

# Global IR Optical Glass Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global IR Optical Glass market size is expected to reach \$ 561 million by 2032, rising at a market growth of 8.2% CAGR during the forecast period (2026-2032). In 2024, global production of IR optical glass reached 220.24 tons, with an average selling price of US\$1,457 per kilogram. Global annual production capacity for IR optical glass was approximately 373 tons, with a gross profit margin of approximately 30.2%. IR optical glass refers to optical glass materials with transmittance properties in the infrared band, used to manufacture optical components (such as lenses, prisms, and windows) for infrared imaging, sensing, and laser systems. Unlike visible light glass, IR glass requires optimization of transmittance, refractive index, dispersion, and thermal stability in the near-infrared (NIR), mid-infrared (MIR), or far-infrared (FIR) bands, and presents greater challenges in manufacturing processes, humidity sensitivity, and cost. The upstream of the IR optical glass industry chain includes quartz sand, calcium carbonate, and zinc sulfide, the midstream consists of IR optical glass manufacturers, and the downstream mainly comprises industries such as military defense, security systems, and automobiles.

This report studies the global IR Optical Glass production, demand, key manufacturers, and key regions.

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

### Highlights and key features of the study

Global IR Optical Glass total production and demand, 2021-2032, (Tons)

Global IR Optical Glass total production value, 2021-2032, (USD Million)

Global IR Optical Glass production by region & country, production, value, CAGR,

2021-2032, (USD Million) & (Tons), (based on production site)

Global IR Optical Glass consumption by region & country, CAGR, 2021-2032 & (Tons)

U.S. VS China: IR Optical Glass domestic production, consumption, key domestic manufacturers and share

Global IR Optical Glass production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Tons)

Global IR Optical Glass production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

Global IR Optical Glass production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

This report profiles key players in the global IR Optical Glass 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 Umicore, Amorphous Materials, Vitron Spezialwerkstoffe, CDGM Glass, Hubei New Huaguang, VOT, LightPath Technologies, Schott, AGC, Corning, 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 IR Optical Glass market

**Detailed Segmentation:**

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Tons) and average price (US\$/kg) 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 IR Optical Glass Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

#### Global IR Optical Glass Market, Segmentation by Type:

Chalcogenide Glass

Germanium

ZnSe and ZnS

Others

#### Global IR Optical Glass Market, Segmentation by Composition:

Contains Germanium

Germanium-free

#### Global IR Optical Glass Market, Segmentation by Visible Bands:

Mid-Wave Infrared Glass

Long-Wave Infrared Glass

#### Global IR Optical Glass Market, Segmentation by Application:

Military and Defense

Security System

Automotive

Industrial

Medical and Other

### **Companies Profiled:**

Umicore

Amorphous Materials

Vitron Spezialwerkstoffe

CDGM Glass

Hubei New Huaguang

VOT

LightPath Technologies

Schott

AGC

Corning

Ohara Corporation

Sumita Optical Glass

Crystran

Gabrielle

### **Key Questions Answered:**

1. How big is the global IR Optical Glass market?
2. What is the demand of the global IR Optical Glass market?

3. What is the year over year growth of the global IR Optical Glass market?
4. What is the production and production value of the global IR Optical Glass market?
5. Who are the key producers in the global IR Optical Glass market?
6. What are the growth factors driving the market demand?

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