

Custom Special Optical Lenses Industry Application Manual

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

Real Custom Application Cases

Case 1 Semiconductor Wafer Inspection: Ultra-precision achromatic custom lens group for high-resolution wafer defect detection equipment

Case 2 Medical Minimally Invasive Surgery: Miniature low-distortion custom lens assemblies for endoscope diagnostic instruments

Case 3 Aerospace Airborne Optics: Low-birefringence fused silica custom lenses for aerial remote sensing & target tracking systems

Case 4 Laser Scanning & Printing: Cylindrical custom lenses for uniform linear laser beam shaping

Case 5 Laboratory Spectroscopy Instruments: Multi-element custom lens groups for multi-wavelength light splitting and optical measurement

Main Applicable High-Value Industries

- Semiconductor Wafer Inspection & Microelectronics Testing
- Medical Imaging, Endoscope & Surgical Laser Devices
- Aerospace Airborne Optical Surveillance Systems
- Laboratory Optical Spectroscopy & Scientific Research
- Industrial Laser Scanning, Printing & Light Sheet Detection
- Automotive Precision Optical Sensing Equipment
- Infrared Thermal Imaging & Night Vision Devices

Service Summary

Hong Kong Felix Glass Co., Limited provides one-stop custom optical lens solution including optical design, prototype trial and mass production, with professional engineer technical support for global high-end optical equipment manufacturers.

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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