the midstream consists of quartz etching ring manufacturers; and the downstream applications are mainly in semiconductor equipment manufacturers and wafer fabrication companies.

The quartz etched ring market is in a stable growth phase, benefiting from the continued demand for high-precision etching processes and high-purity materials in the semiconductor, optoelectronic, and sensor industries, as well as the widespread adoption of micro-nano fabrication technologies. Its advantages include high temperature resistance, good chemical stability, moderate coefficient of thermal expansion, and high processing precision, making it suitable for etching processes with complex apertures and high uniformity. However, it also faces challenges such as the stability of high-purity material supply, cost pressures, stringent requirements for manufacturing equipment and process conditions, and compliance with industry standards and clean production. Future trends include improving material purity and consistency, reducing the impact of doping and impurities, enhancing the durability and repeatability of ring structures, and integrating with advanced photolithography, plasma

etching, and clean processes to drive performance improvements and application expansion.

LP Information, Inc. (LPI) ' newest research report, the "Quartz Etched Ring Industry Forecast" looks at past sales and reviews total world Quartz Etched Ring sales in 2025, providing a comprehensive analysis by region and market sector of projected Quartz Etched Ring sales for 2026 through 2032. With Quartz Etched Ring sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Quartz Etched Ring industry.

This Insight Report provides a comprehensive analysis of the global Quartz Etched Ring 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 Quartz Etched Ring portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Quartz Etched Ring market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Quartz Etched Ring 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 Quartz Etched Ring.

This report presents a comprehensive overview, market shares, and growth opportunities of Quartz Etched Ring market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

150mm (6 Inches)

200mm (8 Inches)

300mm (12 Inches)

Others

Segmentation by Purity Grades:

High-Purity Quartz Rings

Ultra-High Purity Quartz Rings

Segmentation by Manufacturing Processes:

Fused Silica Process

Chemical Vapor Deposition Process

Others

Segmentation by Application:

Semiconductor Equipment Manufacturers

Wafer Manufacturers

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 analysing the company's coverage, product portfolio, its market penetration.

WONIK QnC

Young Shin Quartz

Kumkang Quartz

BC&C

WORLDEX

Tosoh Quartz Corporation

Ferrotec

MARUWA

DG Technologies

Heraeus Covantics

Ustron

GL Sciences

Hanntek

Ningbo Yunde

Shanghai QH Quartz

Genori

Key Questions Addressed in this Report

What is the 10-year outlook for the global Quartz Etched Ring market?

What factors are driving Quartz Etched Ring market growth, globally and by region?

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

How do Quartz Etched Ring market opportunities vary by end market size?

How does Quartz Etched Ring break out by Type, by Application?

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 Quartz Etched Ring Annual Sales 2021-2032
- 2.1.2 World Current & Future Analysis for Quartz Etched Ring by Geographic Region, 2021, 2025 & 2032
- 2.1.3 World Current & Future Analysis for Quartz Etched Ring by Country/Region, 2021, 2025 & 2032

2.2 Quartz Etched Ring Segment by Type

- 2.2.1 150mm (6 Inches)
- 2.2.2 200mm (8 Inches)
- 2.2.3 300mm (12 Inches)
- 2.2.4 Others
- 2.2.5 Quartz Etched Ring Sales by Type
 - 2.2.5.1 Global Quartz Etched Ring Sales Market Share by Type (2021-2026)
 - 2.2.5.2 Global Quartz Etched Ring Revenue and Market Share by Type (2021-2026)
 - 2.2.5.3 Global Quartz Etched Ring Sale Price by Type (2021-2026)

2.3 Quartz Etched Ring Segment by Purity Grades

- 2.3.1 High-Purity Quartz Rings
- 2.3.2 Ultra-High Purity Quartz Rings
- 2.3.3 Quartz Etched Ring Sales by Purity Grades
 - 2.3.3.1 Global Quartz Etched Ring Sales Market Share by Purity Grades (2021-2026)
 - 2.3.3.2 Global Quartz Etched Ring Revenue and Market Share by Purity Grades (2021-2026)
 - 2.3.3.3 Global Quartz Etched Ring Sale Price by Purity Grades (2021-2026)

