









SPECIALTY OPTICAL MOUNT SELECTION GUIDE

Selecting a Specialty Optical Mount

Newport offers a full range of Specialty Optical Mounts to meet various experimental requirements. Click [Specialty Optical Mounts](#) to shop or browse all of our standard models, or select a product family below to learn more about our products and capabilities.

Prism and Beamsplitter Mounts		Special Features
 <p>Quad-Path Prism Mounts</p>	<ul style="list-style-type: none"> • Full range of motion in all three axes available simultaneously • Press-fit holder means no need for sticky tape • Intuitive and affordable 	
 <p>Gimbaled Three-Axis Optic Tilt Mount</p>	<ul style="list-style-type: none"> • 3-Axis of Tilt with True Gimbal Positioning • 0.5 in. (12.7 mm) Center of Rotation Height • Lockable 100 TPI Adjustment Screws • U.S. Patents 6,198,580 and 6,614,601 	
 <p>Three-Axis High-Resolution Prism Tilt Mount</p>	<ul style="list-style-type: none"> • Orthogonal, coplanar angular adjustment • Uncoupled tilt adjustments with sensitivity to 1 arc sec • Standard or lockable adjustment screws or differential micrometer 	
 <p>Cube Beamsplitter Holders</p>	<ul style="list-style-type: none"> • Modular, beamsplitter mounts • Post-mountable; compatible with 1 in. and 2 in. rotary stages • Integrates beamsplitter and standard optics into a single, compact unit 	
Rotation Mounts		Special Features
 <p>Optic Rotation Mounts</p>	<ul style="list-style-type: none"> • Precisely rotate 1/2-, 1-, and 2-inch diameter polarizers Or wave plates • Adaptors for cube polarizers • Versions for extra thick polarizers or with slim profile • English/Metric threaded 	
 <p>Tip/Tilt Polarizer Rotation Mount</p>	<ul style="list-style-type: none"> • 3-Axis of Tilt with True Gimbal Positioning • 0.5 in. (12.7 mm) Center of Rotation Height • Lockable 100 TPI Adjustment Screws • U.S. Patents 6,198,580 and 6,614,601 	
 <p>Rotary Mounts, 1.0 inch</p>	<ul style="list-style-type: none"> • Rotates infinitely in either direction • Lockable • Removable adjustment arm 	
Beam Steering/Routing Mounts		Special Features
 <p>Periscope Beam Steerers</p>	<ul style="list-style-type: none"> • Precise beam direction and height control • Two mirror mounts with precision tip/tilt and rotation • Fine angular adjustment with 5 arc sec sensitivity • High-stability 1 in. (25.4 mm) diameter stainless steel post 	

	Large Diameter Periscope Mounts	<ul style="list-style-type: none"> • Stable, rigid design • Pre-loaded ball bearings for smooth, wobble-free motion • High-resolution adjustment screws • Smooth, chatter-free vertical height adjustment
	Aegis Qube™ Enclosed Beam Routing System	<ul style="list-style-type: none"> • Encloses and routes optical beams • Promotes laser eye safety • Modular and versatile design • Compatible with existing Newport optics mounts • Easy to assemble and align
Flipper Mounts		Special Features
	Flipper™ Optic Mounts	<ul style="list-style-type: none"> • Easily flip optics into and out of your beam path • Kinematic design gives you 200-μrad repeatability • Lockable
	Kin-a-Flip Base	<ul style="list-style-type: none"> • Flip optical mounts in-and-out of beam paths • Highly repeatable to <100μrad • Compact, stainless steel construction • No magnets used
Other Specialty Optic Mounts		Special Features
	Four-Axis Diffraction Grating Mount	<ul style="list-style-type: none"> • Hold various sized gratings, square or rectangular 12.5 mm, 25 mm, or 50 mm • 4 axes of precision adjustment • Yaw and roll adjustments made about center point on grating surface • 10 arc sec of angular sensitivity
	Opti-Claw™ Self-Centering Optic Mounts	<ul style="list-style-type: none"> • Ideal for swapping and re-centering optics quickly • Great for holding lenses or beamsplitters • Locking screw offers the secure hold of a fixed-diameter mount
	Pockels Cell Positioner	<ul style="list-style-type: none"> • Compact/Robust Design • Enclosed Electrical Compartment • Kinematic Locating Points • 80 TPI adjustments • ±2.5° Tip and Tilt
	V-Blocks	<ul style="list-style-type: none"> • Cost effective mounting of cylindrical devices • Mounts directly to tip/tilt or translation stages • Holds objects from 0.24-3.0 in. (6.0-76.2 mm)
	Camera Lens Mount	<ul style="list-style-type: none"> • Mounts Nikon camera lenses into optical setups • English and metric mounting holes
	Rod Mount for Fiber Bundles	<ul style="list-style-type: none"> • Inexpensive Rod Mount • Coarse Z adjustment