

Cover Glass Market Size, Share and Growth Analysis Report - Forecast Trends and Outlook (2025-2034)

Market Report | 2025-08-13 | 159 pages | EMR Inc.

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Report description:

The cover glass market attained a value of USD 45.00 Billion as of 2024 and is anticipated to grow at a CAGR of 3.50% during the forecast period of 2025 to 2034. Growing applications of smartphones, tablets, and in-vehicle displays are fueling demand for high-durability, scratch-resistant cover glass for long-term life, premium looks, and improved touch functionality in next-generation digital and automotive applications. The market is thus expected to reach a value of nearly USD 63.48 Billion by 2034 .

Cover Glass Market Growth

The increasing popularity of augmented reality (AR), virtual reality (VR), and wearables is tremendously propelling the cover glass industry. The latter needs ultra-resilient, light-weighted, and visually better glass that can enrich experience while providing both clarity and ruggedness. Organizations such as Apple and Meta included scratch-proof and anti-reflective cover glass in AR/VR headsets to offer immersion and resistance enhancement. Also, fitness trackers and smartwatches depend on curved, impact-resistant glass in order to provide touch sensitivity yet withstand daily wear and tear, thus augmenting the growth of cover glass market.

Another important impetus is growing demand for flexible and foldable displays for smartphones, tablets, and laptops. Companies such as Samsung and Huawei have released foldable phones that utilize special bendable glass to provide strength along with a seamless, smooth fold. This technology requires ultra-thin but strong materials that can endure repeated bending without cracking, propelling the cover glass demand. Corning and other companies have created flexible glass solutions that offer both strength and transparency, making the next generation of foldable devices possible. As this trend continues, the need for high-performance cover glass with improved scratch resistance, durability, and foldability will drive market growth.

Key Trends and Recent Developments

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Automotive, ultra-thin, sustainable, and biometric-integrated cover glass innovations enhance durability, portability, eco-friendliness, and security, meeting evolving consumer and industry demands, thus shaping the cover glass market dynamics and trends.

March 2025

Corning introduced Gorilla Glass Ceramic, a strong, transparent glass ceramic improving drop performance on rough surfaces. It expands Corning's durable cover materials portfolio and will debut on a Motorola device, reinforcing Corning's commitment to innovation in mobile device durability.

April 2024

AGC has developed high-performance cover glass for advanced in-car displays, enhancing visibility, touch functionality, and aesthetics. As vehicles evolve into "mobile living spaces," AGC's glass solutions improve display durability and interactivity, supporting next-generation automotive innovations driven by autonomous and connected vehicle technologies.

January 2024

Bharat Innovative Glass Technologies (BIG TECH) set up a INR1,003 crore cover glass manufacturing facility at SIPCOT Pillaipakkam, Kancheepuram. The project introduced precision glass-processing technology to India and created 840 jobs, following an MoU signed with Tamil Nadu government officials.

November 2022

AvanStrate Inc. launched AvanRhino Cover Glass, offering exceptional drop and scratch resistance for smartphones, laptops, tablets, and automotive monitors. Made from lithium aluminosilicate with boron oxide and silica, it enhances durability while supporting global rhinoceros conservation efforts with every unit sold.

Increased Adoption in Automotive Displays

The surge in smart dashboards, HUDs, and infotainment systems has fueled the demand for strong, anti-glare, and scratch-free cover glass in cars. Car makers are using high-strength glass to improve touch operability and clarity, promising durability and luxury look in new connected car interiors, thus pushing the growth of the cover glass market.

Advancements in Ultra-Thin and Lightweight Glass

Manufacturers are creating ultra-thin, lightweight glass for smartphones, tablets, and wearables to enhance portability without sacrificing strength. These advancements enable device weight reduction with great impact resistance and optical clarity, meeting demand for slimmer, more ergonomic designs.

Sustainability and Eco-Friendly Manufacturing

As the world sees increased environmental pressure, businesses are shifting towards reusable materials and more energy-efficient production processes to curb their carbon impact. Sustainable production of cover glass entails waste minimization, using lead-free compositions for glass, and adopting cleaner supply chain methods to address governmental, and consumer calls for environmentally friendly electronics, thereby helping to create new trends in the cover glass market.

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Enhanced Security and Biometric Integration

Cover glass is currently engineered to enable under-display biometric sensors, including fingerprint and facial recognition sensors. Advanced coatings and improvements in transparency provide seamless sensor performance while ensuring durability, making for more secure and frictionless authentication on smartphones, laptops, and other electronic products.