2.4 Quartz Etched Ring Segment by Manufacturing Processes

2.4.1 Fused Silica Process

2.4.2 Chemical Vapor Deposition Process

2.4.3 Others

2.4.4 Quartz Etched Ring Sales by Manufacturing Processes

2.4.4.1 Global Quartz Etched Ring Sales Market Share by Manufacturing Processes (2021-2026)

2.4.4.2 Global Quartz Etched Ring Revenue and Market Share by Manufacturing Processes (2021-2026)

2.4.4.3 Global Quartz Etched Ring Sale Price by Manufacturing Processes (2021-2026)

2.5 Quartz Etched Ring Segment by Application

2.5.1 Semiconductor Equipment Manufacturers

2.5.2 Wafer Manufacturers

2.5.3 Quartz Etched Ring Sales by Application

2.5.3.1 Global Quartz Etched Ring Sale Market Share by Application (2021-2026)

2.5.3.2 Global Quartz Etched Ring Revenue and Market Share by Application (2021-2026)

2.5.3.3 Global Quartz Etched Ring Sale Price by Application (2021-2026)

3 GLOBAL BY COMPANY

3.1 Global Quartz Etched Ring Breakdown Data by Company

3.1.1 Global Quartz Etched Ring Annual Sales by Company (2021-2026)

3.1.2 Global Quartz Etched Ring Sales Market Share by Company (2021-2026)

3.2 Global Quartz Etched Ring Annual Revenue by Company (2021-2026)

3.2.1 Global Quartz Etched Ring Revenue by Company (2021-2026)

3.2.2 Global Quartz Etched Ring Revenue Market Share by Company (2021-2026)

3.3 Global Quartz Etched Ring Sale Price by Company

3.4 Key Manufacturers Quartz Etched Ring Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers Quartz Etched Ring Product Location Distribution

3.4.2 Players Quartz Etched Ring Products Offered

3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)

3.6 New Products and Potential Entrants

3.7 Market M&A Activity & Strategy

4 WORLD HISTORIC REVIEW FOR QUARTZ ETCHED RING BY GEOGRAPHIC

REGION

- 4.1 World Historic Quartz Etched Ring Market Size by Geographic Region (2021-2026)
 - 4.1.1 Global Quartz Etched Ring Annual Sales by Geographic Region (2021-2026)
 - 4.1.2 Global Quartz Etched Ring Annual Revenue by Geographic Region (2021-2026)
- 4.2 World Historic Quartz Etched Ring Market Size by Country/Region (2021-2026)
 - 4.2.1 Global Quartz Etched Ring Annual Sales by Country/Region (2021-2026)
 - 4.2.2 Global Quartz Etched Ring Annual Revenue by Country/Region (2021-2026)
- 4.3 Americas Quartz Etched Ring Sales Growth
- 4.4 APAC Quartz Etched Ring Sales Growth
- 4.5 Europe Quartz Etched Ring Sales Growth
- 4.6 Middle East & Africa Quartz Etched Ring Sales Growth

5 AMERICAS

- 5.1 Americas Quartz Etched Ring Sales by Country
 - 5.1.1 Americas Quartz Etched Ring Sales by Country (2021-2026)
 - 5.1.2 Americas Quartz Etched Ring Revenue by Country (2021-2026)
- 5.2 Americas Quartz Etched Ring Sales by Type (2021-2026)
- 5.3 Americas Quartz Etched Ring Sales by Application (2021-2026)
- 5.4 United States
- 5.5 Canada
- 5.6 Mexico
- 5.7 Brazil

6 APAC

- 6.1 APAC Quartz Etched Ring Sales by Region
 - 6.1.1 APAC Quartz Etched Ring Sales by Region (2021-2026)
 - 6.1.2 APAC Quartz Etched Ring Revenue by Region (2021-2026)
- 6.2 APAC Quartz Etched Ring Sales by Type (2021-2026)
- 6.3 APAC Quartz Etched Ring Sales by Application (2021-2026)
- 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 Quartz Etched Ring by Country

