CUSTOM GLASS FABRICATION

As one of the nations leading flat glass fabricators I.G.S. is dedicated to continuously upgrading our processes and equipment to remain at the forefront of emerging technologies.

I.G.S. offers clients custom production runs, prototype runs as well as full production. Our years of experience enable us to do quick turn production and small prototype runs with the same attention to quality while watching the bottom line. The I.G.S. staff works closely with your key engineering personnel to insure the continued excellence of the tried and true.

PRECISION MACHINING

I.G.S. offers computer assisted machining for high precision close tolerance requirements.

- SLICING
- GROUNDING
- BEVELING

SURFACE POLISHING

I.G.S. offers a wide array of precision flat polishing capabilities on a variety of materials.

- PYREX
- QUARTZ / FUSED SILICA
- BOROSILICATE
- OPTICAL GLASS
- COLOR FILTERS

CUTTING

With our state of the art precision scribing machine I.G.S. will fabricate per customer blueprint specifications.

- SQUARES
- RECTANGLES
- OVALS
- ODD SHAPES

CHEMICALLY STRENGTHENED GLASS

For glass applications where extremes of strength and flexibility are required, I.G.S. offers a chemical tempering process for glass size up to 16"x20".
QUALITY ASSURANCE

I.G.S. continuously upgrades the “Quality Assurance Department” utilizing state of the art equipment to achieve the high standard of excellence that is synonymous with the name I.G.S. Our extensive inspection facility consists of:

- Interferometer to inspect surface flatness
- High power microscopes for surface inspection
- Comparator for geometric precision
- Spectrophotometer for precise coating requirements

MATERIALS

I.G.S. fabricates flat and custom shaped glass from a large comprehensive inventory.

- Select float glass
- Crown glass
- Pyrex
- Quartz
- Fused silica
- Borosilicate
- Color filters

COATINGS

I.G.S. supplies precision optical coatings utilized in a wide range of product applications.

- Barcode readers & scanners
  - Enhanced front surface mirror
  - Dielectric coatings
  - Anti-reflection coatings

FPD/LCD DISPLAY

- ITO coatings
- Anti-reflection coatings
- Chemically strengthened glass

STAGE LIGHTING

- Front surface mirror
- Dichroic coatings
- Hot/cold mirrors
- Beamsplitters
"At I.G.S. Excellence is Not Just the Goal, It's Reality"

I.G.S. has been an industry leader in the Silicon Valley for over 25 years. We produce high quality optical products, utilizing cutting edge technology. At I.G.S. excellence is not just the goal, it's reality.

Below are some of the industries we serve:

- Barcode Scanner / Reader Industry
- Computer Industry
- Flat panel / LCD Industry
- Laser Industry
- Lighting Industry
- Medical Industry
- Microfiche / Copier Industry
- Scientific Industry
- Semiconductor Industry