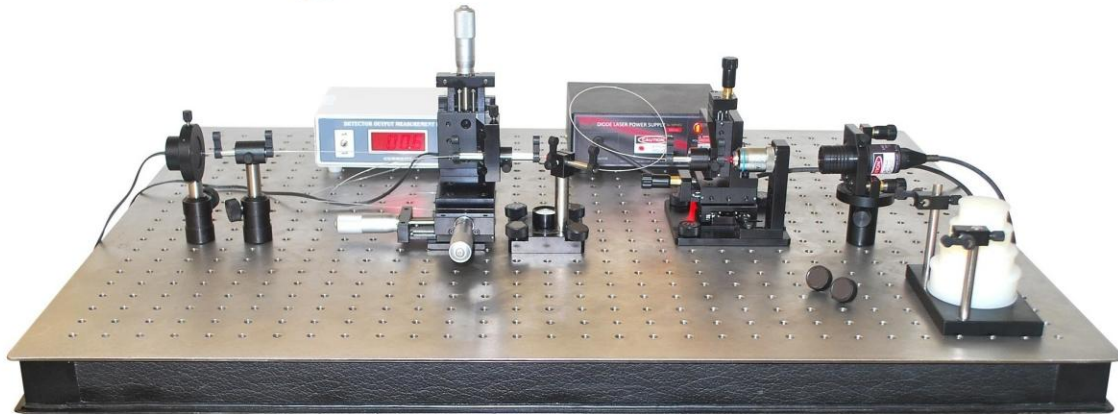
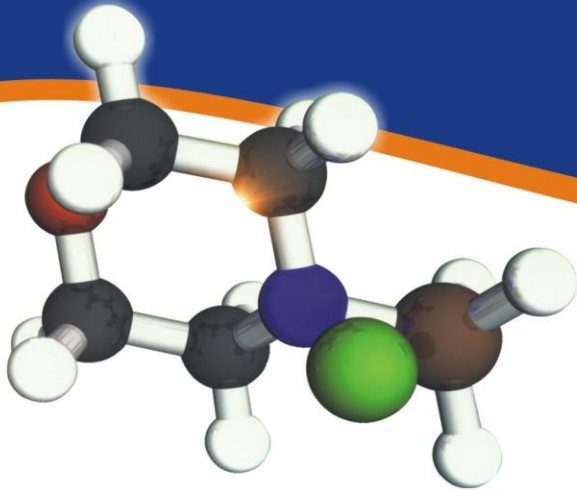




SCIENTIFIC COMPONENTS

(ISO 9001 : 2008)



Optical Table, Breadboards & Enclosures | Rail carriers & Accessories | Optomechanics | Positioning Devices | Optics
Analytic Instruments | Optical Fibers, Positioners & Accessories | Spectroscopy
Motorized Stages | All type of Lasers | Laser Safety Goggles | Physics Instruments

Office : B-663, III Floor, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

Factory : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-94

E-mail : scientific_components2005@yahoo.co.in

Website : www.scientificcomponents.com

(O) : 011-22813632 FAX : 011-22815347, (M) 09811367597, 09810314779



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

COMPANY PROFILE

ACTIVITIES OF DESIGN & DEVELOPMENT DEPARTMENT

Our Vision

Scientific Components aim is to be the most effective business solutions provider in terms of competitive prices for its products, quality, delivery and services.

Quality Commitment

Scientific Components is highly a quality-committed company. Our company practices stringent quality checks to ensure international quality standards. Our entire production, distribution and packaging system are supervised by the experienced professionals. They very minutely check the procuring process of raw materials, assess the raw materials personally and then grant the permission to be used for further production. They make sure that products are supplied at desired destinations safely without any biased manner.

Our Clients

Scientific Components provides best quality in Optics/Opto-mechanical Lab Equipment. Also, we are able to win the trust and loyalty of our clients for our invaluable service across the country. By dealing in unbiased manner and retaining transparency, we have been able to multiply our clients over the years.

Infrastructure Setup

Scientific Components possess a well-equipped manufacturing set up where we are able to carry out the production in bulk quantities. Coupled with an efficient team of professionals, our strength in producing high quality equipments at shorter period gets double. Scientific Components has a fully comprised manufacturing facility for churning out the best quality products in the market.

Quality Assurance

Scientific Components possesses the latest standardized manufacturing and testing equipments to ensure flawless movement of goods. Regular up gradation of technology is conducted to keep pace with international trends. We guarantee that our esteemed clients will definitely feel the worth of every single penny that they spend on purchasing our products.