7.1.1 Europe Quartz Etched Ring Sales by Country (2021-2026)

7.1.2 Europe Quartz Etched Ring Revenue by Country (2021-2026)

7.2 Europe Quartz Etched Ring Sales by Type (2021-2026)

7.3 Europe Quartz Etched Ring Sales by Application (2021-2026)

7.4 Germany

7.5 France

7.6 UK

7.7 Italy

7.8 Russia

8 MIDDLE EAST & AFRICA

8.1 Middle East & Africa Quartz Etched Ring by Country

8.1.1 Middle East & Africa Quartz Etched Ring Sales by Country (2021-2026)

8.1.2 Middle East & Africa Quartz Etched Ring Revenue by Country (2021-2026)

8.2 Middle East & Africa Quartz Etched Ring Sales by Type (2021-2026)

8.3 Middle East & Africa Quartz Etched Ring Sales by Application (2021-2026)

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 Quartz Etched Ring

10.3 Manufacturing Process Analysis of Quartz Etched Ring

10.4 Industry Chain Structure of Quartz Etched Ring

11 MARKETING, DISTRIBUTORS AND CUSTOMER

11.1 Sales Channel

11.1.1 Direct Channels

11.1.2 Indirect Channels

11.2 Quartz Etched Ring Distributors

11.3 Quartz Etched Ring Customer

12 WORLD FORECAST REVIEW FOR QUARTZ ETCHED RING BY GEOGRAPHIC REGION

12.1 Global Quartz Etched Ring Market Size Forecast by Region

12.1.1 Global Quartz Etched Ring Forecast by Region (2027-2032)

12.1.2 Global Quartz Etched Ring Annual Revenue Forecast by Region (2027-2032)

12.2 Americas Forecast by Country (2027-2032)

12.3 APAC Forecast by Region (2027-2032)

12.4 Europe Forecast by Country (2027-2032)

12.5 Middle East & Africa Forecast by Country (2027-2032)

12.6 Global Quartz Etched Ring Forecast by Type (2027-2032)

12.7 Global Quartz Etched Ring Forecast by Application (2027-2032)

13 KEY PLAYERS ANALYSIS

13.1 WONIK QnC

13.1.1 WONIK QnC Company Information

13.1.2 WONIK QnC Quartz Etched Ring Product Portfolios and Specifications

13.1.3 WONIK QnC Quartz Etched Ring Sales, Revenue, Price and Gross Margin (2021-2026)

13.1.4 WONIK QnC Main Business Overview

13.1.5 WONIK QnC Latest Developments

13.2 Young Shin Quartz

13.2.1 Young Shin Quartz Company Information

13.2.2 Young Shin Quartz Quartz Etched Ring Product Portfolios and Specifications

13.2.3 Young Shin Quartz Quartz Etched Ring Sales, Revenue, Price and Gross Margin (2021-2026)

13.2.4 Young Shin Quartz Main Business Overview

13.2.5 Young Shin Quartz Latest Developments

13.3 Kumkang Quartz

- 13.3.1 Kumkang Quartz Company Information
- 13.3.2 Kumkang Quartz Quartz Etched Ring Product Portfolios and Specifications
- 13.3.3 Kumkang Quartz Quartz Etched Ring Sales, Revenue, Price and Gross Margin (2021-2026)
- 13.3.4 Kumkang Quartz Main Business Overview
- 13.3.5 Kumkang Quartz Latest Developments
- 13.4 BC&C
 - 13.4.1 BC&C Company Information
 - 13.4.2 BC&C Quartz Etched Ring Product Portfolios and Specifications
 - 13.4.3 BC&C Quartz Etched Ring Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.4.4 BC&C Main Business Overview
 - 13.4.5 BC&C Latest Developments
- 13.5 WORLDEX
 - 13.5.1 WORLDEX Company Information
 - 13.5.2 WORLDEX Quartz Etched Ring Product Portfolios and Specifications
 - 13.5.3 WORLDEX Quartz Etched Ring Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.5.4 WORLDEX Main Business Overview
 - 13.5.5 WORLDEX Latest Developments
- 13.6 Tosoh Quartz Corporation
 - 13.6.1 Tosoh Quartz Corporation Company Information
 - 13.6.2 Tosoh Quartz Corporation Quartz Etched Ring Product Portfolios and Specifications
 - 13.6.3 Tosoh Quartz Corporation Quartz Etched Ring Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.6.4 Tosoh Quartz Corporation Main Business Overview
 - 13.6.5 Tosoh Quartz Corporation Latest Developments
- 13.7 Ferrotec
 - 13.7.1 Ferrotec Company Information
 - 13.7.2 Ferrotec Quartz Etched Ring Product Portfolios and Specifications
 - 13.7.3 Ferrotec Quartz Etched Ring Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.7.4 Ferrotec Main Business Overview
 - 13.7.5 Ferrotec Latest Developments
- 13.8 MARUWA
 - 13.8.1 MARUWA Company Information
 - 13.8.2 MARUWA Quartz Etched Ring Product Portfolios and Specifications
 - 13.8.3 MARUWA Quartz Etched Ring Sales, Revenue, Price and Gross Margin

(2021-2026)

13.8.4 MARUWA Main Business Overview

13.8.5 MARUWA Latest Developments

13.9 DG Technologies

13.9.1 DG Technologies Company Information

13.9.2 DG Technologies Quartz Etched Ring Product Portfolios and Specifications

13.9.3 DG Technologies Quartz Etched Ring Sales, Revenue, Price and Gross Margin

(2021-2026)

13.9.4 DG Technologies Main Business Overview

13.9.5 DG Technologies Latest Developments

13.10 Heraeus Covantics

13.10.1 Heraeus Covantics Company Information

13.10.2 Heraeus Covantics Quartz Etched Ring Product Portfolios and Specifications

13.10.3 Heraeus Covantics Quartz Etched Ring Sales, Revenue, Price and Gross

Margin (2021-2026)

13.10.4 Heraeus Covantics Main Business Overview

13.10.5 Heraeus Covantics Latest Developments

13.11 Ustron

13.11.1 Ustron Company Information

13.11.2 Ustron Quartz Etched Ring Product Portfolios and Specifications

13.11.3 Ustron Quartz Etched Ring Sales, Revenue, Price and Gross Margin

(2021-2026)

