

Global Infrared-Transmitting Optical Glass Market Growth 2026-2032

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Abstracts

The global Infrared-Transmitting Optical Glass market size is predicted to grow from US\$ 333 million in 2025 to US\$ 568 million in 2032; it is expected to grow at a CAGR of 8.5% from 2026 to 2032.

In 2025, global production of infrared-transmitting optical glass reached 233.36 tons, with an average selling price of US\$1,457 per kilogram. Global annual production capacity for infrared-transmitting optical glass was approximately 373 tons, with a gross profit margin of approximately 30.2%. Infrared optical glass (IR optical glass) is a type of glass material with excellent optical properties in the infrared band (typically referring to wavelengths from approximately 0.78 micrometers to several hundred micrometers, with common operating ranges such as 1.5 μm and 2.0 μm). It is used to manufacture optical components in systems such as infrared imaging, infrared observation, night vision, thermal imaging, and spectral analysis, such as lenses, lens groups, prisms, and filters. The upstream of the infrared-transmitting optical glass industry chain includes quartz sand, calcium carbonate, and zinc sulfide, the midstream consists of infrared-transmitting optical glass manufacturers, and the downstream mainly comprises industries such as military defense, security systems, and automobiles.

United States market for Infrared-Transmitting Optical Glass is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for Infrared-Transmitting Optical Glass is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for Infrared-Transmitting Optical Glass is estimated to increase from

US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key Infrared-Transmitting Optical Glass players cover Umicore, Amorphous Materials, Vitron Spezialwerkstoffe, CDGM Glass, Hubei New Huaguang, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

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

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

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Infrared-Transmitting Optical Glass 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 Infrared-Transmitting Optical Glass.

This report presents a comprehensive overview, market shares, and growth opportunities of Infrared-Transmitting Optical Glass market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Chalcogenide Glass

Germanium

ZnSe and ZnS

Others

Segmentation by Composition:

Contains Germanium

Germanium-free

Segmentation by Marketing Method:

Direct Sales

Distribution

Segmentation by Application:

Military and Defense

Security System

Automotive

Industrial

Medical and Other

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.

Umicore

Amorphous Materials

Vitron Spezialwerkstoffe

CDGM Glass

Hubei New Huaguang

VOT

LightPath Technologies

Schott

AGC

Corning

Ohara Corporation

HOYA

Sumita Optical Glass

Rochester Precision Optics

Crystran

Edmund Optics

Gabrielle

Key Questions Addressed in this Report

What is the 10-year outlook for the global Infrared-Transmitting Optical Glass market?

What factors are driving Infrared-Transmitting Optical Glass market growth, globally and by region?

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

How do Infrared-Transmitting Optical Glass market opportunities vary by end market size?

How does Infrared-Transmitting Optical Glass 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 Infrared-Transmitting Optical Glass Annual Sales 2021-2032
- 2.1.2 World Current & Future Analysis for Infrared-Transmitting Optical Glass by Geographic Region, 2021, 2025 & 2032
- 2.1.3 World Current & Future Analysis for Infrared-Transmitting Optical Glass by Country/Region, 2021, 2025 & 2032

2.2 Infrared-Transmitting Optical Glass Segment by Type

- 2.2.1 Chalcogenide Glass
- 2.2.2 Germanium
- 2.2.3 ZnSe and ZnS
- 2.2.4 Others
- 2.2.5 Infrared-Transmitting Optical Glass Sales by Type
 - 2.2.5.1 Global Infrared-Transmitting Optical Glass Sales Market Share by Type (2021-2026)
 - 2.2.5.2 Global Infrared-Transmitting Optical Glass Revenue and Market Share by Type (2021-2026)
 - 2.2.5.3 Global Infrared-Transmitting Optical Glass Sale Price by Type (2021-2026)

2.3 Infrared-Transmitting Optical Glass Segment by Composition

- 2.3.1 Contains Germanium
- 2.3.2 Germanium-free
- 2.3.3 Infrared-Transmitting Optical Glass Sales by Composition
 - 2.3.3.1 Global Infrared-Transmitting Optical Glass Sales Market Share by Composition (2021-2026)
 - 2.3.3.2 Global Infrared-Transmitting Optical Glass Revenue and Market Share by

Composition (2021-2026)

