

Custom Glass Panel Application Manual

Document No. : FG-CGP-001 | Rev. 1.0 | 2026 Manufacturer: Hong Kong Felix Glass Co., Limited

Primary Core Application Cases

1. **Semiconductor Thermal Processing Equipment** Fused silica custom glass panels serve as high-temperature stable isolation viewports inside wafer diffusion chambers and thermal treatment production lines, resisting high heat and corrosive process atmospheres.
2. **Industrial UV Optical Curing Systems** UV transparent custom fused silica substrates are integrated into UV curing printers, ozone disinfection machinery and laboratory photochemical reactors to maintain consistent ultraviolet light transmission.

Secondary Application Scenarios

- **Automated machine vision systems:** Precision protective optical windows for industrial visual inspection equipment
- **Laboratory scientific instrumentation:** Optical substrates for spectroscopy and high-temperature chemical reaction vessels
- **Industrial human-machine terminals:** Tempered custom glass panels as touch display anti-scratch protective covers
- **Thermal processing furnaces:** Borosilicate observation panels for heat isolation and real-time process viewing

Covered High-Value Industrial Fields

Semiconductor manufacturing equipment, UV photochemical processing industry, laboratory spectroscopic instrumentation, machine vision optical inspection windows, industrial touch display protection, high-temperature furnace viewing panels, optical sensor protective substrates

Service Overview

Hong Kong Felix Glass Co., Limited provides fully bespoke custom glass panels with flexible material, dimensional and surface finishing customization options. Production scheduling and lead times are confirmed according to order quantity, panel size complexity and customer project requirements. Complete batch inspection records and technical documentation support are offered to global industrial procurement engineers.

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.

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