13.11.4 Ustron Main Business Overview

13.11.5 Ustron Latest Developments

13.12 GL Sciences

13.12.1 GL Sciences Company Information

13.12.2 GL Sciences Quartz Etched Ring Product Portfolios and Specifications

13.12.3 GL Sciences Quartz Etched Ring Sales, Revenue, Price and Gross Margin

(2021-2026)

13.12.4 GL Sciences Main Business Overview

13.12.5 GL Sciences Latest Developments

13.13 Hanntek

13.13.1 Hanntek Company Information

13.13.2 Hanntek Quartz Etched Ring Product Portfolios and Specifications

13.13.3 Hanntek Quartz Etched Ring Sales, Revenue, Price and Gross Margin

(2021-2026)

13.13.4 Hanntek Main Business Overview

13.13.5 Hanntek Latest Developments

13.14 Ningbo Yunde

- 13.14.1 Ningbo Yunde Company Information
- 13.14.2 Ningbo Yunde Quartz Etched Ring Product Portfolios and Specifications
- 13.14.3 Ningbo Yunde Quartz Etched Ring Sales, Revenue, Price and Gross Margin (2021-2026)
- 13.14.4 Ningbo Yunde Main Business Overview
- 13.14.5 Ningbo Yunde Latest Developments
- 13.15 Shanghai QH Quartz
 - 13.15.1 Shanghai QH Quartz Company Information
 - 13.15.2 Shanghai QH Quartz Quartz Etched Ring Product Portfolios and Specifications
 - 13.15.3 Shanghai QH Quartz Quartz Etched Ring Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.15.4 Shanghai QH Quartz Main Business Overview
 - 13.15.5 Shanghai QH Quartz Latest Developments
- 13.16 Genori
 - 13.16.1 Genori Company Information
 - 13.16.2 Genori Quartz Etched Ring Product Portfolios and Specifications
 - 13.16.3 Genori Quartz Etched Ring Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.16.4 Genori Main Business Overview
 - 13.16.5 Genori Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

Table 1. Quartz Etched Ring Annual Sales CAGR by Geographic Region (2021, 2025 & 2032) & (\$ millions)

Table 2. Quartz Etched Ring Annual Sales CAGR by Country/Region (2021, 2025 & 2032) & (\$ millions)

Table 3. Major Players of 150mm (6 Inches)

Table 4. Major Players of 200mm (8 Inches)

Table 5. Major Players of 300mm (12 Inches)

Table 6. Major Players of Others

Table 7. Global Quartz Etched Ring Sales by Type (2021-2026) & (K Units)

Table 8. Global Quartz Etched Ring Sales Market Share by Type (2021-2026)

Table 9. Global Quartz Etched Ring Revenue by Type (2021-2026) & (\$ million)

Table 10. Global Quartz Etched Ring Revenue Market Share by Type (2021-2026)

Table 11. Global Quartz Etched Ring Sale Price by Type (2021-2026) & (US\$/Unit)

Table 12. Major Players of High-Purity Quartz Rings

Table 13. Major Players of Ultra-High Purity Quartz Rings

Table 14. Global Quartz Etched Ring Sales by Purity Grades (2021-2026) & (K Units)

Table 15. Global Quartz Etched Ring Sales Market Share by Purity Grades (2021-2026)

Table 16. Global Quartz Etched Ring Revenue by Purity Grades (2021-2026) & (\$ million)

Table 17. Global Quartz Etched Ring Revenue Market Share by Purity Grades (2021-2026)

Table 18. Global Quartz Etched Ring Sale Price by Purity Grades (2021-2026) & (US\$/Unit)

Table 19. Major Players of Fused Silica Process

Table 20. Major Players of Chemical Vapor Deposition Process

Table 21. Major Players of Others

Table 22. Global Quartz Etched Ring Sales by Manufacturing Processes (2021-2026) & (K Units)

Table 23. Global Quartz Etched Ring Sales Market Share by Manufacturing Processes (2021-2026)

Table 24. Global Quartz Etched Ring Revenue by Manufacturing Processes (2021-2026) & (\$ million)

Table 25. Global Quartz Etched Ring Revenue Market Share by Manufacturing Processes (2021-2026)

Table 26. Global Quartz Etched Ring Sale Price by Manufacturing Processes

(2021-2026) & (US\$/Unit)

Table 27. Global Quartz Etched Ring Sale by Application (2021-2026) & (K Units)

Table 28. Global Quartz Etched Ring Sale Market Share by Application (2021-2026)

Table 29. Global Quartz Etched Ring Revenue by Application (2021-2026) & (\$ million)

Table 30. Global Quartz Etched Ring Revenue Market Share by Application
(2021-2026)

Table 31. Global Quartz Etched Ring Sale Price by Application (2021-2026) &
(US\$/Unit)

Table 32. Global Quartz Etched Ring Sales by Company (2021-2026) & (K Units)

Table 33. Global Quartz Etched Ring Sales Market Share by Company (2021-2026)

