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Your Reliable Source for Precision Opto-Mechanics



OPTO ELECTRONICS (P) LTD

- Positioning People Since 1976

C -346, Industrial Estate, 1st Stage, Peenya, Bangalore 560 058.
Phone: 91-80- 23349229 (O), 28394442 (W) Fax : 91-80-23344930
e-mail: support@oemplindia.com

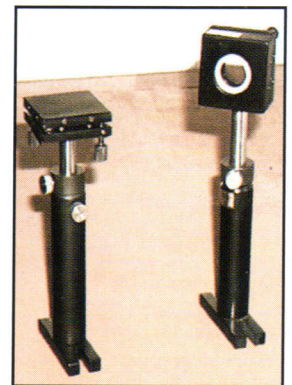
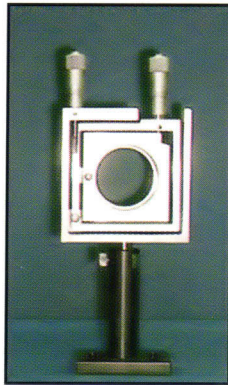
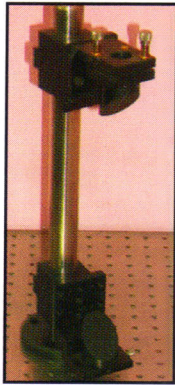
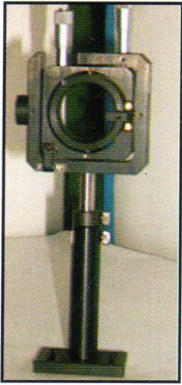
Profile

Opto Electronics is a company dedicated to build mechanical systems for applied optics since 25 years. The rapid development of LASERS has led us to specialize in manufacturing optical hardware and micro positioning equipment. It has been our endeavour to provide our customers with best quality, precision and reliability.

Our products are supplied to Space & Atomic Centre, Defence Organizations, Research Institutions, Universities and Laboratories.

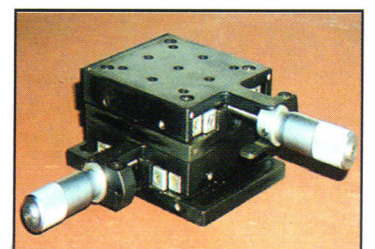
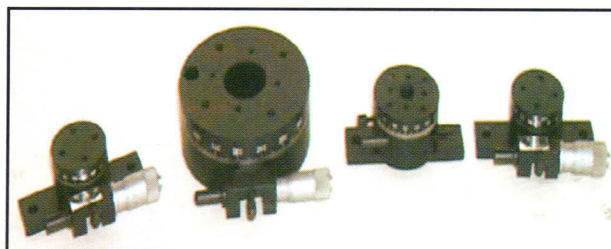
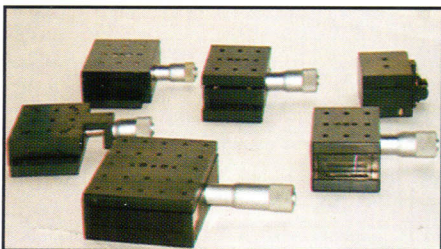
We also manufacture custom-built equipment, to your requirement.

Mounts



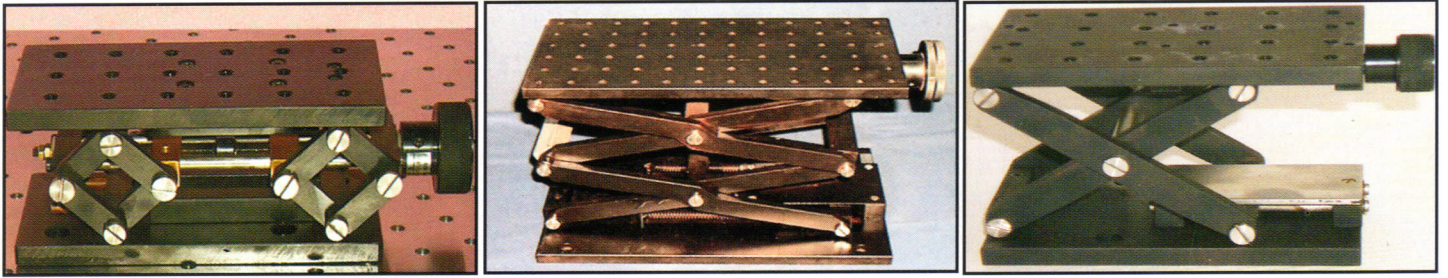
- Large and miniature mirror mounts. ■ Various diameters with adapters. ■ Mounts fitted with 0.5, 0.3, 0.2 mm pitch screws. ■ Hex drive models to prevent unwanted adjustments. ■ Kinematic and orthogonal adjustments. ■ L-shaped back plate for larger angular adjustment. ■ Horizontal mounting used as prism table. ■ Precision pin mounted Gimbal mount. ■ Constructional materials are anodized Aluminium or Stainless steel.

