

Advanced Glass Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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Report description:

Market Overview:

The global advanced glass market size reached US\$ 69.7 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 97.7 Billion by 2028, exhibiting a growth rate (CAGR) of 5.2% during 2023-2028.

Advanced glass is a superior grade of glass manufactured by combining various components, including soda ash, pure silica (SiO₂), fused quartz, natural gas, and sodium carbonate (Na₂CO₃). Unlike conventional glass, it undergoes several specific chemical and mechanical procedures that enhance its strength and durability for several applications. Apart from this, advanced glass has a high-performance index that protects from ultraviolet (UV) radiation, improves soundproofing characteristics, and provides security and resistance against acid erosion. Based on these properties, advanced glass finds extensive applications in screen protectors for multiple consumer electronics, flat panel displays, lenses, and windscreens. At present, it is commercially available in coated, toughened, laminated, and ceramic glass types.

Advanced Glass Market Trends:

With the signification expansion in construction activities, there has been increasing demand for effective value-added renovation materials, such as advanced glass, across various commercial and residential complexes, which is primarily driving the market growth. This can be further attributed to the ongoing investments in several infrastructural projects and the rising consumer awareness regarding the multiple benefits associated with the product. In line with this, the extensive utilization of advanced glass by original equipment manufacturers (OEMs) and automobile companies to compose easy-to-install vehicle windows is acting as another growth-inducing factor. The glass provides optimal comfort to the driver and passenger by inhibiting the heat release, further minimizing air conditioning load and improving fuel efficiency. Additionally, rapid technological advancements in the manufacturing process and the introduction of varying product types, such as smart, thin, safe crystal, nano canal, and self-cleaning glass, are contributing to the market growth. Other factors, such as extensive utilization of advanced glass in

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multiple consumer electronics, including laptops, desktops, and smartphones, and strategic collaborations amongst key players to enhance product performance and efficacy, are creating a positive outlook for the market.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global advanced glass market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on product type, function and end use industry.

Breakup by Product Type:

- Coated Glass
- Laminated Glass
- Toughened Glass
- Ceramic Glass

Breakup by Function:

- Safety and Security
- Solar Control
- Optics and Lighting
- High Performance

Breakup by End Use Industry:

- Building and Construction
- Aerospace and Defense
- Automotive
- Electronics
- Sports and Leisure
- Optical
- Others

Breakup by Region:

- North America
 - United States
 - Canada
- Asia-Pacific
 - China
 - Japan
 - India
 - South Korea
 - Australia
 - Indonesia
 - Others
- Europe
 - Germany

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France
United Kingdom
Italy
Spain
Russia
Others
Latin America
Brazil
Mexico
Others
Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being AGC Inc., Compagnie de Saint-Gobain S.A., Corning Incorporated, Fuyao Glass Industry Group Co. Ltd., Gentex Corporation, Koch Industries Inc., Nippon Sheet Glass Co. Ltd., Schott AG, Sisecam (Turkiye Is Bankasi A.S.), Tyneside Safety Glass and Xinyi Glass Holdings Limited.

Key Questions Answered in This Report:

How has the global advanced glass market performed so far and how will it perform in the coming years?

What has been the impact of COVID-19 on the global advanced glass market?

What are the key regional markets?

What is the breakup of the market based on the product type?

What is the breakup of the market based on the function?

What is the breakup of the market based on the end use industry?

What are the various stages in the value chain of the industry?

What are the key driving factors and challenges in the industry?

What is the structure of the global advanced glass market and who are the key players?

What is the degree of competition in the industry?

Table of Contents:

- 1 Preface
- 2 Scope and Methodology
 - 2.1 Objectives of the Study
 - 2.2 Stakeholders
 - 2.3 Data Sources
 - 2.3.1 Primary Sources
 - 2.3.2 Secondary Sources
 - 2.4 Market Estimation
 - 2.4.1 Bottom-Up Approach
 - 2.4.2 Top-Down Approach
 - 2.5 Forecasting Methodology
- 3 Executive Summary
- 4 Introduction
 - 4.1 Overview
 - 4.2 Key Industry Trends
- 5 Global Advanced Glass Market

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- 5.1Market Overview
- 5.2Market Performance
- 5.3Impact of COVID-19
- 5.4Market Forecast
- 6 Market Breakup by Product Type
 - 6.1Coated Glass
 - 6.1.1 Market Trends
 - 6.1.2 Market Forecast
 - 6.2Laminated Glass
 - 6.2.1 Market Trends
 - 6.2.2 Market Forecast
 - 6.3Toughened Glass
 - 6.3.1 Market Trends
 - 6.3.2 Market Forecast
 - 6.4Ceramic Glass
 - 6.4.1 Market Trends
 - 6.4.2 Market Forecast
- 7 Market Breakup by Function
 - 7.1Safety and Security
 - 7.1.1 Market Trends
 - 7.1.2 Market Forecast
 - 7.2Solar Control
 - 7.2.1 Market Trends
 - 7.2.2 Market Forecast
 - 7.3Optics and Lighting
 - 7.3.1 Market Trends
 - 7.3.2 Market Forecast
 - 7.4High Performance
 - 7.4.1 Market Trends
 - 7.4.2 Market Forecast
- 8 Market Breakup by End Use Industry
 - 8.1Building and Construction
 - 8.1.1 Market Trends
 - 8.1.2 Market Forecast
 - 8.2Aerospace and Defense
 - 8.2.1 Market Trends
 - 8.2.2 Market Forecast
 - 8.3Automotive
 - 8.3.1 Market Trends
 - 8.3.2 Market Forecast
 - 8.4Electronics
 - 8.4.1 Market Trends
 - 8.4.2 Market Forecast
 - 8.5Sports and Leisure
 - 8.5.1 Market Trends
 - 8.5.2 Market Forecast
 - 8.6Optical

