

Spherical 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-SPL-001
| Rev.1.0 | Issue Date:2026

Practical Application Cases

Case1 Machine Vision Inspection: Plano convex spherical lenses for barcode scanning, surface defect detection cameras
Case2 Laser Processing Equipment: Fused silica spherical collimating lenses for fiber laser marking & cutting
Case3 Medical Diagnostic Instruments: Low-distortion BK7 spherical lenses for ophthalmic and endoscope auxiliary optics
Case4 Laboratory Spectroscopy: Biconvex spherical lenses for light focusing in spectral analysis equipment
Case5 Thermal Imaging: ZnSe meniscus spherical lenses for mid-infrared infrared detection systems

Covered Application Industries

- Industrial Machine Vision Automation
- Fiber / UV / CO2 Laser Processing Equipment
- Medical Imaging & Diagnostic Optics
- Laboratory Optical Spectroscopy
- Aerospace Visible & IR Optical Systems
- Semiconductor Wafer Inspection
- Surveillance & Optical Sensing Devices

Service Summary

Hong Kong Felix Glass Co., Limited supplies all types of custom spherical lenses with matched anti-reflection coatings, flexible OEM & ODM manufacturing to meet diverse optical system requirements for global clients.

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