



Augmented Reality Solutions

Corning Augmented Reality Solutions is uniquely positioned to deliver an integrated glass solution including high-index glass with high optical transmission and exceptional flatness, high-throughput flatness metrology expertise, and fully automated laser cutting technology.

Benefits

- High transparency
- Low birefringence
- High index (index 1.7 and above)
- High durability
- Optical quality
- Low TTV
- High mechanical stability, stiffness, better geometrical stability

Capabilities

- Available sizes: 150/200mm wafers
- Thickness \geq 0.5mm
- Profoundly flat
- Anti-reflective coating available

High Index Glass Wafers

Fully integrated supply chain from raw glass melting to wafer-finishing processes

Material	Dimensions	Geometry	Surface
High index glass (1.7 index and above)	Rounds D150–200mm	TTV * <5 μ m Bow <20 μ m	Roughness <2nm
Adjustable to other index glass	\geq 0.5mm thickness	Wedge <0.1 arcmin	Cosmetic ** 40/20

Supported by Tropel® Flatmaster®, a high throughput metrology tool capable of measuring tight geometrical surface attributes accurately and rapidly

* Total thickness variation

** Scratches and digs

For “see-through” consumer electronic applications, Corning’s solutions deliver outstanding field of view, image quality, and definition (sharpness, contrast, and low chromatic aberrations).

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