



## **MOS Company Profile**

Millennium Optical System (MOS) is a manufacturer specializing in optical parts and produces prisms, lenses, and filters used in many industrial fields such as telecommunications, electronic engineering, and optical development research institutes., core parts for precision measuring instruments, and precision optical parts related to major industries, such as semiconductor-related equipment, and in particular, MOS has its own know-how and technology in the field of ultra-precision polishing. All products of MOS are made in-house. The minimum diameter size is 1.0mm and the maximum size is 500.0mm. Diameter tolerance is available up to 0.005mm and prism size is available from RAP 0.5mm to 300mm. The Angle tolerance of the prism is possible up to 1 arcsec.

## **Optics capabilities**

Diameter: 1.0mm~500mm

Diameter tolerance: 0.005mm (Tolerance may vary depending on product size)

Prism Size: RAP 0.5mm~300mm

Prism Angle tolerance: < 1 arcsec.

Surface quality: 10-5(S-D)

Surface flatness:  $\lambda/20$  Fringe (Flatness may vary depending on product shape)

Parallelism: <0.5 arcsec.

## **Products**

Product materials: All types of glass, CaF<sub>2</sub>, MgF<sub>2</sub>, ZnSe, ZnS, Silicon, Ge, Sapphire, Cal and etc.

Lenses: Spherical Lens, Meniscus lens, cylindrical lens, 2.0mm Cyl/spherical pickup lens

Windows: Plane window, Parallel windows, Interferometer flat, Large wedge window, Brewster window

Mirrors: Laser mirror, Broadband mirror, Metal mirror, Multi wavelength mirror, Phase retarding mirror, Output coupler

Prisms: Right angle prism, Dove prism, Penta prism, Roof Penta prism, Porro prism, Corner Cube, Rhomboid prism, Pecan Prism, Littrow Prism, Pelin Broca Prism

Beamsplitters/ Polarizers: Plate beamsplitter, Non-polarizing plate beamsplitter, Non-polarizing cube beamsplitter, Broadband cube beamsplitter, Thin film plate polarizer, Polarizing cube beamsplitter,

Coating: Anti-Reflection coating (Single layer, Narrowband, Broadband, Multi wavelength), High-Reflection coating (Broadband, multi wavelength), Bare Aluminum, Protected Aluminum, Enhanced aluminum, Protected silver, enhanced silver, Bare and protected Gold, Phase Retarding mirror, Partial reflection, Beamplitter, Non-Polarizing, Polarizing, Long wave pass, Short wave pass.