ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Find the *Newport HVM-.5* at our website: ***Click HERE***

NEW Top Adjust Lab Mounts

Top Adjustment mirror mounts are designed for use in compact spaces. They give you easy access to both pitch and yaw adjustments from above without worrying about interfering with the beam.

- Allows adjustment without blocking optical beam
- Reduces risk of laser-related injuries
- Ideal for use in laser cavities
- Slimmer profiles for mounting in tight spaces

See All Features



Compare	Model	Availability	Price
	HVM-.5 Kinematic Mirror Mount, Vertical Drive, 0.5 in., 2 Allen-Keys	In Stock	$138
	HVM-1 Kinematic Mirror Mount, Vertical Drive, 1.0 in., 2 Knob Adj.	In Stock	$153

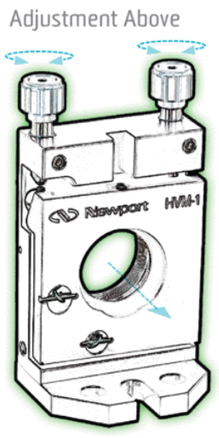
Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Features

Keep Your Hands Out of Harms Way

Top adjust mounts have their adjustment screws located above where the optic is held so that your hands never have to enter the beam area.





Locking Actuators

For long-term stability, Top Adjust Lab Mounts feature set screw locks which exert a radial force against the screw to prevent rotation and to lock the mirror mount's alignment in place.

Removable Base Plate

The base plate on both the HVM-1 and HVM-.5 can be removed to allow post mounting. Post mounting is preferred for higher beam paths. Removing the base from the HVM-1 reveals three 8-32 threaded holes with 0.5-in. spacing. Under the base of the HVM-.5, shown in the photo, are two threaded holes: an 8-32 and an M4.





Compact Geometry

Top adjust mirror mounts normally feature a slimmer profile and smaller footprint than traditional mounts. As such, they can often fit more easily into tight or restricted spaces when traditional mounts may not. Top adjust mirror mounts are ideal for use in laser cavities and OEM applications.

Horizontal Mounting

The HVM-1 has a rear-accessible 1.063-20 threaded hole in the frame to allow it to be mounted horizontally. By using the RSA-1TI adaptor and the A-1.25-1RR retaining ring(used as a jam nut), the HVM-1 can be mounted horizontally.



Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

©2019 Newport Corporation. All rights reserved.

Support: (877)835-9620

Terms Privacy California Transparency Act

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Kinematic Mirror Mount, Vertical Drive, 0.5 in., 2 Allen-Keys



Overview

The HVM-.5 Vertical Drive Kinematic Optical Mount is unlike any optical mount in its class. It's very stable and easy to adjust. The HVM's unique ball-and-wedge drive mechanism enhances the overall performance of the 1/2 inch (12.7mm) diameter optical mount by reducing stiction and backlash to negligible levels while maintaining a compact and robust package. This unique drive mechanism also allows substantial angular tilt without adjustment screws protruding from the back of the mount. At a scant 0.68 inch thickness the HVM can be placed in optical systems requiring minimum footprint. Newport's in-line spring mechanism provides targeted tension at appropriate points to ensure the HVM is stable both short-term and long-term. The high resolution adjustment screws have a locking mechanism to prevent inadvertent adjustment. This same mechanism provides the ability to customize the feel/tension of each adjustment.

Technical Specs

Mechanism	Kinematic	**Material**	Anodized Aluminum
Optic Diameter	12.7 mm	**Drive Type**	Allen-Key, locking
Adjustment Screw Thread	100 TPI	**Thread Type**	1/4-20 (M6) SLOT
Adjustments	θx, θy	**Optical Axis Height**	25.4 mm
Sensitivity	5.8 arc sec	**Special Features**	Table Mounting
Angular Range	±2.5°		

Related Products

Similar

Compare	Description	Drawings, CAD & Specs	Avail.	Price
	**HVM-05r** Mirror Mount, Industrial, Vertical Drive, Rear Load, 0.5 in., 2 Locking Allen-Keys		In Stock	$161
	**HVM-1i** Mirror Mount, Industrial, Vertical Drive, 1 in., 2 Locking Allen-Keys		In Stock	$154
	**9775-K** Kinematic Mirror Mount, Pint-Sized, 0.5 in., 2 Allen-Key Top Adjust		In Stock	$150
	**9810-5-K** Mirror Mount, Stability, Top Adjust, 0.5 in., Thick, 2 Allen-Keys		In Stock	$357

Accessories

Compare	Description	Drawings, CAD & Specs	Avail.	Price
	PX-2 Optical Post, Slotted Base, 2.0 in. Height, 1.0 in. Diameter, 8-32		In Stock	$28
	**VPH-2** Optical Post Holder, No Slip, 2.0 in. Height, 0.5 in. Posts, 1/4-20		In Stock	$15
	**BPH-2** Optical Post Holder, M6 Slotted-Base, 2.0 in. Height, 0.5 in. Posts		In Stock	$10.50

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP