

Smart Glass Market Report and Forecast 2025-2034

Market Report | 2025-08-13 | 168 pages | EMR Inc.

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Report description:

The global smart glass market attained a value of nearly USD 6.04 Billion in 2024. The smart glass market is further expected to grow in the forecast period of 2025-2034 at a CAGR of 16.20% to reach USD 27.11 Billion by 2034.

Market Segmentation

Smart glass or switchable glass refers to a glass or glazing whose light-transmitting characteristics are altered when the strength, illumination, or heat is applied. This is also the case with smart windows or switchable windows. The glass switches usually from clear to translucent, and vice versa; from allowing light to block some (or all) wavelengths of light and vice versa.

On the basis of technology, the smart glass market can be divided into:

- Electrochromic (EC)
- Polymer Dispersed Liquid Crystal (PDLC)
- Suspended Particles Devices (SPD)
- Thermochromic
- Photochromic

The smart glass market can be broadly categorised based on its applications into:

- Construction
- Transportation
- Electronics
- Power Generation

Looks into the regional markets of smart glass like:

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- North America
- Europe
- Asia Pacific
- Latin America
- Middle East and Africa

Market Analysis

The rising product demand for improved aesthetics in residential as well as commercial buildings is projected to fuel the smart glass market growth in the forecast period. Architects are increasingly utilising smart technology in new buildings, which is anticipated to have a positive effect on the product demand in the field of architectural applications. Smart glass is slowly replacing its traditional equivalent in cars, aircraft, and trains, leading to substantial growth prospects for transport sector manufacturers. Due to the increased use in commercial buildings and the transport sector, the electrochromic smart glass segment is expected to witness the highest growth in the industry.

Competitive Landscape

The report presents a detailed analysis of the following key players in the global smart glass market, looking into their capacity, competitive landscape, and latest developments like capacity expansions, plant turnarounds, and mergers and acquisitions:

- AGC Inc.
- Compagnie de Saint-Gobain S.A.
- Corning Incorporated
- Gentex Corporation
- Guardian Industries Holdings
- Polytronix, Inc.
- Others

The EMR report gives an in-depth insight into the smart glass market by providing a SWOT analysis as well as an analysis of Porter's Five Forces model.

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