2.3.3.3 Global Infrared-Transmitting Optical Glass Sale Price by Composition (2021-2026)

2.4 Infrared-Transmitting Optical Glass Segment by Marketing Method

2.4.1 Direct Sales

2.4.2 Distribution

2.4.3 Infrared-Transmitting Optical Glass Sales by Marketing Method

2.4.3.1 Global Infrared-Transmitting Optical Glass Sales Market Share by Marketing Method (2021-2026)

2.4.3.2 Global Infrared-Transmitting Optical Glass Revenue and Market Share by Marketing Method (2021-2026)

2.4.3.3 Global Infrared-Transmitting Optical Glass Sale Price by Marketing Method (2021-2026)

2.5 Infrared-Transmitting Optical Glass Segment by Application

2.5.1 Military and Defense

2.5.2 Security System

2.5.3 Automotive

2.5.4 Industrial

2.5.5 Medical and Other

2.5.6 Infrared-Transmitting Optical Glass Sales by Application

2.5.6.1 Global Infrared-Transmitting Optical Glass Sale Market Share by Application (2021-2026)

2.5.6.2 Global Infrared-Transmitting Optical Glass Revenue and Market Share by Application (2021-2026)

2.5.6.3 Global Infrared-Transmitting Optical Glass Sale Price by Application (2021-2026)

3 GLOBAL BY COMPANY

3.1 Global Infrared-Transmitting Optical Glass Breakdown Data by Company

3.1.1 Global Infrared-Transmitting Optical Glass Annual Sales by Company (2021-2026)

3.1.2 Global Infrared-Transmitting Optical Glass Sales Market Share by Company (2021-2026)

3.2 Global Infrared-Transmitting Optical Glass Annual Revenue by Company (2021-2026)

3.2.1 Global Infrared-Transmitting Optical Glass Revenue by Company (2021-2026)

3.2.2 Global Infrared-Transmitting Optical Glass Revenue Market Share by Company (2021-2026)

- 3.3 Global Infrared-Transmitting Optical Glass Sale Price by Company
- 3.4 Key Manufacturers Infrared-Transmitting Optical Glass Producing Area Distribution, Sales Area, Product Type
 - 3.4.1 Key Manufacturers Infrared-Transmitting Optical Glass Product Location Distribution
 - 3.4.2 Players Infrared-Transmitting Optical Glass 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 INFRARED-TRANSMITTING OPTICAL GLASS BY GEOGRAPHIC REGION

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

5 AMERICAS

- 5.1 Americas Infrared-Transmitting Optical Glass Sales by Country
 - 5.1.1 Americas Infrared-Transmitting Optical Glass Sales by Country (2021-2026)
 - 5.1.2 Americas Infrared-Transmitting Optical Glass Revenue by Country (2021-2026)
- 5.2 Americas Infrared-Transmitting Optical Glass Sales by Type (2021-2026)
- 5.3 Americas Infrared-Transmitting Optical Glass Sales by Application (2021-2026)

- 5.4 United States
- 5.5 Canada
- 5.6 Mexico
- 5.7 Brazil

6 APAC

- 6.1 APAC Infrared-Transmitting Optical Glass Sales by Region
 - 6.1.1 APAC Infrared-Transmitting Optical Glass Sales by Region (2021-2026)
 - 6.1.2 APAC Infrared-Transmitting Optical Glass Revenue by Region (2021-2026)
- 6.2 APAC Infrared-Transmitting Optical Glass Sales by Type (2021-2026)
- 6.3 APAC Infrared-Transmitting Optical Glass 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 Infrared-Transmitting Optical Glass by Country
 - 7.1.1 Europe Infrared-Transmitting Optical Glass Sales by Country (2021-2026)
 - 7.1.2 Europe Infrared-Transmitting Optical Glass Revenue by Country (2021-2026)
- 7.2 Europe Infrared-Transmitting Optical Glass Sales by Type (2021-2026)
- 7.3 Europe Infrared-Transmitting Optical Glass 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 Infrared-Transmitting Optical Glass by Country
 - 8.1.1 Middle East & Africa Infrared-Transmitting Optical Glass Sales by Country (2021-2026)
 - 8.1.2 Middle East & Africa Infrared-Transmitting Optical Glass Revenue by Country

(2021-2026)

8.2 Middle East & Africa Infrared-Transmitting Optical Glass Sales by Type (2021-2026)

8.3 Middle East & Africa Infrared-Transmitting Optical Glass 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 Infrared-Transmitting Optical Glass

10.3 Manufacturing Process Analysis of Infrared-Transmitting Optical Glass

10.4 Industry Chain Structure of Infrared-Transmitting Optical Glass

11 MARKETING, DISTRIBUTORS AND CUSTOMER

11.1 Sales Channel

11.1.1 Direct Channels

11.1.2 Indirect Channels

11.2 Infrared-Transmitting Optical Glass Distributors

11.3 Infrared-Transmitting Optical Glass Customer

12 WORLD FORECAST REVIEW FOR INFRARED-TRANSMITTING OPTICAL GLASS BY GEOGRAPHIC REGION

12.1 Global Infrared-Transmitting Optical Glass Market Size Forecast by Region

12.1.1 Global Infrared-Transmitting Optical Glass Forecast by Region (2027-2032)

12.1.2 Global Infrared-Transmitting Optical Glass 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 Infrared-Transmitting Optical Glass Forecast by Type (2027-2032)
- 12.7 Global Infrared-Transmitting Optical Glass Forecast by Application (2027-2032)

