

CORNING

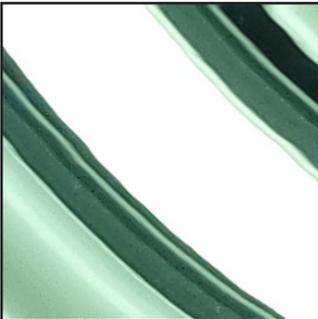
Corning® Curved Mirror Solution

As head-up displays (HUDs) grow in both field of view (FOV) and interactivity with augmented reality (AR), Corning® Curved Mirror Solutions provide freeform, distortion-free glass surfaces that better enable these trends. Formed using proprietary hot-forming technology, Corning's glass mirror solutions provide a unique combination of large size options, superior shape accuracy, and excellent material surface quality and stability, making them the idea aspheric mirror solution for next-generation HUD systems.

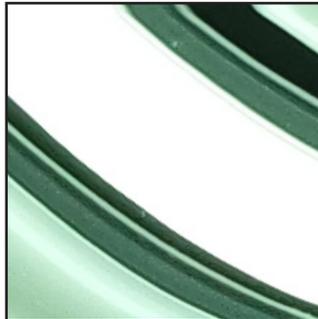
Benefits

- HUD Imaging improvement by better surface accuracy and less surface roughness
 - Surface Accuracy (Peak to Valley) < 50µm
 - Surface Roughness < 1nm

Plastic Mirror Surface



Corning Glass Mirror Surface



- Larger FOV for AR content enabled by large mirror size
- Thin-yet-tough form factor enables smaller packaging
 - Thickness 2mm
- Complex coating by better adhesion and thermal durability
 - E.g. Cold mirror coating and wavelength sensitive coating
- Faster prototyping for Proof of Concept
 - Sample delivery lead time within 10 weeks
 - Can eliminate metal mirror making process

Properties

Glass Density	2.39 g/cm ³
Thickness	2mm
Reflectance (at VIS)	> 91%
Size (Length x Width)	Up to 400mm x 300mm
Surface Roughness	< 1nm

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Contact your account representative for additional product specifications and availability.

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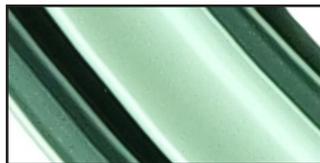
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