Table 34. Global Quartz Etched Ring Revenue by Company (2021-2026) & (\$ millions)

Table 35. Global Quartz Etched Ring Revenue Market Share by Company (2021-2026)

Table 36. Global Quartz Etched Ring Sale Price by Company (2021-2026) & (US\$/Unit)

Table 37. Key Manufacturers Quartz Etched Ring Producing Area Distribution and
Sales Area

Table 38. Players Quartz Etched Ring Products Offered

Table 39. Quartz Etched Ring Concentration Ratio (CR3, CR5 and CR10) &
(2024-2026)

Table 40. New Products and Potential Entrants

Table 41. Market M&A Activity & Strategy

Table 42. Global Quartz Etched Ring Sales by Geographic Region (2021-2026) & (K
Units)

Table 43. Global Quartz Etched Ring Sales Market Share Geographic Region
(2021-2026)

Table 44. Global Quartz Etched Ring Revenue by Geographic Region (2021-2026) & (\$
millions)

Table 45. Global Quartz Etched Ring Revenue Market Share by Geographic Region
(2021-2026)

Table 46. Global Quartz Etched Ring Sales by Country/Region (2021-2026) & (K Units)

Table 47. Global Quartz Etched Ring Sales Market Share by Country/Region
(2021-2026)

Table 48. Global Quartz Etched Ring Revenue by Country/Region (2021-2026) & (\$
millions)

Table 49. Global Quartz Etched Ring Revenue Market Share by Country/Region
(2021-2026)

Table 50. Americas Quartz Etched Ring Sales by Country (2021-2026) & (K Units)

Table 51. Americas Quartz Etched Ring Sales Market Share by Country (2021-2026)

Table 52. Americas Quartz Etched Ring Revenue by Country (2021-2026) & (\$ millions)

Table 53. Americas Quartz Etched Ring Sales by Type (2021-2026) & (K Units)

- Table 54. Americas Quartz Etched Ring Sales by Application (2021-2026) & (K Units)
- Table 55. APAC Quartz Etched Ring Sales by Region (2021-2026) & (K Units)
- Table 56. APAC Quartz Etched Ring Sales Market Share by Region (2021-2026)
- Table 57. APAC Quartz Etched Ring Revenue by Region (2021-2026) & (\$ millions)
- Table 58. APAC Quartz Etched Ring Sales by Type (2021-2026) & (K Units)
- Table 59. APAC Quartz Etched Ring Sales by Application (2021-2026) & (K Units)
- Table 60. Europe Quartz Etched Ring Sales by Country (2021-2026) & (K Units)
- Table 61. Europe Quartz Etched Ring Revenue by Country (2021-2026) & (\$ millions)
- Table 62. Europe Quartz Etched Ring Sales by Type (2021-2026) & (K Units)
- Table 63. Europe Quartz Etched Ring Sales by Application (2021-2026) & (K Units)
- Table 64. Middle East & Africa Quartz Etched Ring Sales by Country (2021-2026) & (K Units)
- Table 65. Middle East & Africa Quartz Etched Ring Revenue Market Share by Country (2021-2026)
- Table 66. Middle East & Africa Quartz Etched Ring Sales by Type (2021-2026) & (K Units)
- Table 67. Middle East & Africa Quartz Etched Ring Sales by Application (2021-2026) & (K Units)
- Table 68. Key Market Drivers & Growth Opportunities of Quartz Etched Ring
- Table 69. Key Market Challenges & Risks of Quartz Etched Ring
- Table 70. Key Industry Trends of Quartz Etched Ring
- Table 71. Quartz Etched Ring Raw Material
- Table 72. Key Suppliers of Raw Materials
- Table 73. Quartz Etched Ring Distributors List
- Table 74. Quartz Etched Ring Customer List
- Table 75. Global Quartz Etched Ring Sales Forecast by Region (2027-2032) & (K Units)
- Table 76. Global Quartz Etched Ring Revenue Forecast by Region (2027-2032) & (\$ millions)
- Table 77. Americas Quartz Etched Ring Sales Forecast by Country (2027-2032) & (K Units)
- Table 78. Americas Quartz Etched Ring Annual Revenue Forecast by Country (2027-2032) & (\$ millions)
- Table 79. APAC Quartz Etched Ring Sales Forecast by Region (2027-2032) & (K Units)
- Table 80. APAC Quartz Etched Ring Annual Revenue Forecast by Region (2027-2032) & (\$ millions)
- Table 81. Europe Quartz Etched Ring Sales Forecast by Country (2027-2032) & (K Units)
- Table 82. Europe Quartz Etched Ring Revenue Forecast by Country (2027-2032) & (\$ millions)