13 KEY PLAYERS ANALYSIS

13.1 Umicore

13.1.1 Umicore Company Information

13.1.2 Umicore Infrared-Transmitting Optical Glass Product Portfolios and Specifications

13.1.3 Umicore Infrared-Transmitting Optical Glass Sales, Revenue, Price and Gross Margin (2021-2026)

13.1.4 Umicore Main Business Overview

13.1.5 Umicore Latest Developments

13.2 Amorphous Materials

13.2.1 Amorphous Materials Company Information

13.2.2 Amorphous Materials Infrared-Transmitting Optical Glass Product Portfolios and Specifications

13.2.3 Amorphous Materials Infrared-Transmitting Optical Glass Sales, Revenue, Price and Gross Margin (2021-2026)

13.2.4 Amorphous Materials Main Business Overview

13.2.5 Amorphous Materials Latest Developments

13.3 Vitron Spezialwerkstoffe

13.3.1 Vitron Spezialwerkstoffe Company Information

13.3.2 Vitron Spezialwerkstoffe Infrared-Transmitting Optical Glass Product Portfolios and Specifications

13.3.3 Vitron Spezialwerkstoffe Infrared-Transmitting Optical Glass Sales, Revenue, Price and Gross Margin (2021-2026)

13.3.4 Vitron Spezialwerkstoffe Main Business Overview

13.3.5 Vitron Spezialwerkstoffe Latest Developments

13.4 CDGM Glass

13.4.1 CDGM Glass Company Information

13.4.2 CDGM Glass Infrared-Transmitting Optical Glass Product Portfolios and Specifications

13.4.3 CDGM Glass Infrared-Transmitting Optical Glass Sales, Revenue, Price and Gross Margin (2021-2026)

13.4.4 CDGM Glass Main Business Overview

- 13.4.5 CDGM Glass Latest Developments
- 13.5 Hubei New Huaguang
 - 13.5.1 Hubei New Huaguang Company Information
 - 13.5.2 Hubei New Huaguang Infrared-Transmitting Optical Glass Product Portfolios and Specifications
 - 13.5.3 Hubei New Huaguang Infrared-Transmitting Optical Glass Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.5.4 Hubei New Huaguang Main Business Overview
 - 13.5.5 Hubei New Huaguang Latest Developments
- 13.6 VOT
 - 13.6.1 VOT Company Information
 - 13.6.2 VOT Infrared-Transmitting Optical Glass Product Portfolios and Specifications
 - 13.6.3 VOT Infrared-Transmitting Optical Glass Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.6.4 VOT Main Business Overview
 - 13.6.5 VOT Latest Developments
- 13.7 LightPath Technologies
 - 13.7.1 LightPath Technologies Company Information
 - 13.7.2 LightPath Technologies Infrared-Transmitting Optical Glass Product Portfolios and Specifications
 - 13.7.3 LightPath Technologies Infrared-Transmitting Optical Glass Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.7.4 LightPath Technologies Main Business Overview
 - 13.7.5 LightPath Technologies Latest Developments
- 13.8 Schott
 - 13.8.1 Schott Company Information
 - 13.8.2 Schott Infrared-Transmitting Optical Glass Product Portfolios and Specifications
 - 13.8.3 Schott Infrared-Transmitting Optical Glass Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.8.4 Schott Main Business Overview
 - 13.8.5 Schott Latest Developments
- 13.9 AGC
 - 13.9.1 AGC Company Information
 - 13.9.2 AGC Infrared-Transmitting Optical Glass Product Portfolios and Specifications
 - 13.9.3 AGC Infrared-Transmitting Optical Glass Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.9.4 AGC Main Business Overview
 - 13.9.5 AGC Latest Developments
- 13.10 Corning

- 13.10.1 Corning Company Information
- 13.10.2 Corning Infrared-Transmitting Optical Glass Product Portfolios and Specifications
- 13.10.3 Corning Infrared-Transmitting Optical Glass Sales, Revenue, Price and Gross Margin (2021-2026)
- 13.10.4 Corning Main Business Overview
- 13.10.5 Corning Latest Developments
- 13.11 Ohara Corporation
 - 13.11.1 Ohara Corporation Company Information
 - 13.11.2 Ohara Corporation Infrared-Transmitting Optical Glass Product Portfolios and Specifications
 - 13.11.3 Ohara Corporation Infrared-Transmitting Optical Glass Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.11.4 Ohara Corporation Main Business Overview
 - 13.11.5 Ohara Corporation Latest Developments
- 13.12 HOYA
 - 13.12.1 HOYA Company Information
 - 13.12.2 HOYA Infrared-Transmitting Optical Glass Product Portfolios and Specifications
 - 13.12.3 HOYA Infrared-Transmitting Optical Glass Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.12.4 HOYA Main Business Overview
 - 13.12.5 HOYA Latest Developments
- 13.13 Sumita Optical Glass
 - 13.13.1 Sumita Optical Glass Company Information
 - 13.13.2 Sumita Optical Glass Infrared-Transmitting Optical Glass Product Portfolios and Specifications
 - 13.13.3 Sumita Optical Glass Infrared-Transmitting Optical Glass Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.13.4 Sumita Optical Glass Main Business Overview
 - 13.13.5 Sumita Optical Glass Latest Developments
- 13.14 Rochester Precision Optics
 - 13.14.1 Rochester Precision Optics Company Information
 - 13.14.2 Rochester Precision Optics Infrared-Transmitting Optical Glass Product Portfolios and Specifications
 - 13.14.3 Rochester Precision Optics Infrared-Transmitting Optical Glass Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.14.4 Rochester Precision Optics Main Business Overview
 - 13.14.5 Rochester Precision Optics Latest Developments

13.15 Crystran

13.15.1 Crystran Company Information

13.15.2 Crystran Infrared-Transmitting Optical Glass Product Portfolios and Specifications

13.15.3 Crystran Infrared-Transmitting Optical Glass Sales, Revenue, Price and Gross Margin (2021-2026)

13.15.4 Crystran Main Business Overview

13.15.5 Crystran Latest Developments

13.16 Edmund Optics

13.16.1 Edmund Optics Company Information

13.16.2 Edmund Optics Infrared-Transmitting Optical Glass Product Portfolios and Specifications

13.16.3 Edmund Optics Infrared-Transmitting Optical Glass Sales, Revenue, Price and Gross Margin (2021-2026)

13.16.4 Edmund Optics Main Business Overview

13.16.5 Edmund Optics Latest Developments

13.17 Gabrielle

13.17.1 Gabrielle Company Information

13.17.2 Gabrielle Infrared-Transmitting Optical Glass Product Portfolios and Specifications

13.17.3 Gabrielle Infrared-Transmitting Optical Glass Sales, Revenue, Price and Gross Margin (2021-2026)

13.17.4 Gabrielle Main Business Overview

13.17.5 Gabrielle Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

Table 1. Infrared-Transmitting Optical Glass Annual Sales CAGR by Geographic Region (2021, 2025 & 2032) & (\$ millions)