Cover Glass Market Trends

One of the key trends in cover glass is the growing demand for foldable and flexible glass, promoted by the requirements for foldable smartphones, AR/VR units, and auto interfaces. Industries are developing super-thin yet highly resistant glass that can fold without sacrificing toughness or transparency. This technology holds the key for future consumer electronics, both driving and enabling a new level of aesthetics and usability, and thereby shaping the trends in the cover glass market.

Another trend in growth is the introduction of next-generation coatings for enhanced user experience. Companies are creating anti-glare, fingerprint-repellent, and antimicrobial coatings to maximize display performance and cleanliness. As consumers become more concerned with screen cleanliness and ease of viewing in varying light environments, these coatings are increasingly becoming a necessity for smartphones, tablets, and wearables, propelling greater demand for high-performance cover glass solutions.

Cover Glass Industry Segmentation

The EMR's report titled "Cover Glass Market Report and Forecast 2025-2034" offers a detailed analysis of the market based on the following segments:

Market Breakup by Type

- Gorilla
- Sapphire
- Dragontrail
- 3D Glass
- Others

Market Breakup by Application

- Smartphones
- Tablet
- Smart Watch
- Automotive
- Others

Market Breakup by Region

- North America
- Europe
- Asia Pacific
- Latin America

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- Middle East and Africa

Cover Glass Market Share

The cover glass market at a global level is experiencing noteworthy growth due to development in flexibility, transparency, and durability. As per global cover glass market analysis, a number of different types of cover glass such as Gorilla, Sapphire, Dragontrail, and 3D Glass are coming into greater usage as users prefer more hard-wearing, thinner, and good-looking devices. Corning's Gorilla Glass is the market benchmark for its high impact resistance, scratch resistance, and thinness, which has made it the number one choice for smartphone, tablet, laptop, and wearable applications. The newest Gorilla Glass Victus series further improves drop and scratch resistance to address the increasing demand for more robust displays for high-end and mid-range phones. Likewise, AGC's Dragontrail Glass offers affordable toughness and is well-suited for budget-friendly smartphones, tablets, and car displays, especially for Asian markets.

Sapphire Glass is gaining momentum as a high-end option with its remarkable hardness and resistance to scratches, being used in luxury smartphones, high-end smartwatches, and camera lenses. According to cover glass industry analysis, Apple incorporates sapphire into camera covers and biometric sensors for added toughness. At the same time, 3D Glass is picking up speed as the need for curved and foldable displays in smartphones, AR/VR headsets, and car interfaces grows. Its capability to facilitate smooth edge designs and enhanced aesthetics makes it an essential material for future electronics. As producers keep pushing the boundaries with tougher, thinner, and more bendable glass, these innovations are defining the future of consumer electronics, opening up new possibilities in automotive, wearables, and industrial markets, and fueling competition among top cover glass manufacturers.

Competitive landscape

Major players in the cover glass market, such as Corning Inc., Schott AG, and AGC Inc., are focusing on innovative product development to meet the increasing demand for high-performance glass solutions. They are investing in the creation of thin, durable, and chemically resistant cover glasses, leveraging advancements in glass processing technologies. Additionally, they are diversifying their product offerings to cater to various industries, including electronics, automotive, and solar energy, ensuring they can meet a broad spectrum of consumer needs.

Corning Inc.

Corning Inc., founded in 1851, Corning, New York, United States, provides Gorilla Glass, a leading, tough cover glass found in many smartphones, tablets, and wearables. Its reputation for scratch resistance, light weight, and increased drop protection has Corning innovating even further with strengthened glass solutions for consumer devices and automotive use.

AGC Inc.

AGC Inc. is a 1907 Japanese company with headquarters in Tokyo, offering Dragontrail Glass, a high-strength cover glass for smartphones, tablets, and automotive screens. Its high durability, scratch resistance, and thin design make it an excellent choice for high-performance touchscreens. AGC specializes in pushing the boundaries of glass technology for better optical clarity and energy efficiency.

Schott AG

Schott AG, founded in 1884, has its headquarters in Mainz, Germany. They provide Xensation Cover Glass, an extremely thin, ultra-strong glass ideal for mobiles and automotive solutions. With unparalleled impact resistance and anti-reflective capabilities,

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Schott services high-end electronics producers looking to achieve greater toughness and optical excellence.

Biel Crystal Manufactory Limited

Biel Crystal Manufactory Limited, founded in 1986, headquartered in Hong Kong, China, is a specialist in high-precision cover glass for smartphones, smartwatches, and tablets. Being one of the leading suppliers for large tech brands, Biel Crystal is committed to high-transparency, scratch-resistance glass using advanced processing technology to cater to changing design and durability requirements.

Other key players in the cover glass market report include TPK Holding Co., Ltd., Nippon Electric Glass Co., Ltd., and O-film Tech Co., Ltd., among others.

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