

Custom Industrial Glass Drawing Specification Guide

Felix Glass

Brand Intro & Document ID

Felix Glass specializes in custom precision optical components for machine vision, laser systems, medical optics, spectroscopy and industrial imaging. OEM & ODM manufacturing services are available worldwide. Document No. : FG-CUSL-001 | Rev. 1.0 | Issue Date:2026

Mandatory Drawing Parameters

1. Glass substrate material grade (quartz / borosilicate / aluminosilicate)
2. Overall dimension, thickness tolerance, tube wall thickness (for quartz tubes)
3. Curvature radius (curved glass) or full 3D contour CAD data (3D glass)
4. Surface functional coating requirement: AR, AG, AF, anti-glare
5. Edge processing: chamfer, hole, notch, silk-screen printing area
6. Tempering requirement, optical flatness & transmittance standard

Compatible Drawing File Formats

- PDF
- DWG
- DXF
- STEP
- IGES
- 3D STL (for 3D glass)

Standard Template Outlines

Straight quartz tube, square quartz plate, flat custom panel, single arc curved glass, complex contour 3D glass

Production Reminder

We provide free 3D forming simulation for curved & 3D glass to avoid optical distortion after hot bending; custom mold development available for exclusive customer shape designs.

The information contained in this document is provided for reference only. Final specifications are subject to mutually approved engineering drawings, production capability review, and customer project requirements.

Hong Kong Felix Glass Co., Limited Custom Optical Components Manufacturer www.felixglass.com | sales@felixglass.com