



CRESCENT COMPONENTS AND SYSTEMS

OPTO-MECHANICAL COMPONENTS

Translation Stages

- Type: Manual
- Movements: X, Z, XY, XYZ
- Platform Size : 35 mm, 50mm, 65mm
- Maximum Traverse: 13mm, 25mm
- Main Material: Aluminium
- Customized platform size, traverse and tabbed holes, available on demand



Kinematic Mirror Mounts

- Type: Manual
- Material: Black anodized Aluminium
- Mirror Position: Centre, Off-centre, Top Corner
- Size: 25mm-50mm
- Dimension Tolerance: ± 0.1 mm
- Tilt Adjustment: $\pm 5^\circ$
- Material: Black Anodized Al



Beam Expanders

- Design: Galilean, Keplerian
- Magnification: 2X, 5X, 10X
- Input Aperture: 1 mm - 4 mm
- Output Aperture: 25 mm - 100 mm
- Material: Black anodized Aluminium
- Mounting: M6 Threaded hole, C Mount



Spatial Filter Assemblies

- Type: Fixed Pin Hole
- Material: Black Anodized Al
- Mounting Slots: M6
- Microscope Objective: 10X, 20X, 40X
- Pin Hole Size: 25 μ m, 15 μ m, 10 μ m
- Pin Hole Mount: 22 mm (Dia)



Microscope Objectives

- Magnification: 5X, 10X, 20X, 40X
- Numerical Aperture: 0.1, 0.25, 0.4, 0.65
- Effective Focal Length: 25.4mm, 16.5mm, 9mm, 4.5mm
- Wavelength Range: 400nm-700nm
- Working Distance: 13mm, 5.5mm, 1.7mm, 0.6mm



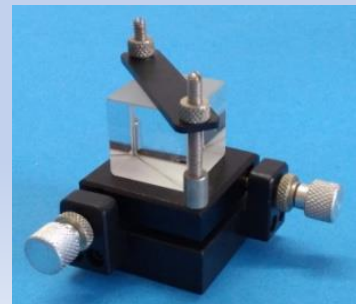
Pin Holes

- Type: Mounted, Un-mounted
- Pin Hole Size: 25 μm , 15 μm , 10 μm
- Disc size: 10mm
- Mount size: 22mm, 20mm x 18mm
- Material of Mount: Aluminium, MS
- Size of pin hole and its mount can be customised, on demand



Cube Prism Mounts

- Prism (BS) Size: 25mm, 50 mm
 - Platform Size: 40mm, 65mm
 - Dimension Tolerance: $\pm 0.1\text{mm}$
 - Tilt Adjustment: $\pm 3^\circ$
- Tilt screws Location: Bottom, Sideways
- Material: Black Anodized Al



Polarizer Mount

- Polarizer Dia: 12.5mm, 25mm, 50mm
- Movement: Rotation
- Rotation Angle: 0-360 $^\circ$
- Rotation Resolution: 2 $^\circ$
- Material: Black Anodized Al
- Mounting Hole: M6



Gimble Mirror Mounts

- Mirror Diameter: 100mm-250mm
- Mirror Thickness: 10mm-25mm
- Angular Tilt: $\pm 5^\circ$
- Tilt Resolution: 0.1°
- Mount Material: Black Anodized Al
- Mounting slots: M6
- Tilt plate can be customized to accommodate any mirror size between 100mm-250mm



Mounting Posts and Post Holders

- Post Length: 30mm-150mm
- Post material: SS, Al
- Threads: M6, M4
- Post Holder Length: 30mm-100mm
- Post holder material: Black anodized Al
- Length and diameter of mounting posts and post holders can be customized



Mounting Base Plates

- Base Plate length: 75mm
- Base Plate Width: 25mm, 37.5mm, 50mm
- Base Plate Thickness: 10mm
- Material: Black Anodized Al
- Type of slots: Straight
- Mounting Threads: M6
- Dimensions of base plates and slots can be customised, on demand



Iris Diaphragm

- Aperture Type: Variable (Iris)
- Min. Aperture Diameter: 0.8mm, 1.2mm
- Max. Aperture Diameter: 12mm, 22mm
- Material: Black Anodized Aluminium
- Mounting: M6 Threaded Hole

