

Optical Filters Industry Application Case 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

Practical Application Cases

Case1 Industrial Machine Vision: Narrow bandpass filters to eliminate ambient light interference for product defect inspection cameras

Case2 Biomedical Fluorescence Detection: Custom bandpass filters for microscopic immunoassay and cell analysis equipment

Case3 Consumer & Surveillance Cameras: IR cut filters to remove infrared red distortion for visible imaging

Case4 Laser Processing Equipment: ND & notch filters for laser power attenuation and stray light blocking

Case5 Laboratory Spectroscopy: Longpass / shortpass filters for multi-waveband light splitting and optical measurement

High-value Applicable Industries

- Industrial Machine Vision & Automated Inspection Equipment
- Medical Microscopy, Fluorescence Diagnostic Instruments
- Security Surveillance, Automotive ADAS Imaging Cameras
- Fiber, UV & CO₂ Laser Processing Systems
- Laboratory Optical Spectroscopy & Scientific Research Instruments
- Aerospace Remote Sensing & Target Tracking Optical Systems
- Biochemical Testing & In Vitro Diagnostic Devices

Service Summary

Hong Kong Felix Glass Co., Limited provides one-stop custom optical filter coating solutions, supporting arbitrary wavelength spectrum customization and professional spectral simulation technical support for global optical instrument 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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