

PRECISION ENGINEERED GLASS

CAPABILITIES

- Precision Bore Shrinking
- Glass and Quartz Components
- Glass Lathe Fabrication
- Precision Grinding & Polishing
- Precision Cutting and Special End Finishing
- Precision Glass Envelopes & Bulbs
- Custom Glass and Quartz Fabrication
- Glass to Metal Seal
- Square and Rectangular Tubing
- Quartz Torches and Furnace Tubes
- Optical Windows
- Redraw Tubing and Rods
- Product Design from Prototype to Kanban
- Special Coatings
- Chemical Strengthening

PRODUCT EXAMPLES



Precision Bore Tubing



Chlorinator Flowmeter



Syringe Barrel



Tube Envelope



Medical Application



Glass to Metal Seal



High Voltage Capacitor



Laser Body



Flow Cell and Cuvette



Microwave Cell

MATERIALS

Glass		Metals	Plastics	Ceramics	
• Type I Borosilicate • Pharmaceutical Grade Borosilicate • Kovar Sealing • BK7 • IR Glass • Lead Glass • Soda Lime Glass • Aluminosilicate Glass	• Robax® • Quartz • Suprasil® • Fused Silica • Macor® • Zerodur® • Aluminosilicate Glass • ULE	• Kovar • Nitinol Metal Matrix Composites • Stainless Steel • Molybdenum • Tool Steels • Tungsten • Tungsten Carbide • Other Metal Alloys	• PTFE • Polypropylene • Kel-F • PEEK • Nylon	• Alumina • Alumina Nitride • Alumina Silicate • Aluminum Nitride • Boron Carbide • Boron Nitride • Carbides • Cordierite • Mica based Materials • Mullite	• Nitrides • Sapphire • Shapal • Silicon • Silicon Nitride • Steatite • Titanium Diboride • YTZP Zirconia • Zirconia