Table 2. Infrared-Transmitting Optical Glass Annual Sales CAGR by Country/Region (2021, 2025 & 2032) & (\$ millions)

Table 3. Major Players of Chalcogenide Glass

Table 4. Major Players of Germanium

Table 5. Major Players of ZnSe and ZnS

Table 6. Major Players of Others

Table 7. Global Infrared-Transmitting Optical Glass Sales by Type (2021-2026) & (Tons)

Table 8. Global Infrared-Transmitting Optical Glass Sales Market Share by Type (2021-2026)

Table 9. Global Infrared-Transmitting Optical Glass Revenue by Type (2021-2026) & (\$ million)

Table 10. Global Infrared-Transmitting Optical Glass Revenue Market Share by Type (2021-2026)

Table 11. Global Infrared-Transmitting Optical Glass Sale Price by Type (2021-2026) & (US\$/Kg)

Table 12. Major Players of Contains Germanium

Table 13. Major Players of Germanium-free

Table 14. Global Infrared-Transmitting Optical Glass Sales by Composition (2021-2026) & (Tons)

Table 15. Global Infrared-Transmitting Optical Glass Sales Market Share by Composition (2021-2026)

Table 16. Global Infrared-Transmitting Optical Glass Revenue by Composition (2021-2026) & (\$ million)

Table 17. Global Infrared-Transmitting Optical Glass Revenue Market Share by Composition (2021-2026)

Table 18. Global Infrared-Transmitting Optical Glass Sale Price by Composition (2021-2026) & (US\$/Kg)

Table 19. Major Players of Direct Sales

Table 20. Major Players of Distribution

Table 21. Global Infrared-Transmitting Optical Glass Sales by Marketing Method (2021-2026) & (Tons)

Table 22. Global Infrared-Transmitting Optical Glass Sales Market Share by Marketing

Method (2021-2026)

Table 23. Global Infrared-Transmitting Optical Glass Revenue by Marketing Method (2021-2026) & (\$ million)

Table 24. Global Infrared-Transmitting Optical Glass Revenue Market Share by Marketing Method (2021-2026)

Table 25. Global Infrared-Transmitting Optical Glass Sale Price by Marketing Method (2021-2026) & (US\$/Kg)

Table 26. Global Infrared-Transmitting Optical Glass Sale by Application (2021-2026) & (Tons)

Table 27. Global Infrared-Transmitting Optical Glass Sale Market Share by Application (2021-2026)

Table 28. Global Infrared-Transmitting Optical Glass Revenue by Application (2021-2026) & (\$ million)

Table 29. Global Infrared-Transmitting Optical Glass Revenue Market Share by Application (2021-2026)

Table 30. Global Infrared-Transmitting Optical Glass Sale Price by Application (2021-2026) & (US\$/Kg)

Table 31. Global Infrared-Transmitting Optical Glass Sales by Company (2021-2026) & (Tons)

Table 32. Global Infrared-Transmitting Optical Glass Sales Market Share by Company (2021-2026)

Table 33. Global Infrared-Transmitting Optical Glass Revenue by Company (2021-2026) & (\$ millions)

Table 34. Global Infrared-Transmitting Optical Glass Revenue Market Share by Company (2021-2026)

Table 35. Global Infrared-Transmitting Optical Glass Sale Price by Company (2021-2026) & (US\$/Kg)

Table 36. Key Manufacturers Infrared-Transmitting Optical Glass Producing Area Distribution and Sales Area

Table 37. Players Infrared-Transmitting Optical Glass Products Offered

Table 38. Infrared-Transmitting Optical Glass Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)

Table 39. New Products and Potential Entrants

Table 40. Market M&A Activity & Strategy

Table 41. Global Infrared-Transmitting Optical Glass Sales by Geographic Region (2021-2026) & (Tons)

Table 42. Global Infrared-Transmitting Optical Glass Sales Market Share Geographic Region (2021-2026)

Table 43. Global Infrared-Transmitting Optical Glass Revenue by Geographic Region

(2021-2026) & (\$ millions)

Table 44. Global Infrared-Transmitting Optical Glass Revenue Market Share by Geographic Region (2021-2026)

Table 45. Global Infrared-Transmitting Optical Glass Sales by Country/Region (2021-2026) & (Tons)

Table 46. Global Infrared-Transmitting Optical Glass Sales Market Share by Country/Region (2021-2026)

Table 47. Global Infrared-Transmitting Optical Glass Revenue by Country/Region (2021-2026) & (\$ millions)

Table 48. Global Infrared-Transmitting Optical Glass Revenue Market Share by Country/Region (2021-2026)

Table 49. Americas Infrared-Transmitting Optical Glass Sales by Country (2021-2026) & (Tons)

Table 50. Americas Infrared-Transmitting Optical Glass Sales Market Share by Country (2021-2026)

Table 51. Americas Infrared-Transmitting Optical Glass Revenue by Country (2021-2026) & (\$ millions)

Table 52. Americas Infrared-Transmitting Optical Glass Sales by Type (2021-2026) & (Tons)

Table 53. Americas Infrared-Transmitting Optical Glass Sales by Application (2021-2026) & (Tons)

