

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

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Abstracts

The global IR Transmitting Glass market size is expected to reach \$ 582 million by 2032, rising at a market growth of 8.0% CAGR during the forecast period (2026-2032). IR Transmitting Glass is a special type of glass material. Unlike ordinary glass, it allows infrared light (thermal radiation) to pass through rather than block it. It is mainly used to manufacture lenses and windows in infrared thermal imagers, night vision devices, and other equipment. Common types include chalcogenide glasses, which are mainly composed of elements such as sulfur, selenium, and tellurium, as well as crystalline materials such as germanium, silicon, and gallium arsenide. It has high transmittance in atmospheric windows of 1-3 μ m, 3-5 μ m, and 8-12 μ m, making it a core material for modern infrared optical technology.

The gross profit margin of this industry is around 30%.

Increasing Adoption of Infrared Technology: As industries and applications continue to integrate infrared technology for various purposes such as surveillance, night vision, and thermal imaging, the demand for IR transmitting glass filters rises.

Growing Demand in Automotive Sector: Infrared transmitting glass filters find applications in the automotive industry, particularly in advanced driver-assistance systems (ADAS). The increasing adoption of ADAS features, which often use infrared sensors, contributes to the market growth.

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

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

Highlights and key features of the study

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

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

Global IR Transmitting Glass production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Tons), (based on production site)

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

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

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

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

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

This report profiles key players in the global IR Transmitting 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 Transmitting 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 Transmitting Glass Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global IR Transmitting Glass Market, Segmentation by Type:

Chalcogenide Glass

Germanium Glass

ZnSe and ZnS

Other

Global IR Transmitting Glass Market, Segmentation by Ingredients:

Contains Germanium

Germanium-free

Global IR Transmitting Glass Market, Segmentation by Marketing Method:

Direct Sales

Distribution

Global IR Transmitting 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

NEG

Gabrielle

Key Questions Answered:

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

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