

Ultra-thin Glass Market Size, Share & Trends Analysis Report By Application (Flat Panel Displays, Semiconductor, Automotive Glazing), By Region (North America, Europe, Asia Pacific, Latin America, MEA), And Segment Forecasts, 2025 - 2030

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Abstracts

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Ultra-thin Glass Market Growth & Trends

The global ultra-thin glass market size is expected to reach USD 37.7 billion by 2030, registering a CAGR of 9.7% from 2025 to 2030, according to a new report by Grand View Research, Inc. The demand for ultra-thin glass is increasing in semiconductors on account of superior characteristics such as light weight and optimum performance as compared to its counterparts.

In April 2019, Samsung Electronics announced investment of around USD 114.8 billion by 2030 in logic chips business. The ongoing investments in the semiconductor industry is likely to augment the product demand over the coming years.

Ultra-thin glass is gaining acknowledgement in solar industry for manufacturing of solar panels. Leoflex, an ultra-thin glass produced by AGC Inc. of thickness ranging from 0.85mm and 1.10mm is extensively used for solar panels. According to the International Renewable Energy Agency, the solar photovoltaic capacity installations increased by 24.4% from 2017 to 2018 and is expected to grow by 50% from 2019 to 2024. The rising capacity installations is likely to propel the demand for solar panels, which can positively impact on the demand for ultra-thin glass.

Asia Pacific was the largest segment for the market in 2018 on account of increasing government initiatives to propel the manufacturing sector in India and China. For instance, the USD 15.2 billion investment for production expansion announced by BOE Technology Group, a major display manufacturer in China, in March 2018 is expected

to be majorly backed by the local government.

The market is highly consolidated and competitive in nature due to the presence of multinational corporations. Also, manufacturing processes including down-draw and overflow are both technology and capital-intensive. These factors are anticipated to create barriers for new entrants over the forecast period.

Ultra-thin Glass Market Report Highlights

Flat panel displays dominated the ultra-thin glass market and accounted for a revenue share of 39.5% in 2024. The growth of the flat panel display market is driven by increasing demand for high-resolution displays in consumer electronics, such as smartphones, smartwatches, and smart TVs.

The semiconductor segment in the ultra-thin glass market is expected to grow significantly at a CAGR of 10.2% over the forecast period. Ultra-thin glass is vital for semiconductor packaging, enabling miniaturization, low dielectric loss, and thermal stability.

The Asia Pacific ultra-thin glass market dominated the global market and accounted for the largest revenue share, 38.9% in 2024. Japan's investment in ultra-thin, flexible perovskite solar panels exemplifies the region's commitment to renewable energy.

The Middle East and Africa ultra-thin glass market is expected to grow significantly, at a CAGR of 8.1% over the forecast period. Most Middle Eastern countries are major hubs for electronics manufacturing.

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