- Table 83. Middle East & Africa Quartz Etched Ring Sales Forecast by Country (2027-2032) & (K Units)
- Table 84. Middle East & Africa Quartz Etched Ring Revenue Forecast by Country (2027-2032) & (\$ millions)
- Table 85. Global Quartz Etched Ring Sales Forecast by Type (2027-2032) & (K Units)
- Table 86. Global Quartz Etched Ring Revenue Forecast by Type (2027-2032) & (\$ millions)
- Table 87. Global Quartz Etched Ring Sales Forecast by Application (2027-2032) & (K Units)
- Table 88. Global Quartz Etched Ring Revenue Forecast by Application (2027-2032) & (\$ millions)
- Table 89. WONIK?QnC Basic Information, Quartz Etched Ring Manufacturing Base, Sales Area and Its Competitors
- Table 90. WONIK?QnC Quartz Etched Ring Product Portfolios and Specifications
- Table 91. WONIK?QnC Quartz Etched Ring Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
- Table 92. WONIK?QnC Main Business
- Table 93. WONIK?QnC Latest Developments
- Table 94. Young?Shin?Quartz Basic Information, Quartz Etched Ring Manufacturing Base, Sales Area and Its Competitors
- Table 95. Young?Shin?Quartz Quartz Etched Ring Product Portfolios and Specifications
- Table 96. Young?Shin?Quartz Quartz Etched Ring Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
- Table 97. Young?Shin?Quartz Main Business
- Table 98. Young?Shin?Quartz Latest Developments
- Table 99. Kumkang Quartz Basic Information, Quartz Etched Ring Manufacturing Base, Sales Area and Its Competitors
- Table 100. Kumkang Quartz Quartz Etched Ring Product Portfolios and Specifications
- Table 101. Kumkang Quartz Quartz Etched Ring Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
- Table 102. Kumkang Quartz Main Business
- Table 103. Kumkang Quartz Latest Developments
- Table 104. BC&C Basic Information, Quartz Etched Ring Manufacturing Base, Sales Area and Its Competitors
- Table 105. BC&C Quartz Etched Ring Product Portfolios and Specifications
- Table 106. BC&C Quartz Etched Ring Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
- Table 107. BC&C Main Business

Table 108. BC&C Latest Developments

Table 109. WORLDEX Basic Information, Quartz Etched Ring Manufacturing Base, Sales Area and Its Competitors

Table 110. WORLDEX Quartz Etched Ring Product Portfolios and Specifications

Table 111. WORLDEX Quartz Etched Ring Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 112. WORLDEX Main Business

Table 113. WORLDEX Latest Developments

Table 114. Tosoh?Quartz?Corporation Basic Information, Quartz Etched Ring Manufacturing Base, Sales Area and Its Competitors

Table 115. Tosoh?Quartz?Corporation Quartz Etched Ring Product Portfolios and Specifications

Table 116. Tosoh?Quartz?Corporation Quartz Etched Ring Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 117. Tosoh?Quartz?Corporation Main Business

Table 118. Tosoh?Quartz?Corporation Latest Developments

Table 119. Ferrotec Basic Information, Quartz Etched Ring Manufacturing Base, Sales Area and Its Competitors

Table 120. Ferrotec Quartz Etched Ring Product Portfolios and Specifications

Table 121. Ferrotec Quartz Etched Ring Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 122. Ferrotec Main Business

Table 123. Ferrotec Latest Developments

Table 124. MARUWA Basic Information, Quartz Etched Ring Manufacturing Base, Sales Area and Its Competitors

Table 125. MARUWA Quartz Etched Ring Product Portfolios and Specifications

Table 126. MARUWA Quartz Etched Ring Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 127. MARUWA Main Business

Table 128. MARUWA Latest Developments

Table 129. DG Technologies Basic Information, Quartz Etched Ring Manufacturing Base, Sales Area and Its Competitors

Table 130. DG Technologies Quartz Etched Ring Product Portfolios and Specifications

Table 131. DG Technologies Quartz Etched Ring Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 132. DG Technologies Main Business

Table 133. DG Technologies Latest Developments

Table 134. Heraeus Covantics Basic Information, Quartz Etched Ring Manufacturing Base, Sales Area and Its Competitors

Table 135. Heraeus Covantics Quartz Etched Ring Product Portfolios and Specifications

Table 136. Heraeus Covantics Quartz Etched Ring Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 137. Heraeus Covantics Main Business

Table 138. Heraeus Covantics Latest Developments

Table 139. Ustron Basic Information, Quartz Etched Ring Manufacturing Base, Sales Area and Its Competitors

Table 140. Ustron Quartz Etched Ring Product Portfolios and Specifications

Table 141. Ustron Quartz Etched Ring Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 142. Ustron Main Business

Table 143. Ustron Latest Developments

Table 144. GL Sciences Basic Information, Quartz Etched Ring Manufacturing Base, Sales Area and Its Competitors

Table 145. GL Sciences Quartz Etched Ring Product Portfolios and Specifications

Table 146. GL Sciences Quartz Etched Ring Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 147. GL Sciences Main Business