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

TERMS & CONDITION

Quotations: *All quotations are valid for 90/120 days from the date of issue.*

Specifications: *Scientific Components reserves the right to modify, change or otherwise improve all items in the catalog specifications without notice.*

Purchase Orders: *Written, faxed and e-mail purchase orders are accepted. All orders require immediate written confirmation.*

Product warranty: *Our warranty for all our mechanical components and systems are ONE year from the date of shipment. Repair or replacement will be made free of charge for products with defects in material and workmanship. For our optical components, our warranty is 30 days from the date of shipment. Defective items will be replaced at no charge. The customer must notify any defect in optical components within 48 hours of receipt. For all warranty replacement, a written statement with an authorized signature indicating the reason for rejection attaching test reports must accompany will returned parts. All defective items must be returned in their original shipping container within 10 days of the date of shipment.*

Payment: *Payment terms are NET 30 days on approved credit from the date of our invoice on all orders. Customers paying by international wire transfer must prepay all bank charges including all charges imposed by correspondent or intermediary banks.*

Shipping & Delivery: *The date of delivery is only an estimate and we will have no liability for late or partial deliveries. We may refuse for any order for any reason. Catalog items are normally shipped immediately from inventory. In the event that the item is out of stock, an estimated delivery date is given at the time of order. Most items can be shipped within 45 days.*

Taxes: *We collect general sales tax on shipments, unless the purchaser supplies us a signed official sales tax exemption certificate with the order. Purchase made outside our region are responsible for their state or local sales / use tax, if any and other taxes payable by reason of this transaction.*

Repairs: *If your unit is out of warranty but needs repairs, please contact us for repair information.*



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

HONEY COMB BREAD BOARD /OPTICAL TABLE



Features

High-quality steel honeycomb optical tops: The high-quality steel honeycomb optical tops that consist of a steel honeycomb core laminated with steel top and bottom skins provide high stiffness with respect to low weight. The steel honeycomb core is sandwiched between two faces of skin materials (laminated with steel bottom and ferromagnetic stainless steel top skins) and finished with side panels.

Working surface: The top skins are stretcher-leveled and pressure bonded to achieve excellent top flatness and tightly sanded with an orbital pattern to remove burrs and provide non-glare & non-reflecting finish.

Honeycomb core: Honeycomb core is made of 0.3mm thick steel/Aluminium, plated to prevent corrosion, closed-cell structure with basic cell size of 3.2cm² giving core density of 3x10⁴kg/cm³,

Bonding: The bending process is critical to long term performance. The honeycomb core, skins and side walls are rigidly and permanently bonded with specially formulated high strength adhesive, which has no viscoelastic creep and hysteresis.

Sealed mounting holes: Standard mounting holes on the top are lead-screw tapped (either M6-1.0 on a 25mm grid) and slightly counters to remove ridges and burrs. Sealed mounting holes in register with open cells in the honeycomb core assure that all mounting screws can be inserted to full depth.

How to select top thickness: In general, top thickness is proportional to static rigidity and dynamic natural frequency; it does not affect compliance directly. A top length to thickness ratio of 10: 1 is a safe rule for most general applications, but in case of very sensitive optical experiments at severe environments, it might be 7: 1. Small 50mm thick optical tops should be supported on uniform flat surfaces, not post mounts. But 100mm thick tops may be supported on post mounts.



SCIENTIFIC COMPONENTS

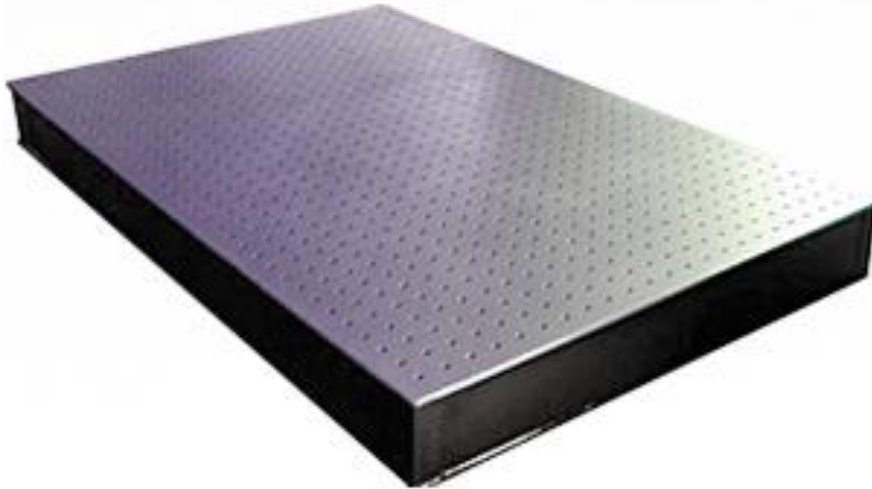
Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

HONEYCOMB/ OPTICAL BREADBOARDS – MAGNETIC

Honeycomb breadboards provide extremely effective way to expand the useful area of an optical table. The breadboards have a honeycomb core inside. The breadboards are not intended to substitute optical tables. Their size-to-thickness ratio produces relatively low end-to-end rigidity, although their local rigidity over distances of less than about 30 to 60 cm is excellent. When attached solidly to a dynamically rigid optical table, performance of resulting working surface becomes comparable to that of the table itself.



