

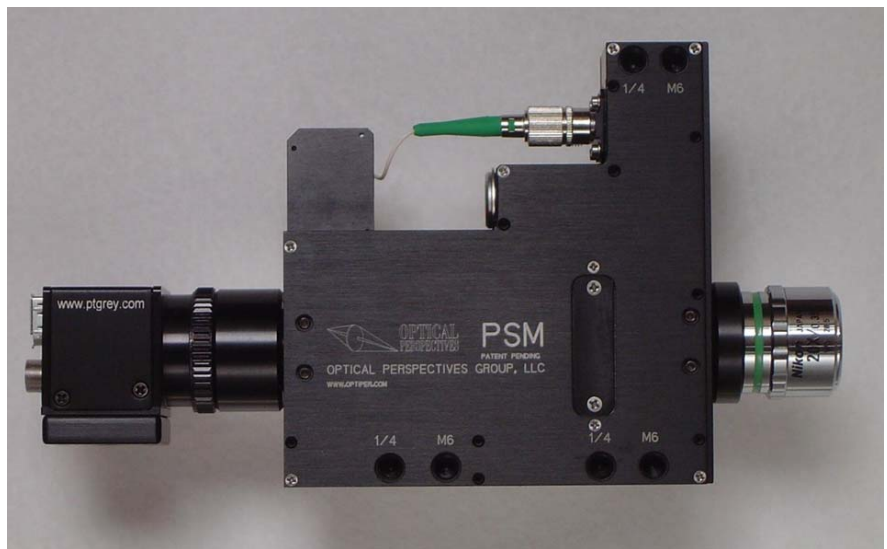
POINT SOURCE MICROSCOPE (PSM)

Designed to aid in the alignment of a centered optical system whose elements included spherical lenses, toroidal lenses and spherical mirror segments used off-axis. Alignment meant putting the centers of curvature of all these surfaces on a common axis.

ALIGN & MEASURE

Holograms
Off-axis mirrors
Image slicer mirror arrays
3-D systems
Telescope systems
Aspheric optics
Center of curvature
Paraxial lens parameters
Sensitive to image shapes

OPG's Point Source Microscope Price List



Point Source Microscope (PSM) includes:

- A PSM body
- A Nikon 10x long distance objective with a 60mm flange focal length
- A Point Grey CCD FireWire Camera with 1024 x 768 pixel digitized 8 bits
- A laptop computer (Sony VGN-N150G/W or equivalent) with Windows XP Pro and PSM Align software installed. The PSM Align software is NI LabView based and the source code is available at no charge for those who wish to modify the application, but modified software will not be supported

\$19,950—typical delivery is 4 weeks or less



1128 NE 2nd Street, Ste 104
Corvallis, OR 97330
Phone 541.255.2183
www.oscintl.com



Accessories

Price List

Right Angle Attachment—\$1200, in stock

- Used where space is limited
- Effective axial length of the PSM can be reduced to about 65mm using 45 mm ffl objectives and 80mm with 60mm ffl objectives.

Objective Adapters—\$150 each, in stock

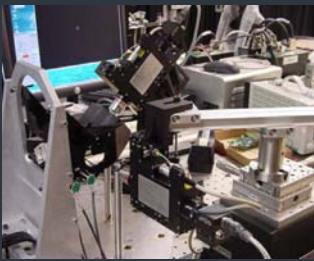
- Fits the Nikon 60mm ffl objectives
- Mitutoyo long working distance objectives
- ThorLabs lens tubes with SM1 threads
- RMS adapters

Focus Sensitivity Enhancing Lens—\$950, in stock

- The PSM has a sub-micron lateral sensitivity, but the axial or focus sensitivity is one or more μm depending on the objective magnification. Using the focus sensitivity enhancing lens introduces about a quarter wave of astigmatism properly oriented so that coupled with the PSM Align software, the axial sensitivity is comparable with the lateral sensitivity. The lens slips into the filter slot in the side of the PSM.

Long Working Distance Objectives—\$450, delivery is 4 weeks

- At times, an objective with a working distance longer than a standard microscope objective (about 30mm) is needed to get to a buried lens conjugate.
- A doublet and a singlet lenses mounted in ThorLabs lens tubes that are match to the PSM via a ThorLabs objective mount. Simply specify the working distance needed and we will supply the next longer, standard size ready to mount on your PSM



For more information on the
PSM or services please visit us
on the Web at:
www.oscintl.com

TECHNICAL SUPPORT

541.255.2165

SALES SUPPORT

541.255.2183.



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