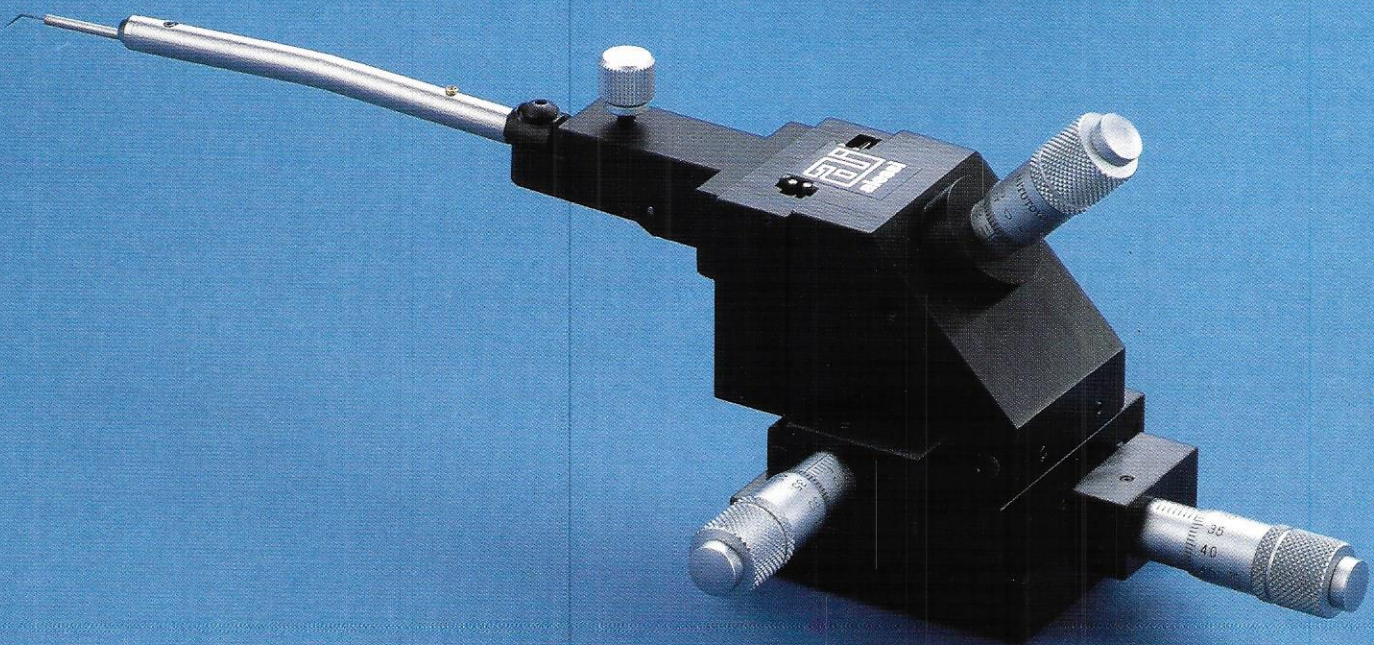
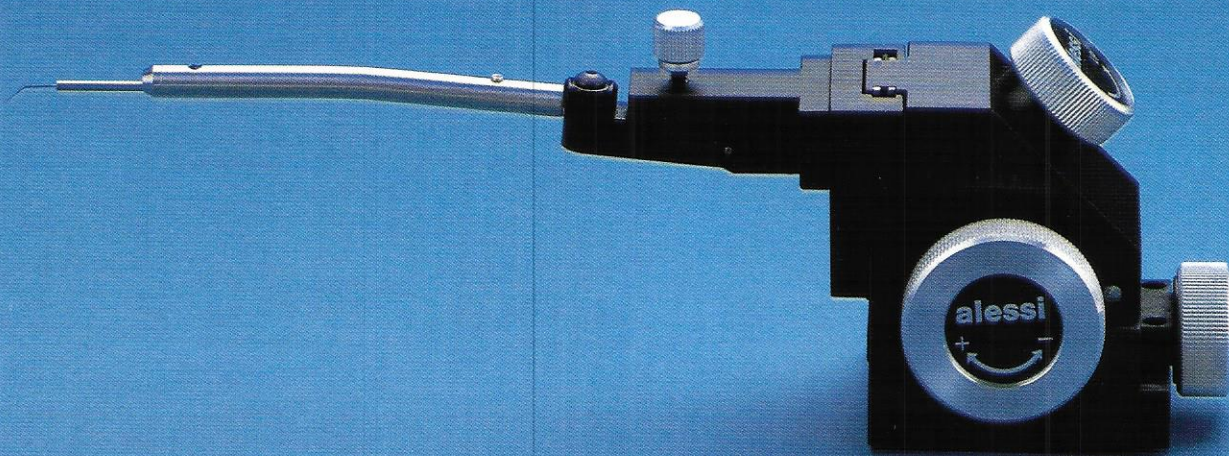