Stages



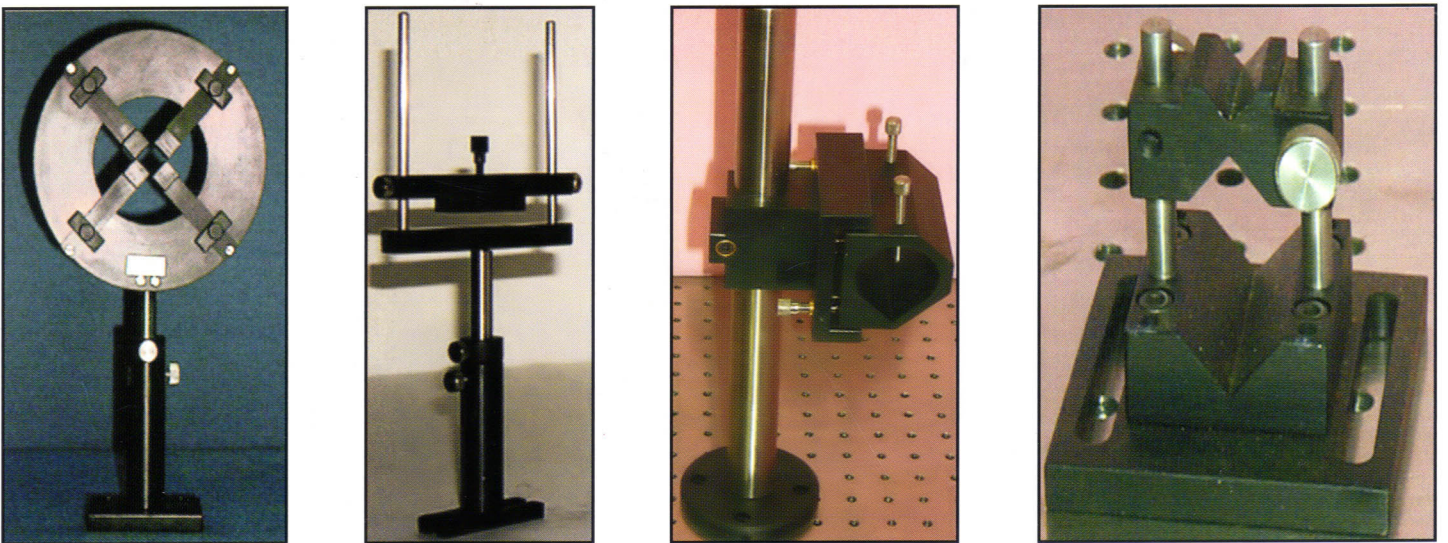
- Rotation stages of various diameters. ■ Low profile modular translation stages. ■ Large, medium and small platforms. ■ Travel range from 5mm-500mm for XYZ directions. ■ Controlled linear movement free of backlash and side play fitted with fine adjustment screws, standard and differential micrometers. ■ Compact side and center driven micrometer. ■ Stages fitted with ball bearing, dove tail design and hardened steel cross roller bearing for precision motion. ■ Designed for stability, repeatability exceptionally smooth motion. ■ Designed for higher load capacity of 50 kgs (approx). Full range of compatible motion controllers. ■ Anodized Aluminum or Stainless steel

Lab Jacks



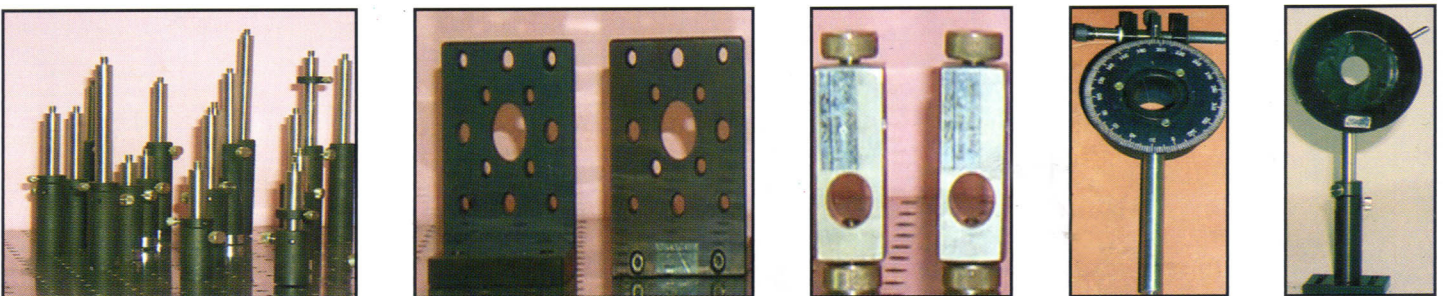
- Dual pantograph design supports more than 30Kgs (min height - 70mm and max height - 200 mm)
- Scissors design jack with load capacities of 5, 10 and 15 kgs (min height - 80mm and max height 150mm).
- Top plate with standard hole matrix of M6 with center distance of 25mm
- Mini Jack - (min height - 70mm & max height - 120mm)

