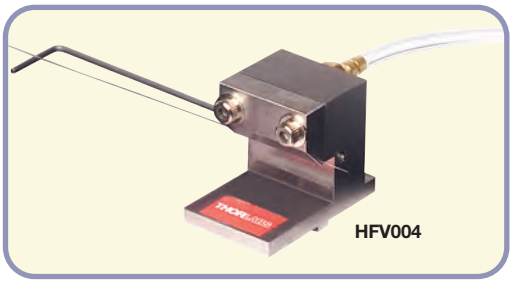
Vacuum Fiber Holder

NanoMax™ 3-Axis Stage (MAX302) fitted with DRV002 Micrometer Drives (see Page 528), HFV004 Vacuum Fiber Holder, AMA009 Fixed Angle Bracket (see page 497), and HBB001 Blank Mounting Block (see page 507).

Mechanical Drawings Available on the WEB



The unique geometry of this fiber holder provides clearance around the side of the mount in order to allow the use of an optical inspection tool (video or conventional microscope) to monitor the alignment process. The vacuum holding force is exerted on the fiber jacket along the 20 mm length of the holder, thus ensuring that the fiber is well secured.

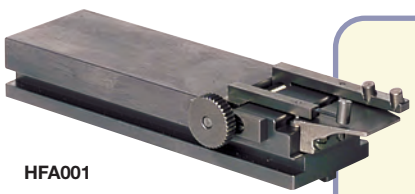
The main advantage of using a vacuum to secure the fiber is that it reduces the cycle time for the automated assembly of fiber pigtailing devices. The load/unload time is typically reduced because the vacuum action quickly and consistently pulls the fiber into place. In addition, the clamping and unclamping of the fiber can be automated. All of these factors lead to this device being an attractive alternative for manufacturing applications.

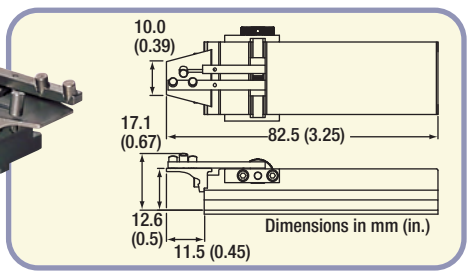
- Simple and Fast Vacuum Loading of Optical Fibers
- Inverted Design Provides Extra Clearance for Inspection Tools
- Ideal for Industrial Applications where Cycle Time is Critical
- Requires a Customer-Supplied Vacuum

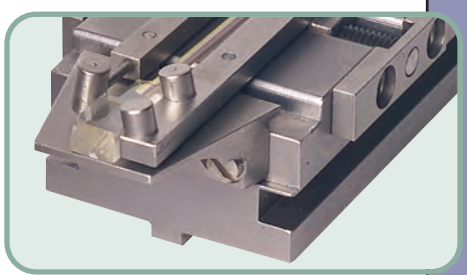
ITEM#	$	£	€	RMB	DESCRIPTION
HFV004*	$ 379.00	£ 262.80	€ 336,50	¥ 3,200.30	Inverted Vacuum Fiber Holder with Side Access

*Universal Design, Imperial and Metric Compatible

Adjustable Fiber Array Holder



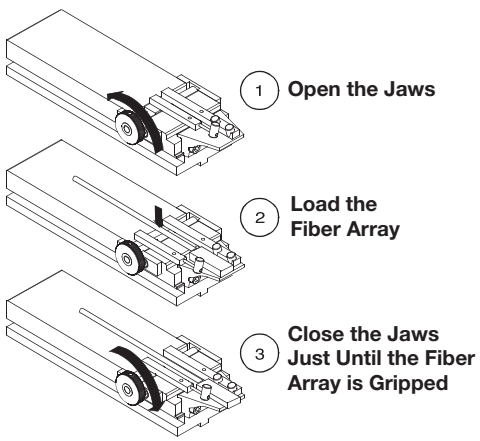




Please refer to our website for complete models and drawings.

- Accepts Rectangular Fiber Arrays up to 12 mm Wide
- Easy Loading with a Actuator Knob Controlling the Clamping Mechanism
- Angled Contact Pads Ensure that the Optical Element Sits Flat on the Support Surface
- Generally Useful for Mounting Rectangular Shaped Optics

The HFA001 fiber array holder is part of our extensive line of accessories that serve to enhance our multi-axis flexure stages. As can be seen from the drawing to the right, the operation of this device is achieved via a single actuator knob. This knob simultaneously moves both sides of the clamping mechanism to ensure that the device being mounted is centered on the support surface of the HFA001. The three angled clamping rods make contact and provide a slight downward pressure on the optical element; the three points of contact guarantee stability. The third clamping rod is mounted at the end of a flexure arm that provides for some spring loading of the element being clamped.



ITEM#	$	£	€	RMB	DESCRIPTION
HFA001*	$ 340.00	£ 235.70	€ 301,90	¥ 2,871.00	Adjustable Fiber Array Holder

*Universal Design, Imperial and Metric Compatible