
















Lens Mount Selection Guide

Newport offers a full range of [Lens Mounts](#) to meet various experimental requirements. Fixed Lens Mounts offer a convenient, economical system for mounting lenses and beamsplitters. Adjustable, variable and self centering lens mounts can support a variety of lens sizes in the same lens mount. Lens positioners allow for precision adjustment of the lens position. Lens tubes enable stable and rigid assemblies of several optical components. Rotatable optic mounts are also available for polarizers or lenses.

Selecting a Lens Mount

Fixed Lens Mounts		Special Features
	Fixed Lens Mounts	<ul style="list-style-type: none"> • Simple and convenient fixed lens mounting • Popular 0.25 to 2.0 in. diameter or microscope objective • Standard optical axis heights • Face plate mounting holes for OEM applications • English and metric threads for post mounting
	Fixed Position Lens Holders	<ul style="list-style-type: none"> • Multiple sizes with both set-screw and ring-insert holding mechanisms • Holds 0.5, 1 or 2 in. diameter lenses or RMS-threaded microscope objectives • Included insert clicks into place for easy mounting and swapping of lenses
	Fixed Position Mounts	<ul style="list-style-type: none"> • Mount 0.5 and 0.75 in. diameter lenses and mirrors • Mount microscope objective lenses • Mount iris diaphragms
	Cylindrical Lens Holders	<ul style="list-style-type: none"> • Allows rotational adjustment of cylindrical lenses • Fast and repeatable lens replacement • Compatible with English and metric components
Adjustable Lens Mounts		Special Features
	Variable Lens Holders	<ul style="list-style-type: none"> • Kinematic V-groove lens registration • Adjustable height with thumbscrew • Holds optics from 0.25–3.6 in. (6.3–91.4 mm) in diameter • Holds thin lenses or cylindrical-shaped lens barrels
	Universal Fixed and Adjustable Lens Mounts	<ul style="list-style-type: none"> • Rigid, individually adjustable support arms • AC Series features interchangeable, non-rotating V-grooved tips • ALM Series accommodates a variety of components including cylindrical lasers • Provides fine centering adjustability and safe, positive optic loading without risk of damage
	Self-Centering Lens Mounts	<ul style="list-style-type: none"> • Non-marring, V-grooved optic supports • Fast and repeatable lens replacement • Maintains optical axis while holding various diameter lenses • LCM-2 also accommodates standard 52 mm diameter threaded camera filters, polarizers and accessories
	Adjustable Cylindrical Lens Mount	<ul style="list-style-type: none"> • Rotates cylindrical lens about its center • $\pm 5^\circ$ rotation range • 6 arc-sec sensitivity • Adaptors for many cylindrical lens sizes

Lens Positioners		Special Features
	Compact Lens Positioners	<ul style="list-style-type: none"> • Positions 1.0 in. (25.4) optical elements • Precision positioning using 100 TPI adjustment screws • Compact size is ideal for limited-space applications • English/metric compatibility
	Precision Multi-Axis Lens Positioners	<ul style="list-style-type: none"> • 2, 3 or 5 axes of precision positioning for lenses and objectives • High-resolution, 100 TPI XYθXθY adjustment screws, 80 TPI Z-adjustment • Zero-freeplay XY mechanism
	Compact XYZ Lens Positioner	<ul style="list-style-type: none"> • 3-axis positioning capability • 1/4 inch range of motion for X, Y, and Z directions • Convenient adapters for 1/2" optics, FC fiber, aspheric lenses, and filters
	Precision XY Objective Positioners	<ul style="list-style-type: none"> • Holds B Series Lens Barrels • Ideal for pinhole positioning in spatial filters • Standard differential or locking drives • Compatible with X26 rail system
Specialty Lens Mounts		Special Features
		<ul style="list-style-type: none"> • Ideal for creating multi-element lens systems • Sizes for 1/2-, 1- and 2-in. diameter lenses • Compatible with Newport optics and mounts • Offering includes post mounting adaptors
	Snap-in Rotatable Optic Mounts	<ul style="list-style-type: none"> • Quick change, spring-loaded mount • Mounted optics are protected from scratches and fingerprints • Graduated dial for rotation of polarizers • Slender profile is ideal for beamsplitters • Post and pedestal mountable
	Lens Focusing Mount	<ul style="list-style-type: none"> • Improved sensitivity by using the 80-TPI internal mechanism • Smooth precise lens focusing, 0.2 in. (5 mm) of travel • Non-rotating, lockable axial positioning • Threaded aperture for optics up to 1.38 in. (35 mm)