Table 54. APAC Infrared-Transmitting Optical Glass Sales by Region (2021-2026) & (Tons)

Table 55. APAC Infrared-Transmitting Optical Glass Sales Market Share by Region (2021-2026)

Table 56. APAC Infrared-Transmitting Optical Glass Revenue by Region (2021-2026) & (\$ millions)

Table 57. APAC Infrared-Transmitting Optical Glass Sales by Type (2021-2026) & (Tons)

Table 58. APAC Infrared-Transmitting Optical Glass Sales by Application (2021-2026) & (Tons)

Table 59. Europe Infrared-Transmitting Optical Glass Sales by Country (2021-2026) & (Tons)

Table 60. Europe Infrared-Transmitting Optical Glass Revenue by Country (2021-2026) & (\$ millions)

Table 61. Europe Infrared-Transmitting Optical Glass Sales by Type (2021-2026) & (Tons)

Table 62. Europe Infrared-Transmitting Optical Glass Sales by Application (2021-2026) & (Tons)

Table 63. Middle East & Africa Infrared-Transmitting Optical Glass Sales by Country (2021-2026) & (Tons)

Table 64. Middle East & Africa Infrared-Transmitting Optical Glass Revenue Market Share by Country (2021-2026)

Table 65. Middle East & Africa Infrared-Transmitting Optical Glass Sales by Type (2021-2026) & (Tons)

Table 66. Middle East & Africa Infrared-Transmitting Optical Glass Sales by Application (2021-2026) & (Tons)

Table 67. Key Market Drivers & Growth Opportunities of Infrared-Transmitting Optical Glass

Table 68. Key Market Challenges & Risks of Infrared-Transmitting Optical Glass

Table 69. Key Industry Trends of Infrared-Transmitting Optical Glass

Table 70. Infrared-Transmitting Optical Glass Raw Material

Table 71. Key Suppliers of Raw Materials

Table 72. Infrared-Transmitting Optical Glass Distributors List

Table 73. Infrared-Transmitting Optical Glass Customer List

Table 74. Global Infrared-Transmitting Optical Glass Sales Forecast by Region (2027-2032) & (Tons)

Table 75. Global Infrared-Transmitting Optical Glass Revenue Forecast by Region (2027-2032) & (\$ millions)

Table 76. Americas Infrared-Transmitting Optical Glass Sales Forecast by Country (2027-2032) & (Tons)

Table 77. Americas Infrared-Transmitting Optical Glass Annual Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 78. APAC Infrared-Transmitting Optical Glass Sales Forecast by Region (2027-2032) & (Tons)

Table 79. APAC Infrared-Transmitting Optical Glass Annual Revenue Forecast by Region (2027-2032) & (\$ millions)

Table 80. Europe Infrared-Transmitting Optical Glass Sales Forecast by Country (2027-2032) & (Tons)

Table 81. Europe Infrared-Transmitting Optical Glass Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 82. Middle East & Africa Infrared-Transmitting Optical Glass Sales Forecast by Country (2027-2032) & (Tons)

Table 83. Middle East & Africa Infrared-Transmitting Optical Glass Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 84. Global Infrared-Transmitting Optical Glass Sales Forecast by Type (2027-2032) & (Tons)

Table 85. Global Infrared-Transmitting Optical Glass Revenue Forecast by Type

(2027-2032) & (\$ millions)

Table 86. Global Infrared-Transmitting Optical Glass Sales Forecast by Application (2027-2032) & (Tons)

Table 87. Global Infrared-Transmitting Optical Glass Revenue Forecast by Application (2027-2032) & (\$ millions)

Table 88. Umicore Basic Information, Infrared-Transmitting Optical Glass Manufacturing Base, Sales Area and Its Competitors

Table 89. Umicore Infrared-Transmitting Optical Glass Product Portfolios and Specifications

Table 90. Umicore Infrared-Transmitting Optical Glass Sales (Tons), Revenue (\$ Million), Price (US\$/Kg) and Gross Margin (2021-2026)

Table 91. Umicore Main Business

Table 92. Umicore Latest Developments

Table 93. Amorphous Materials Basic Information, Infrared-Transmitting Optical Glass Manufacturing Base, Sales Area and Its Competitors

Table 94. Amorphous Materials Infrared-Transmitting Optical Glass Product Portfolios and Specifications

Table 95. Amorphous Materials Infrared-Transmitting Optical Glass Sales (Tons), Revenue (\$ Million), Price (US\$/Kg) and Gross Margin (2021-2026)

Table 96. Amorphous Materials Main Business

Table 97. Amorphous Materials Latest Developments

Table 98. Vitron Spezialwerkstoffe Basic Information, Infrared-Transmitting Optical Glass Manufacturing Base, Sales Area and Its Competitors

Table 99. Vitron Spezialwerkstoffe Infrared-Transmitting Optical Glass Product Portfolios and Specifications

Table 100. Vitron Spezialwerkstoffe Infrared-Transmitting Optical Glass Sales (Tons), Revenue (\$ Million), Price (US\$/Kg) and Gross Margin (2021-2026)

Table 101. Vitron Spezialwerkstoffe Main Business

Table 102. Vitron Spezialwerkstoffe Latest Developments

Table 103. CDGM Glass Basic Information, Infrared-Transmitting Optical Glass Manufacturing Base, Sales Area and Its Competitors

Table 104. CDGM Glass Infrared-Transmitting Optical Glass Product Portfolios and Specifications

