

Fabrication Fact

What is a Seamed Edge & Why is it Important?

Flat glass that has a seamed edge or slightly beveled edge is that which has been lightly sanded to remove any sharp burrs for. This glass is safe to handle but is not intended for decorative use. A sanding belt is used to lightly sand off the sharp edges of the glass also referred to as a swiped edge or a chamfered edge.

Seamed edges are the most economical but not recommended if the edges will be exposed. Additionally ASTM C1036 standard specification for flat glass – edge chips are allowed on this form of edge work.

Edge Chips:

- **Chip depth** – measured from the face of the glass into the thickness. Allowed up to 50% of the glass thickness.
- **Chip width** – perpendicular distance from the edge of the glass to the inner edge of the chip. Allowed up to half the glass thickness or 1/4" whichever is greater for glass; for mirror, half of glass thickness or 1/16" whichever is greater.
- **Chip length** – distance parallel to edge of glass from one edge of a chip to the other. Allowed up to two (2) times the chip width.



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Glass Fabrication



Coating Deposition



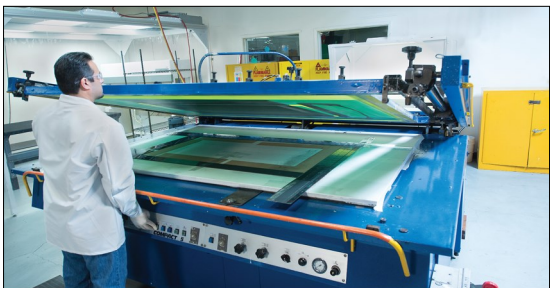
CNC Machining



Strengthening - Chemical & Heat



Screen Printing of Graphics



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Our US based, state-of-the-art ISO 9001:2015 and ITAR registered facilities include Abrisa Industrial Glass in Santa Paula, CA and ZC&R Coatings for Optics in Torrance CA. These two divisions produce solutions from cut-to-order coated glass components to custom complex and ready-to-install fabricated, strengthened, optically coated, electronically enabled and branded sub-assemblies.

Our Total Solutions serve a variety of markets including Micro-Electronics, Defense and Avionics, Display, Industrial Automation, Optical Sensors, Imaging, Photonics, Medical & Dental, Life Science and more.



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