

# Global Infrared Glass Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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## Abstracts

According to our (Global Info Research) latest study, the global Infrared Glass market size was valued at USD 182.4 million in 2023 and is forecast to a readjusted size of USD 316.8 million by 2030 with a CAGR of 8.2% during review period.

Infrared (IR), sometimes called infrared light, is electromagnetic radiation (EMR) with wavelengths longer than those of visible light. It is therefore invisible to the human eye. IR is generally understood to encompass wavelengths from around 1 milli-meter (300 GHz) to the nominal red edge of the visible spectrum, around 700 nano-meters (430 THz). Infrared Glass refers to allow infrared light to pass through the glass and reduce the loss of infrared light as much as possible. Because not all infrared light can easily pass through the glass. Near-infrared light can pass through glass like visible light, down to around 1.5 $\mu$ m. Glass absorbs around 3 $\mu$ m and above. Infrared glass materials include germanium, zinc selenide, zinc sulfur, magnesium fluoride, calcium fluoride, sapphire, chalcogenide glass, etc.

Global key players of Infrared Glass include Umicore, LightPath Technologies and Schott, etc. Global top three manufacturers hold a share nearly 50%. Europe is the largest producer of Infrared Glass, followed by United States and China.

The Global Info Research report includes an overview of the development of the Infrared Glass industry chain, the market status of Military & Defense (Chalcogenide Glass, Germanium Glass), Security System (Chalcogenide Glass, Germanium Glass), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Infrared Glass.

Regionally, the report analyzes the Infrared Glass markets in key regions. North

America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Infrared Glass market, with robust domestic demand, supportive policies, and a strong manufacturing base.

#### Key Features:

The report presents comprehensive understanding of the Infrared Glass market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Infrared Glass industry.

The report involves analyzing the market at a macro level:

**Market Sizing and Segmentation:** Report collect data on the overall market size, including the sales quantity (K Units), revenue generated, and market share of different by Type (e.g., Chalcogenide Glass, Germanium Glass).

**Industry Analysis:** Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Infrared Glass market.

**Regional Analysis:** The report involves examining the Infrared Glass market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

**Market Projections:** Report covers the gathered data and analysis to make future projections and forecasts for the Infrared Glass market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Infrared Glass:

**Company Analysis:** Report covers individual Infrared Glass manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

**Consumer Analysis:** Report covers data on consumer behaviour, preferences, and

attitudes towards Infrared Glass This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Military & Defense, Security System).

**Technology Analysis:** Report covers specific technologies relevant to Infrared Glass. It assesses the current state, advancements, and potential future developments in Infrared Glass areas.

**Competitive Landscape:** By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Infrared Glass market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

**Market Validation:** The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

## Market Segmentation

Infrared Glass market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

### Market segment by Type

Chalcogenide Glass

Germanium Glass

Zinc Selenide

Other

### Market segment by Application

Military & Defense

Security System

Automotive

Medical

Industrial

#### Major players covered

Umicore

LightPath Technologies

Schott

CDGM Glass Company

AGC

Amorphous Materials

Vital Optics Technology (VOT)

Corning

Hubei New Huaguang

Ohara Corporation

Vitron Spezialwerkstoffe

Sumita Optical Glass

Rochester Precision Optics

#### Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Infrared Glass product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Infrared Glass, with price, sales, revenue and global market share of Infrared Glass from 2019 to 2024.

Chapter 3, the Infrared Glass competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Infrared Glass breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023. and Infrared Glass market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Infrared Glass.

Chapter 14 and 15, to describe Infrared Glass sales channel, distributors, customers, research findings and conclusion.

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