Table 105. CDGM Glass Infrared-Transmitting Optical Glass Sales (Tons), Revenue (\$ Million), Price (US\$/Kg) and Gross Margin (2021-2026)

Table 106. CDGM Glass Main Business

Table 107. CDGM Glass Latest Developments

Table 108. Hubei New Huaguang Basic Information, Infrared-Transmitting Optical Glass Manufacturing Base, Sales Area and Its Competitors

Table 109. Hubei New Huaguang Infrared-Transmitting Optical Glass Product Portfolios and Specifications

Table 110. Hubei New Huaguang Infrared-Transmitting Optical Glass Sales (Tons), Revenue (\$ Million), Price (US\$/Kg) and Gross Margin (2021-2026)

Table 111. Hubei New Huaguang Main Business

Table 112. Hubei New Huaguang Latest Developments

Table 113. VOT Basic Information, Infrared-Transmitting Optical Glass Manufacturing Base, Sales Area and Its Competitors

Table 114. VOT Infrared-Transmitting Optical Glass Product Portfolios and Specifications

Table 115. VOT Infrared-Transmitting Optical Glass Sales (Tons), Revenue (\$ Million), Price (US\$/Kg) and Gross Margin (2021-2026)

Table 116. VOT Main Business

Table 117. VOT Latest Developments

Table 118. LightPath Technologies Basic Information, Infrared-Transmitting Optical Glass Manufacturing Base, Sales Area and Its Competitors

Table 119. LightPath Technologies Infrared-Transmitting Optical Glass Product Portfolios and Specifications

Table 120. LightPath Technologies Infrared-Transmitting Optical Glass Sales (Tons), Revenue (\$ Million), Price (US\$/Kg) and Gross Margin (2021-2026)

Table 121. LightPath Technologies Main Business

Table 122. LightPath Technologies Latest Developments

Table 123. Schott Basic Information, Infrared-Transmitting Optical Glass Manufacturing Base, Sales Area and Its Competitors

Table 124. Schott Infrared-Transmitting Optical Glass Product Portfolios and Specifications

Table 125. Schott Infrared-Transmitting Optical Glass Sales (Tons), Revenue (\$ Million), Price (US\$/Kg) and Gross Margin (2021-2026)

Table 126. Schott Main Business

Table 127. Schott Latest Developments

Table 128. AGC Basic Information, Infrared-Transmitting Optical Glass Manufacturing Base, Sales Area and Its Competitors

Table 129. AGC Infrared-Transmitting Optical Glass Product Portfolios and Specifications

Table 130. AGC Infrared-Transmitting Optical Glass Sales (Tons), Revenue (\$ Million), Price (US\$/Kg) and Gross Margin (2021-2026)

Table 131. AGC Main Business

Table 132. AGC Latest Developments

Table 133. Corning Basic Information, Infrared-Transmitting Optical Glass

Manufacturing Base, Sales Area and Its Competitors

Table 134. Corning Infrared-Transmitting Optical Glass Product Portfolios and Specifications

Table 135. Corning Infrared-Transmitting Optical Glass Sales (Tons), Revenue (\$ Million), Price (US\$/Kg) and Gross Margin (2021-2026)

Table 136. Corning Main Business

Table 137. Corning Latest Developments

Table 138. Ohara Corporation Basic Information, Infrared-Transmitting Optical Glass Manufacturing Base, Sales Area and Its Competitors

Table 139. Ohara Corporation Infrared-Transmitting Optical Glass Product Portfolios and Specifications

Table 140. Ohara Corporation Infrared-Transmitting Optical Glass Sales (Tons), Revenue (\$ Million), Price (US\$/Kg) and Gross Margin (2021-2026)

Table 141. Ohara Corporation Main Business

Table 142. Ohara Corporation Latest Developments

Table 143. HOYA Basic Information, Infrared-Transmitting Optical Glass Manufacturing Base, Sales Area and Its Competitors

Table 144. HOYA Infrared-Transmitting Optical Glass Product Portfolios and Specifications

Table 145. HOYA Infrared-Transmitting Optical Glass Sales (Tons), Revenue (\$ Million), Price (US\$/Kg) and Gross Margin (2021-2026)

Table 146. HOYA Main Business

Table 147. HOYA Latest Developments

Table 148. Sumita Optical Glass Basic Information, Infrared-Transmitting Optical Glass Manufacturing Base, Sales Area and Its Competitors

Table 149. Sumita Optical Glass Infrared-Transmitting Optical Glass Product Portfolios and Specifications

Table 150. Sumita Optical Glass Infrared-Transmitting Optical Glass Sales (Tons), Revenue (\$ Million), Price (US\$/Kg) and Gross Margin (2021-2026)

Table 151. Sumita Optical Glass Main Business

Table 152. Sumita Optical Glass Latest Developments

Table 153. Rochester Precision Optics Basic Information, Infrared-Transmitting Optical Glass Manufacturing Base, Sales Area and Its Competitors

Table 154. Rochester Precision Optics Infrared-Transmitting Optical Glass Product Portfolios and Specifications

Table 155. Rochester Precision Optics Infrared-Transmitting Optical Glass Sales (Tons), Revenue (\$ Million), Price (US\$/Kg) and Gross Margin (2021-2026)