Lens Holders



- Self centering, Sliding grip, Adjustable Lens Holder.
- Self centering spring actuated design for holding lenses upto 100mm diameter.
- Holds cylindrical objects.
- Provides large clear aperture.
- Adjustable lens holder to hold lenses up to diameter of 100mm.
- Sliding grips lens holder for lenses diameter of 50mm, 100mm, 150mm.
- Cylindrical lens holder.
- Circular filter holder.

General



- Post and post holders
- Angle brackets, SS clamps, base plates.
- Swivel and right angle post clamps.
- Polarizer and analyzer unit.
- Iris diaphragm.
- collar, sliding bases, mounting post bases and mounting post shims.
- Optical rails.
- Laser beam steering device.
- Multiple filter holder (circular, rectangular, square).
- Micrometer head fine adjustment screws.
- Slits, pin holes and microscope objectives.
- Accessories kits for optical bread boards, optical hardware and fasteners.
- Beam stopper, Beam dump, Mesh attenuator, Kinematic base, Rotating scatterer.

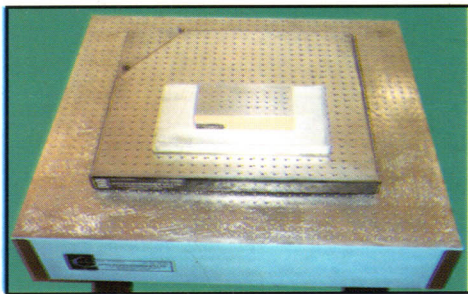


Honey comb table with Vibration Isolation System

- Available in various sizes.
- Standard hole pattern of M6 at center distance of 25 mm, 50mm.
- Top stainless steel and bottom Aluminium sheet.
- Self-damping side channels.
- Effective vibration isolation system.
- Supplied with maintenance free noiseless air compressor.
- Honey comb table with cellular core of stainless steel or aluminum.

Honey comb table with Supporting Stand

- Custom built tables of special length and thickness available.
- User defined cut out of rectangular, circular & square.
- Laser ports of various diameters.
- Convenient & strong stands for the table.
- Can be easily assembled.
- Matt black powder coat finish.
- Leveling screws provided for adjustment.



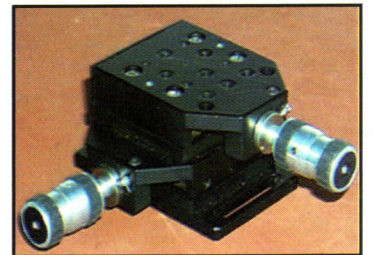
Bread Boards

- Lightweight honeycomb breadboard are cost effective.
- SS top and bottom with aluminum/stainless steel cellular core.
- Better rigidity than solid aluminum breadboards.
- With M6 tapped holes at 25mm/50 mm centers.
- Solid aluminum breadboards. Black anodized finish.
- Available in various sizes.

New Products

Sub micron stage (x & y translation stage).

- | | | |
|---------------------|---|--------------------------|
| ■ Fine adjustment | - | 0.05 micron sensitivity. |
| ■ Travel | - | 0.3 mm |
| ■ Coarse adjustment | - | 1 micron sensitivity. |
| ■ Travel | - | 8mm |
| ■ Guides | - | Cross roller bearing. |



Motorized Translation Stage

- | | | |
|---------------|---|--------------------------|
| ■ Drive | - | Stepper / D.C. Motors |
| ■ Resolution | - | 1 μ / 10 μ |
| ■ Hole Matrix | - | M6 at 25mm square matrix |

For More Information, Please Contact :-

Marketing Manager,
 Opto Electronics (P) Ltd.,
 E-mail : support@oeplindia.com

Phone : 91-80-2839 4442
 91-80-2334 9229
 Fax : 91-80-2334 4930