Table 148. GL Sciences Latest Developments

Table 149. Hanntek Basic Information, Quartz Etched Ring Manufacturing Base, Sales Area and Its Competitors

Table 150. Hanntek Quartz Etched Ring Product Portfolios and Specifications

Table 151. Hanntek Quartz Etched Ring Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 152. Hanntek Main Business

Table 153. Hanntek Latest Developments

Table 154. Ningbo Yunde Basic Information, Quartz Etched Ring Manufacturing Base, Sales Area and Its Competitors

Table 155. Ningbo Yunde Quartz Etched Ring Product Portfolios and Specifications

Table 156. Ningbo Yunde Quartz Etched Ring Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 157. Ningbo Yunde Main Business

Table 158. Ningbo Yunde Latest Developments

Table 159. Shanghai QH Quartz Basic Information, Quartz Etched Ring Manufacturing Base, Sales Area and Its Competitors

Table 160. Shanghai QH Quartz Quartz Etched Ring Product Portfolios and Specifications

Table 161. Shanghai QH Quartz Quartz Etched Ring Sales (K Units), Revenue (\$

Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 162. Shanghai QH Quartz Main Business

Table 163. Shanghai QH Quartz Latest Developments

Table 164. Genori Basic Information, Quartz Etched Ring Manufacturing Base, Sales Area and Its Competitors

Table 165. Genori Quartz Etched Ring Product Portfolios and Specifications

Table 166. Genori Quartz Etched Ring Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 167. Genori Main Business

Table 168. Genori Latest Developments

List Of Figures

LIST OF FIGURES

- Figure 1. Picture of Quartz Etched Ring
- Figure 2. Quartz Etched Ring Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global Quartz Etched Ring Sales Growth Rate 2021-2032 (K Units)
- Figure 7. Global Quartz Etched Ring Revenue Growth Rate 2021-2032 (\$ millions)
- Figure 8. Quartz Etched Ring Sales by Geographic Region (2021, 2025 & 2032) & (\$ millions)
- Figure 9. Quartz Etched Ring Sales Market Share by Country/Region (2025)
- Figure 10. Quartz Etched Ring Sales Market Share by Country/Region (2021, 2025 & 2032)
- Figure 11. Product Picture of 150mm (6 Inches)
- Figure 12. Product Picture of 200mm (8 Inches)
- Figure 13. Product Picture of 300mm (12 Inches)
- Figure 14. Product Picture of Others
- Figure 15. Global Quartz Etched Ring Sales Market Share by Type in 2026
- Figure 16. Global Quartz Etched Ring Revenue Market Share by Type (2021-2026)
- Figure 17. Product Picture of High-Purity Quartz Rings
- Figure 18. Product Picture of Ultra-High Purity Quartz Rings
- Figure 19. Global Quartz Etched Ring Sales Market Share by Purity Grades in 2026
- Figure 20. Global Quartz Etched Ring Revenue Market Share by Purity Grades (2021-2026)
- Figure 21. Product Picture of Fused Silica Process
- Figure 22. Product Picture of Chemical Vapor Deposition Process
- Figure 23. Product Picture of Others
- Figure 24. Global Quartz Etched Ring Sales Market Share by Manufacturing Processes in 2026
- Figure 25. Global Quartz Etched Ring Revenue Market Share by Manufacturing Processes (2021-2026)
- Figure 26. Quartz Etched Ring Consumed in Semiconductor Equipment Manufacturers
- Figure 27. Global Quartz Etched Ring Market: Semiconductor Equipment Manufacturers (2021-2026) & (K Units)
- Figure 28. Quartz Etched Ring Consumed in Wafer Manufacturers
- Figure 29. Global Quartz Etched Ring Market: Wafer Manufacturers (2021-2026) & (K

Units)

Figure 30. Global Quartz Etched Ring Sale Market Share by Application (2025)

Figure 31. Global Quartz Etched Ring Revenue Market Share by Application in 2025

Figure 32. Quartz Etched Ring Sales by Company in 2025 (K Units)

Figure 33. Global Quartz Etched Ring Sales Market Share by Company in 2025

Figure 34. Quartz Etched Ring Revenue by Company in 2025 (\$ millions)

Figure 35. Global Quartz Etched Ring Revenue Market Share by Company in 2025

Figure 36. Global Quartz Etched Ring Sales Market Share by Geographic Region (2021-2026)

Figure 37. Global Quartz Etched Ring Revenue Market Share by Geographic Region in 2025

Figure 38. Americas Quartz Etched Ring Sales 2021-2026 (K Units)

Figure 39. Americas Quartz Etched Ring Revenue 2021-2026 (\$ millions)

Figure 40. APAC Quartz Etched Ring Sales 2021-2026 (K Units)

Figure 41. APAC Quartz Etched Ring Revenue 2021-2026 (\$ millions)

Figure 42. Europe Quartz Etched Ring Sales 2021-2026 (K Units)