Table 156. Rochester Precision Optics Main Business

Table 157. Rochester Precision Optics Latest Developments

- Table 158. Crystran Basic Information, Infrared-Transmitting Optical Glass Manufacturing Base, Sales Area and Its Competitors
- Table 159. Crystran Infrared-Transmitting Optical Glass Product Portfolios and Specifications
- Table 160. Crystran Infrared-Transmitting Optical Glass Sales (Tons), Revenue (\$ Million), Price (US\$/Kg) and Gross Margin (2021-2026)
- Table 161. Crystran Main Business
- Table 162. Crystran Latest Developments
- Table 163. Edmund Optics Basic Information, Infrared-Transmitting Optical Glass Manufacturing Base, Sales Area and Its Competitors
- Table 164. Edmund Optics Infrared-Transmitting Optical Glass Product Portfolios and Specifications
- Table 165. Edmund Optics Infrared-Transmitting Optical Glass Sales (Tons), Revenue (\$ Million), Price (US\$/Kg) and Gross Margin (2021-2026)
- Table 166. Edmund Optics Main Business
- Table 167. Edmund Optics Latest Developments
- Table 168. Gabrielle Basic Information, Infrared-Transmitting Optical Glass Manufacturing Base, Sales Area and Its Competitors
- Table 169. Gabrielle Infrared-Transmitting Optical Glass Product Portfolios and Specifications
- Table 170. Gabrielle Infrared-Transmitting Optical Glass Sales (Tons), Revenue (\$ Million), Price (US\$/Kg) and Gross Margin (2021-2026)
- Table 171. Gabrielle Main Business
- Table 172. Gabrielle Latest Developments

List Of Figures

LIST OF FIGURES

- Figure 1. Picture of Infrared-Transmitting Optical Glass
- Figure 2. Infrared-Transmitting Optical Glass Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global Infrared-Transmitting Optical Glass Sales Growth Rate 2021-2032 (Tons)
- Figure 7. Global Infrared-Transmitting Optical Glass Revenue Growth Rate 2021-2032 (\$ millions)
- Figure 8. Infrared-Transmitting Optical Glass Sales by Geographic Region (2021, 2025 & 2032) & (\$ millions)
- Figure 9. Infrared-Transmitting Optical Glass Sales Market Share by Country/Region (2025)
- Figure 10. Infrared-Transmitting Optical Glass Sales Market Share by Country/Region (2021, 2025 & 2032)
- Figure 11. Product Picture of Chalcogenide Glass
- Figure 12. Product Picture of Germanium
- Figure 13. Product Picture of ZnSe and ZnS
- Figure 14. Product Picture of Others
- Figure 15. Global Infrared-Transmitting Optical Glass Sales Market Share by Type in 2026
- Figure 16. Global Infrared-Transmitting Optical Glass Revenue Market Share by Type (2021-2026)
- Figure 17. Product Picture of Contains Germanium
- Figure 18. Product Picture of Germanium-free
- Figure 19. Global Infrared-Transmitting Optical Glass Sales Market Share by Composition in 2026
- Figure 20. Global Infrared-Transmitting Optical Glass Revenue Market Share by Composition (2021-2026)
- Figure 21. Product Picture of Direct Sales
- Figure 22. Product Picture of Distribution
- Figure 23. Global Infrared-Transmitting Optical Glass Sales Market Share by Marketing Method in 2026
- Figure 24. Global Infrared-Transmitting Optical Glass Revenue Market Share by Marketing Method (2021-2026)

Figure 25. Infrared-Transmitting Optical Glass Consumed in Military and Defense

Figure 26. Global Infrared-Transmitting Optical Glass Market: Military and Defense (2021-2026) & (Tons)

Figure 27. Infrared-Transmitting Optical Glass Consumed in Security System

Figure 28. Global Infrared-Transmitting Optical Glass Market: Security System (2021-2026) & (Tons)

Figure 29. Infrared-Transmitting Optical Glass Consumed in Automotive

Figure 30. Global Infrared-Transmitting Optical Glass Market: Automotive (2021-2026) & (Tons)

Figure 31. Infrared-Transmitting Optical Glass Consumed in Industrial

Figure 32. Global Infrared-Transmitting Optical Glass Market: Industrial (2021-2026) & (Tons)

Figure 33. Infrared-Transmitting Optical Glass Consumed in Medical and Other

Figure 34. Global Infrared-Transmitting Optical Glass Market: Medical and Other (2021-2026) & (Tons)

Figure 35. Global Infrared-Transmitting Optical Glass Sale Market Share by Application (2025)

Figure 36. Global Infrared-Transmitting Optical Glass Revenue Market Share by Application in 2025

Figure 37. Infrared-Transmitting Optical Glass Sales by Company in 2025 (Tons)

Figure 38. Global Infrared-Transmitting Optical Glass Sales Market Share by Company in 2025

Figure 39. Infrared-Transmitting Optical Glass Revenue by Company in 2025 (\$ millions)

Figure 40. Global Infrared-Transmitting Optical Glass Revenue Market Share by Company in 2025

Figure 41. Global Infrared-Transmitting Optical Glass Sales Market Share by Geographic Region (2021-2026)

Figure 42. Global Infrared-Transmitting Optical Glass Revenue Market Share by Geographic Region in 2025

Figure 43. Americas Infrared-Transmitting Optical Glass Sales 2021-2026 (Tons)

Figure 44. Americas Infrared-Transmitting Optical Glass Revenue 2021-2026 (\$ millions)

Figure 45. APAC Infrared-Transmitting Optical Glass Sales 2021-2026 (Tons)

Figure 46. APAC Infrared-Transmitting Optical Glass Revenue 2021-2026 (\$ millions)

Figure 47. Europe Infrared-Transmitting Optical Glass Sales 2021-2026 (Tons)