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- 8.6.1 Market Trends
- 8.6.2 Market Forecast
- 8.7 Others
 - 8.7.1 Market Trends
 - 8.7.2 Market Forecast
- 9 Market Breakup by Region
 - 9.1 North America
 - 9.1.1 United States
 - 9.1.1.1 Market Trends
 - 9.1.1.2 Market Forecast
 - 9.1.2 Canada
 - 9.1.2.1 Market Trends
 - 9.1.2.2 Market Forecast
 - 9.2 Asia-Pacific
 - 9.2.1 China
 - 9.2.1.1 Market Trends
 - 9.2.1.2 Market Forecast
 - 9.2.2 Japan
 - 9.2.2.1 Market Trends
 - 9.2.2.2 Market Forecast
 - 9.2.3 India
 - 9.2.3.1 Market Trends
 - 9.2.3.2 Market Forecast
 - 9.2.4 South Korea
 - 9.2.4.1 Market Trends
 - 9.2.4.2 Market Forecast
 - 9.2.5 Australia
 - 9.2.5.1 Market Trends
 - 9.2.5.2 Market Forecast
 - 9.2.6 Indonesia
 - 9.2.6.1 Market Trends
 - 9.2.6.2 Market Forecast
 - 9.2.7 Others
 - 9.2.7.1 Market Trends
 - 9.2.7.2 Market Forecast
 - 9.3 Europe
 - 9.3.1 Germany
 - 9.3.1.1 Market Trends
 - 9.3.1.2 Market Forecast
 - 9.3.2 France
 - 9.3.2.1 Market Trends
 - 9.3.2.2 Market Forecast
 - 9.3.3 United Kingdom
 - 9.3.3.1 Market Trends
 - 9.3.3.2 Market Forecast
 - 9.3.4 Italy
 - 9.3.4.1 Market Trends

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- 9.3.4.2 Market Forecast
- 9.3.5 Spain
 - 9.3.5.1 Market Trends
 - 9.3.5.2 Market Forecast
- 9.3.6 Russia
 - 9.3.6.1 Market Trends
 - 9.3.6.2 Market Forecast
- 9.3.7 Others
 - 9.3.7.1 Market Trends
 - 9.3.7.2 Market Forecast
- 9.4 Latin America
 - 9.4.1 Brazil
 - 9.4.1.1 Market Trends
 - 9.4.1.2 Market Forecast
 - 9.4.2 Mexico
 - 9.4.2.1 Market Trends
 - 9.4.2.2 Market Forecast
 - 9.4.3 Others
 - 9.4.3.1 Market Trends
 - 9.4.3.2 Market Forecast
- 9.5 Middle East and Africa
 - 9.5.1 Market Trends
 - 9.5.2 Market Breakup by Country
 - 9.5.3 Market Forecast
- 10 SWOT Analysis
 - 10.1 Overview
 - 10.2 Strengths
 - 10.3 Weaknesses
 - 10.4 Opportunities
 - 10.5 Threats
- 11 Value Chain Analysis
- 12 Porters Five Forces Analysis
 - 12.1 Overview
 - 12.2 Bargaining Power of Buyers
 - 12.3 Bargaining Power of Suppliers
 - 12.4 Degree of Competition
 - 12.5 Threat of New Entrants
 - 12.6 Threat of Substitutes
- 13 Price Analysis
- 14 Competitive Landscape
 - 14.1 Market Structure
 - 14.2 Key Players
 - 14.3 Profiles of Key Players
 - 14.3.1 AGC Inc.
 - 14.3.1.1 Company Overview
 - 14.3.1.2 Product Portfolio
 - 14.3.1.3 Financials

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- 14.3.1.4 SWOT Analysis
- 14.3.2Compagnie de Saint-Gobain S.A.
 - 14.3.2.1 Company Overview
 - 14.3.2.2 Product Portfolio
 - 14.3.2.3 Financials
 - 14.3.2.4 SWOT Analysis
- 14.3.3Corning Incorporated
 - 14.3.3.1 Company Overview
 - 14.3.3.2 Product Portfolio
 - 14.3.3.3 Financials
 - 14.3.3.4 SWOT Analysis
- 14.3.4Fuyao Glass Industry Group Co. Ltd.
 - 14.3.4.1 Company Overview
 - 14.3.4.2 Product Portfolio
 - 14.3.4.3 Financials
- 14.3.5Gentex Corporation
 - 14.3.5.1 Company Overview
 - 14.3.5.2 Product Portfolio
 - 14.3.5.3 Financials
- 14.3.6Koch Industries Inc.
 - 14.3.6.1 Company Overview
 - 14.3.6.2 Product Portfolio
 - 14.3.6.3 SWOT Analysis
- 14.3.7Nippon Sheet Glass Co. Ltd.
 - 14.3.7.1 Company Overview
 - 14.3.7.2 Product Portfolio
 - 14.3.7.3 Financials
 - 14.3.7.4 SWOT Analysis
- 14.3.8Schott AG
 - 14.3.8.1 Company Overview
 - 14.3.8.2 Product Portfolio
 - 14.3.8.3 SWOT Analysis
- 14.3.9Sisecam (Turkiye Is Bankasi A.S.)
 - 14.3.9.1 Company Overview
 - 14.3.9.2 Product Portfolio
 - 14.3.9.3 Financials
- 14.3.10Tyneside Safety Glass
 - 14.3.10.1 Company Overview
 - 14.3.10.2 Product Portfolio
- 14.3.11Xinyi Glass Holdings Limited
 - 14.3.11.1 Company Overview
 - 14.3.11.2 Product Portfolio
 - 14.3.11.3 Financials

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