OPTICS

Spherical Lenses
- Type: Convex, Concave
- Material: BK_7, Fused Silica, ZnSe
- Size: 6mm-100mm
- Focal Length: 10mm-1000mm
- Dimension Tolerance: -0.1mm
- Surface Figure: $\lambda/4$ @632nm
- Surface Quality: 60/40
- AR Coating: Broadband, 98% Transmission
- Diameter, focal length and coatings for these lenses can be customised on demand

Achromatic Lenses
- Material: BK_7, Fused Silica
- Size: 6mm-50mm
- Focal Length: 10mm-500mm
- Dimension Tolerance: -0.1mm
- Surface Figure: $\lambda/4$ @632nm
- Surface Quality: 60/40
- AR Coating: Broadband, 98% Transmission
- Diameter, focal length and coatings for these lenses can be customised on demand
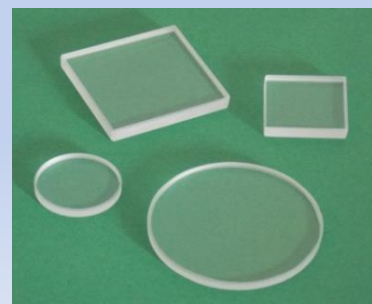
Cylindrical Lenses
- Material: BK_7, Fused Silica
- Size: 25mm-50mm
- Focal Length: 50mm-500mm
- Dimension Tolerance: -0.1mm
- Surface Figure: $\lambda/4$ @632nm
- Surface Quality: 60/40
- AR Coating: Broadband, 98% Transmission
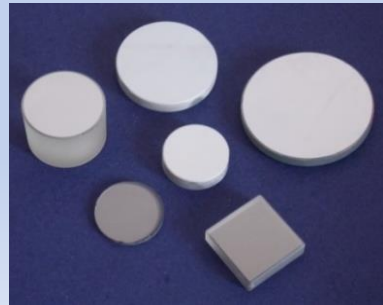- Diameter, focal length and coatings for these lenses can be customised on demand

Optical Windows
- Material: BK_7, Fused Silica, CaF_2, Sapphire
- Shape: Circular, Square, Rectangular
- Size: 5mm-50mm
- Clear Aperture: ≥85%
- Dimension Tolerance: - 0.1mm
- Thickness Tolerance: ±0.1mm
- Surface Flatness: $\lambda/4$ per 25mm @632nm
- Surface Quality: 60/40
- AR Coating: BB (450nm-750nm)
- Customized size, material and coating available on demand

Flat Mirrors
- Material: BK_7, Fused Silica, Al
- Shape: Circular, Square, Rectangular
- Size: 12.5mm-50mm
- Dimension Tolerance: - 0.1mm
- Thickness Tolerance: ±0.1mm
- Surface Flatness: λ/4 per 25mm @632nm
- Surface Quality: 60/40
- Coating: Metal (Al, Silver), Dielectric
- Customized size, flatness and coating, available on demand

Prisms
- Type: Right Angle, Equilateral, Penta, Dove, Cube Corner, Anamorphic
- Material: BK_7, Fused Silica
- Size: 5mm-50mm
- Dimension Tolerance: ±0.1mm
- Surface Flatness: λ/4 per 25mm @632nm
- Surface Quality: 60/40
- AR Coating: BB (450nm-750nm)
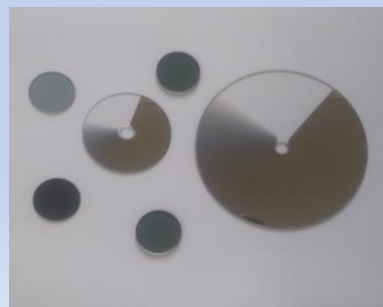- Customized size and coating, available on demand

Interference Filters
- Type: Low Pass, High Pass, Band Pass
- Centre Wave length: 450nm, 532nm, 633nm, 808nm, 1064nm and 1550nm
- FWHM: 10nm, 20 nm.
- Material: BK_7
- Size: 12.5mm-25mm
- Clear Aperture: ≥85%
- Dimension Tolerance: - 0.1mm
- Surface Flatness: λ/4 per 25mm @632nm
- Surface Quality: 60/40
- Parallelism: 30 arc-sec
- Customized centre wavelength and FWHM for Band pass filters, available on demand

Neutral Density Filters
- Type: Fixed, Variable Attenuation
- Material: BK_7
- Size (Fixed Attenuation): 12.5mm-50mm
- Size (Variable Attenuation): 25mm-100mm
- Clear Aperture: ≥85%
- Dimension Tolerance: - 0.1mm
- Optical Density: 1-4
- Surface Flatness: λ/4 per 25mm @632nm
- Parallelism: 30 arc-sec
- Customized Attenuation (OD), available on demand

Cube Beam Splitters
- Type: Non-polarizing / Polarizing
- Material: BK_7, Fused Silica
- Size: 5mm-50mm
- Split Ratio: 50:50 ±5%
- Surface Flatness: λ/4 per 25 mm @632nm
- Surface Quality: 60/40
- Parallelism: 30 arc-sec
- Coating (Hypotenuse): Silver, Dielectric
- AR Coating : Broadband, on all four surfaces. Top and bottom surface grounded
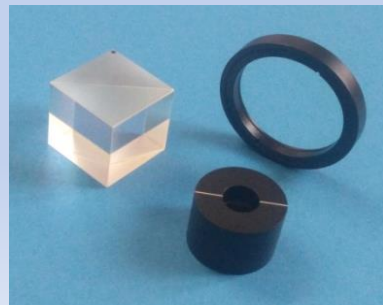- Customized size & split ratio, available on demand

Plate Beam Splitters
- Material: BK_7, Fused Silica
- Size: 25mm-50mm
- Split Ratio: 50:50 or 30:70
- Split Ratio Tolerance: ±5%
- Surface Flatness: λ/4 per 25 mm @632nm
- Surface Quality: 60/40
- Parallelism: 30 arc-sec
- Coating: Silver, Dielectric
- AR Coating: BB on both front and back surfaces
- Customized size of plate BS and their split ratio, available on demand

Polarisers
- Size: 12.5mm, 25mm
- Wavelength Range: 450nm-750nm
- Polarisation: Linear
- Extinction Ratio: 500:1
- Polarisation Efficiency: 98%
- Polarizer Sheet Thickness: 0.2mm
- Sandwiching Material: BK_7
- Customized size, available on demand

Retardation Wave Plates
- Type: Quarter Wave / Half Wave
- Material: Quartz
- Size: 12.5mm, 25mm
- Dimension Tolerance: - 0.1mm
- Surface Flatness: λ/4 per 25mm @632nm
- Surface Quality: 60/40
- Beam Deviation: 10 arc-sec
- Coating: AR Coating on both sides
- Customized size and split ratio, available on demand