



# **SP Wilmad-LabGlass**

Custom OEM Glass Manufacturing



## **Core Competencies**

- Precision Glass Forming
- Precision Grinding & Cutting
- Glass Blowing
- Glass Tooling & Forming
- Marking & Decoration

## **Product Expertise**

- Bioreactors
- Penetrometers
- Dissolution Vessels

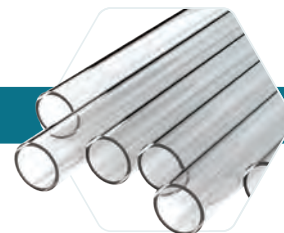
Whether you need a custom glass part for an instrument, precision glass tubing, or electronic components with glass-to-metal seals, successful glass manufacturing often comes down to the details. SP Wilmad-LabGlass leads the industry in glass engineering expertise and has been a trusted partner for OEM glass production for over 84 years.

- Precision Bore Tubing
- Flowmeter Tubes
- Syringe Barrels
- GC Liners
- Glass to Metal Seals
- Flow Cells & Cuvettes



## Precision Glass Forming

- Capillary, round, multi-bore, rectangular and square tubing
- I.D. tolerances of up to +/- 0.0002"
- Vertical and horizontal shrinking with precise control of any diameter tube up to 6"
- Ability to maintain rigorous length and perpendicularity tolerances



## Precision Grinding & Cutting

- Concentric and centerless grinding with O.D. precision of up to +/- 0.0002"
- Includes end finishing or cut and fire polish



## Glass Blowing

Our skilled glassblowers can shape almost anything, either freehand or on lathes

### LATHE FABRICATION

- Small bore precision forming to large apparatus
- Graded Sealing:
  - Glass to glass
  - Glass to quartz
  - Glass to metal

### LAMP WORKING

- Precision hand sealing of components

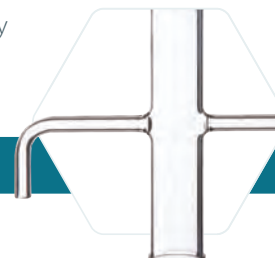
### GLASS REPAIR

- Rework large or bespoke assemblies efficiently



## Glass Tooling & Forming

- Production of full apparatus, joints and flanges from tubes and rods
- Vacuum silvering
- Forming glass-to-metal seals
  - Tungsten, stainless steel & platinum
- Ultra-high vacuum glass jacketing



## Marking & Decoration

- Graduated marking by etching and silk screening
  - Labware is calibrated in a temperature controlled environment and then permanently marked
- Decal application, including sequential barcoding



## Materials Available

- Borosilicate glass, Quartz, Suprasil\*, and other glass materials

## CONTACT

Contact Wilmad-Labglass at the outset of your design process. Our glass experts can assist with design and prototyping of glass parts from initial design to commercial launch. To start the conversation, contact [customglass@spindustries.com](mailto:customglass@spindustries.com).



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