Figure 43. Europe Quartz Etched Ring Revenue 2021-2026 (\$ millions)

Figure 44. Middle East & Africa Quartz Etched Ring Sales 2021-2026 (K Units)

Figure 45. Middle East & Africa Quartz Etched Ring Revenue 2021-2026 (\$ millions)

Figure 46. Americas Quartz Etched Ring Sales Market Share by Country in 2025

Figure 47. Americas Quartz Etched Ring Revenue Market Share by Country (2021-2026)

Figure 48. Americas Quartz Etched Ring Sales Market Share by Type (2021-2026)

Figure 49. Americas Quartz Etched Ring Sales Market Share by Application (2021-2026)

Figure 50. United States Quartz Etched Ring Revenue Growth 2021-2026 (\$ millions)

Figure 51. Canada Quartz Etched Ring Revenue Growth 2021-2026 (\$ millions)

Figure 52. Mexico Quartz Etched Ring Revenue Growth 2021-2026 (\$ millions)

Figure 53. Brazil Quartz Etched Ring Revenue Growth 2021-2026 (\$ millions)

Figure 54. APAC Quartz Etched Ring Sales Market Share by Region in 2025

Figure 55. APAC Quartz Etched Ring Revenue Market Share by Region (2021-2026)

Figure 56. APAC Quartz Etched Ring Sales Market Share by Type (2021-2026)

Figure 57. APAC Quartz Etched Ring Sales Market Share by Application (2021-2026)

Figure 58. China Quartz Etched Ring Revenue Growth 2021-2026 (\$ millions)

Figure 59. Japan Quartz Etched Ring Revenue Growth 2021-2026 (\$ millions)

Figure 60. South Korea Quartz Etched Ring Revenue Growth 2021-2026 (\$ millions)

Figure 61. Southeast Asia Quartz Etched Ring Revenue Growth 2021-2026 (\$ millions)

Figure 62. India Quartz Etched Ring Revenue Growth 2021-2026 (\$ millions)

Figure 63. Australia Quartz Etched Ring Revenue Growth 2021-2026 (\$ millions)

- Figure 64. China Taiwan Quartz Etched Ring Revenue Growth 2021-2026 (\$ millions)
- Figure 65. Europe Quartz Etched Ring Sales Market Share by Country in 2025
- Figure 66. Europe Quartz Etched Ring Revenue Market Share by Country (2021-2026)
- Figure 67. Europe Quartz Etched Ring Sales Market Share by Type (2021-2026)
- Figure 68. Europe Quartz Etched Ring Sales Market Share by Application (2021-2026)
- Figure 69. Germany Quartz Etched Ring Revenue Growth 2021-2026 (\$ millions)
- Figure 70. France Quartz Etched Ring Revenue Growth 2021-2026 (\$ millions)
- Figure 71. UK Quartz Etched Ring Revenue Growth 2021-2026 (\$ millions)
- Figure 72. Italy Quartz Etched Ring Revenue Growth 2021-2026 (\$ millions)
- Figure 73. Russia Quartz Etched Ring Revenue Growth 2021-2026 (\$ millions)
- Figure 74. Middle East & Africa Quartz Etched Ring Sales Market Share by Country (2021-2026)
- Figure 75. Middle East & Africa Quartz Etched Ring Sales Market Share by Type (2021-2026)
- Figure 76. Middle East & Africa Quartz Etched Ring Sales Market Share by Application (2021-2026)
- Figure 77. Egypt Quartz Etched Ring Revenue Growth 2021-2026 (\$ millions)
- Figure 78. South Africa Quartz Etched Ring Revenue Growth 2021-2026 (\$ millions)
- Figure 79. Israel Quartz Etched Ring Revenue Growth 2021-2026 (\$ millions)
- Figure 80. Turkey Quartz Etched Ring Revenue Growth 2021-2026 (\$ millions)
- Figure 81. GCC Countries Quartz Etched Ring Revenue Growth 2021-2026 (\$ millions)
- Figure 82. Manufacturing Cost Structure Analysis of Quartz Etched Ring in 2026
- Figure 83. Manufacturing Process Analysis of Quartz Etched Ring
- Figure 84. Industry Chain Structure of Quartz Etched Ring
- Figure 85. Channels of Distribution
- Figure 86. Global Quartz Etched Ring Sales Market Forecast by Region (2027-2032)
- Figure 87. Global Quartz Etched Ring Revenue Market Share Forecast by Region (2027-2032)
- Figure 88. Global Quartz Etched Ring Sales Market Share Forecast by Type (2027-2032)
- Figure 89. Global Quartz Etched Ring Revenue Market Share Forecast by Type (2027-2032)
- Figure 90. Global Quartz Etched Ring Sales Market Share Forecast by Application (2027-2032)
- Figure 91. Global Quartz Etched Ring Revenue Market Share Forecast by Application (2027-2032)

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