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## MH Series

### High Resolution Micropositioners





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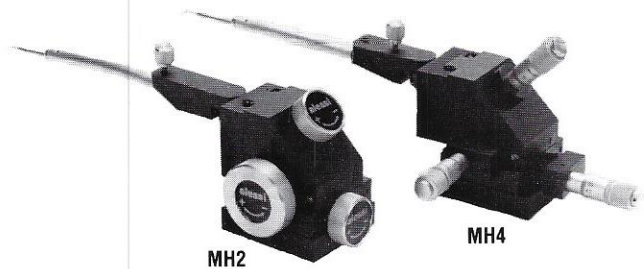
## MH Series

### HIGH RESOLUTION MICROPOSITIONERS

Alessi's new MH Series micropositioners have been designed for today's most stringent probing requirements. Available with high resolution thumb wheel or micrometer drives, these micropositioners provide the ultra precise control needed for sub-micron probing. Utilizing ball bearing slides, the MH Series offers the critical advantage of backlash-free,  $\frac{1}{2}$ " linear motion in all three axes. This series offers an all new exclusive feature: an orthogonal probe holder. With the use of this probe holder the user can set up the micropositioner to have consistent orthogonal movement in relation to the streets or rows of the device being probed. The MH Series micropositioners are precision built and thoroughly tested to exacting standards. They are compatible with all Alessi stations and accessories.




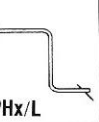
#### Features

- **Sub-Micron Resolution** . . . Alessi high resolution micropositioners have the ability to resolve less than 1 micron.
- **Linear Motion** . . . MH Series micropositioners offer true linear X, Y, Z motions for ultra-precise probe tip placement.
- **Zero Backlash** . . . Precision ball bearing slides guarantee ultra smooth movement with zero backlash.
- **Super Stable** . . . Large base provides stability needed for sub-micron probing.
- **Orthogonal Movement** . . . Adjustable probe holder permits consistent orthogonal movement in relations to the streets and rows of the device under test.
- **$\frac{1}{2}$ " Excursion** . . . MH2 and MH4 offer a full  $\frac{1}{2}$ " excursion in the X, Y axes;  $\frac{1}{4}$ " in 'Z' axis.
- **Versatility** . . . The ability to form the soft stainless steel probe holder enables the Alessi MH Series high resolution micropositioners to adapt to a variety of test situations.
- **Micrometer Control** . . . MH4 utilizes precision ground micrometer drives in all three axes.
- **Operator Engineered** . . . In addition to being available in right and left hand configurations, Alessi MH Series micropositioners can be specified with vacuum or magnetic bases.
- **Active and Coaxial Probes** . . . For low level and high frequency measurements.



- **MH2:**  $\frac{1}{2}$ " Excursion Screw Drive 3" H x 2 $\frac{1}{2}$ " W x 8 $\frac{3}{4}$ " L
- **MH4:**  $\frac{1}{2}$ " Excursion Micrometer Drive 3 $\frac{1}{2}$ " x 4" W x 10 $\frac{3}{4}$ " L

#### Probe Holders

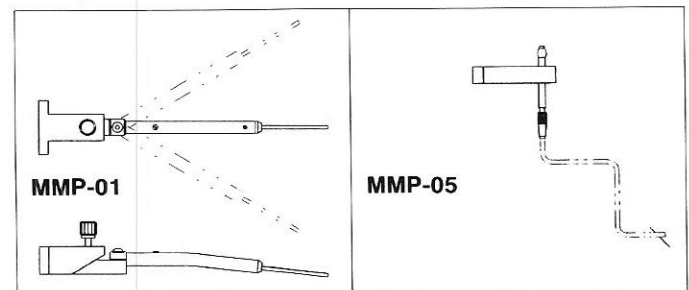
			
<b>PHW</b> Wrench lock tip holder	<b>PHQ</b> Quick release tip holder	<b>PHJ</b> Plug-in tip holder	<b>PHx/L</b>
<ul style="list-style-type: none"> <li>• Available in various preformed configurations</li> <li>• Constructed of soft bendable stainless steel</li> <li>• Isolated terminal may be specified</li> </ul>			

#### Probe Tips

General Purpose Tungsten		Special Purpose
Part #	Radii	<b>PTT-70</b> —0.07 $\mu$ Radii Catwhisker <i>World's Smallest Tip Radii</i>
<b>PTT-06</b>	0.6 $\mu$	
<b>PTT-12</b>	1.2 $\mu$	
<b>PTT-24</b>	2.4 $\mu$	<b>PTS-24</b> —2.4 $\mu$ Radii Osmium <i>Low Contact Resistance</i>
<b>45° Bend*</b>		
<b>PTT-06/4</b>	0.6 $\mu$	
<b>PTT-12/4</b>	1.2 $\mu$	<b>PTC-12</b> —1.2 $\mu$ Radii Carbide <i>Scribing and Cutting</i>
<b>PTT-24/4</b>	2.4 $\mu$	
<i>*Recommended for PHJ</i>		

All Tips are .020" Shank Diameter

#### Couplers



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