Corning precision glass wafers provide the unique combination of a high-index material with high optical transmission, and exceptional flatness. Corning is uniquely positioned to deliver an integrated glass solution, including high-index precision wafers, 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 ≥ 0.5mm
- Profoundly flat
- AR coating can be provided

**High Index Glass Wafers**

**Fully integrated supply chain, from raw glass melting to wafer finishing process**

<table>
<thead>
<tr>
<th>Material</th>
<th>Dimensions</th>
<th>Geometry</th>
<th>Surface</th>
</tr>
</thead>
<tbody>
<tr>
<td>High Index Glass</td>
<td>Rounds D150–200mm</td>
<td>TTV * &lt;5µm</td>
<td>Roughness &lt;2nm</td>
</tr>
<tr>
<td>(1.7 index and above)</td>
<td>≥ 0.5mm thickness</td>
<td>Bow &lt;20µm</td>
<td>Cosmetic ** 40/20</td>
</tr>
<tr>
<td>Adjustable to other index</td>
<td>Bow &lt;20µm</td>
<td>Wedge &lt;0.1 arcmin</td>
<td></td>
</tr>
<tr>
<td>glass</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Supported by Corning® 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).

Contact us

corning.com/precision-glass-solutions
precisiongs@corning.com