Figure 48. Europe Infrared-Transmitting Optical Glass Revenue 2021-2026 (\$ millions)

Figure 49. Middle East & Africa Infrared-Transmitting Optical Glass Sales 2021-2026 (Tons)

Figure 50. Middle East & Africa Infrared-Transmitting Optical Glass Revenue 2021-2026 (\$ millions)

Figure 51. Americas Infrared-Transmitting Optical Glass Sales Market Share by Country in 2025

Figure 52. Americas Infrared-Transmitting Optical Glass Revenue Market Share by Country (2021-2026)

Figure 53. Americas Infrared-Transmitting Optical Glass Sales Market Share by Type (2021-2026)

Figure 54. Americas Infrared-Transmitting Optical Glass Sales Market Share by Application (2021-2026)

Figure 55. United States Infrared-Transmitting Optical Glass Revenue Growth 2021-2026 (\$ millions)

Figure 56. Canada Infrared-Transmitting Optical Glass Revenue Growth 2021-2026 (\$ millions)

Figure 57. Mexico Infrared-Transmitting Optical Glass Revenue Growth 2021-2026 (\$ millions)

Figure 58. Brazil Infrared-Transmitting Optical Glass Revenue Growth 2021-2026 (\$ millions)

Figure 59. APAC Infrared-Transmitting Optical Glass Sales Market Share by Region in 2025

Figure 60. APAC Infrared-Transmitting Optical Glass Revenue Market Share by Region (2021-2026)

Figure 61. APAC Infrared-Transmitting Optical Glass Sales Market Share by Type (2021-2026)

Figure 62. APAC Infrared-Transmitting Optical Glass Sales Market Share by Application (2021-2026)

Figure 63. China Infrared-Transmitting Optical Glass Revenue Growth 2021-2026 (\$ millions)

Figure 64. Japan Infrared-Transmitting Optical Glass Revenue Growth 2021-2026 (\$ millions)

Figure 65. South Korea Infrared-Transmitting Optical Glass Revenue Growth 2021-2026 (\$ millions)

Figure 66. Southeast Asia Infrared-Transmitting Optical Glass Revenue Growth 2021-2026 (\$ millions)

Figure 67. India Infrared-Transmitting Optical Glass Revenue Growth 2021-2026 (\$ millions)

Figure 68. Australia Infrared-Transmitting Optical Glass Revenue Growth 2021-2026 (\$ millions)

Figure 69. China Taiwan Infrared-Transmitting Optical Glass Revenue Growth

2021-2026 (\$ millions)

Figure 70. Europe Infrared-Transmitting Optical Glass Sales Market Share by Country in 2025

Figure 71. Europe Infrared-Transmitting Optical Glass Revenue Market Share by Country (2021-2026)

Figure 72. Europe Infrared-Transmitting Optical Glass Sales Market Share by Type (2021-2026)

Figure 73. Europe Infrared-Transmitting Optical Glass Sales Market Share by Application (2021-2026)

Figure 74. Germany Infrared-Transmitting Optical Glass Revenue Growth 2021-2026 (\$ millions)

Figure 75. France Infrared-Transmitting Optical Glass Revenue Growth 2021-2026 (\$ millions)

Figure 76. UK Infrared-Transmitting Optical Glass Revenue Growth 2021-2026 (\$ millions)

Figure 77. Italy Infrared-Transmitting Optical Glass Revenue Growth 2021-2026 (\$ millions)

Figure 78. Russia Infrared-Transmitting Optical Glass Revenue Growth 2021-2026 (\$ millions)

Figure 79. Middle East & Africa Infrared-Transmitting Optical Glass Sales Market Share by Country (2021-2026)

Figure 80. Middle East & Africa Infrared-Transmitting Optical Glass Sales Market Share by Type (2021-2026)

Figure 81. Middle East & Africa Infrared-Transmitting Optical Glass Sales Market Share by Application (2021-2026)

Figure 82. Egypt Infrared-Transmitting Optical Glass Revenue Growth 2021-2026 (\$ millions)

Figure 83. South Africa Infrared-Transmitting Optical Glass Revenue Growth 2021-2026 (\$ millions)

Figure 84. Israel Infrared-Transmitting Optical Glass Revenue Growth 2021-2026 (\$ millions)

Figure 85. Turkey Infrared-Transmitting Optical Glass Revenue Growth 2021-2026 (\$ millions)

Figure 86. GCC Countries Infrared-Transmitting Optical Glass Revenue Growth 2021-2026 (\$ millions)

Figure 87. Manufacturing Cost Structure Analysis of Infrared-Transmitting Optical Glass in 2026

Figure 88. Manufacturing Process Analysis of Infrared-Transmitting Optical Glass

Figure 89. Industry Chain Structure of Infrared-Transmitting Optical Glass

Figure 90. Channels of Distribution

Figure 91. Global Infrared-Transmitting Optical Glass Sales Market Forecast by Region (2027-2032)

Figure 92. Global Infrared-Transmitting Optical Glass Revenue Market Share Forecast by Region (2027-2032)

Figure 93. Global Infrared-Transmitting Optical Glass Sales Market Share Forecast by Type (2027-2032)

Figure 94. Global Infrared-Transmitting Optical Glass Revenue Market Share Forecast by Type (2027-2032)

Figure 95. Global Infrared-Transmitting Optical Glass Sales Market Share Forecast by Application (2027-2032)

Figure 96. Global Infrared-Transmitting Optical Glass Revenue Market Share Forecast by Application (2027-2032)

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