Specification

- **Top skin plate:** 4 mm thickness ferromagnetic stainless steel plate, smooth sanded finish.
- **Bottom skin plate:** 4 mm thick epoxy coated.
- **Core:** Honeycomb core made of 0.25 mm thick Aluminium sheet.
- **Flatness of the top:** ± 0.1 mm over 300 mm x 300 mm area.
- **Mounting holes:** M6 tapped holes on top on 25 mm grid.
- Nylon cups are fixed under each tapped hole for the protection of the core.
- **Bonding:** By custom semi-solid epoxy.
- **Side walls:** Compressed wooden particle boards to dampen acoustic vibrations.
- **Side wall finish:** Black mat finish by black form sheet.



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, Webiste : www.scientificcomponents.com

ORDERING CHART OF HONEYCOMB/OPTICAL BREAD BOARD MAGNETIC

Model No	Dimension in mm	Thickness (in mm)
HC/OBB – M – 01	600 x 600	50,100,150,200
HC/OBB – M – 02	900 x 600	50,100,150,200
HC/OBB – M – 03	900 x 900	50,100,150,200
HC/OBB – M – 04	1200 X 600	100,150,200,300
HC/OBB – M – 05	1200 x 900	100,150,200,300
HC/OBB – M – 06	1200 X 1000	100,150,200,300
HC/OBB – M – 07	1200 x 1200	100,150,200,300
HC/OBB - M – 08	1500 x 600	100,150,200,300
HC/OBB – M – 09	1500 x 900	100,150,200,300
HC/OBB – M – 10	1500 x 1000	100,150,200,300
HC/OBB – M – 11	1500 x 1200	100,150,200,300
HC/OBB – M – 12	1500 x 1500	100,150,200,300
HC/OBB – M – 13	1800 x 900	200,300,400
HC/OBB – M – 14	1800 x 1200	200,300,400
HC/OBB – M – 15	1800 x 1500	200,300,400
HC/OBB – M – 16	2000 x 1000	200,300,400
HC/OBB - M – 17	2000 x 1200	200,300,400
HC/OBB - M – 18	2000 x 1500	200,300,400
HC/OBB – M – 19	2400 x 900	200,300,400
HC/OBB – M – 20	2400 x 1200	200,300,400
HC/OBB - M – 21	2400 x 1500	200,300,400
HC/OBB – M – 22	2700 x 900	200,300,400
HC/OBB – M – 23	2700 x 1200	200,300,400
HC/OBB – M – 24	2700 x 1500	200,300,400
HC/OBB – M – 25	3000 x 900	200,300,400
HC/OBB – M – 26	3000 x 1200	200,300,400
HC/OBB – M – 27	3000 x 1500	200,300,400
HC/OBB – M – 28	3455 x 2880	200,300,400
HC/OBB - M – 29	3600 x 1200	200,300,400
HC/OBB - M – 30	3600 x 1500	200,300,400
HC/OBB – M – 31	4800 x 1500	200,300,400

Note: The custom dimensions are available upon request beside standard size.



SCIENTIFIC COMPONENTS

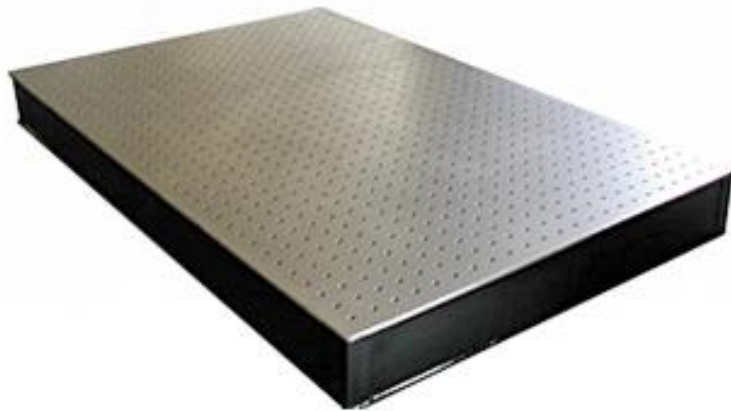
Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

HONEYCOMB/ OPTICAL BREADBOARDS - NON MAGNETIC

In these breadboards top skin and bottom skin are made of non-magnetic SS. Core is made out of either aluminum or non-magnetic SS sheet. All other features remain same as that of standard breadboards.



Specification

- **Top skin plate:** 5 mm thick non-magnetic SS304.
- **Bottom skin plate:** 4 mm thick non-magnetic MS.
- **Flatness of the top:** ± 0.1 mm over 300 mm x 300 mm area.
- **Mountig holes:** M6 tapped holes on top on 25 mm grid.
- Nylon cups are fixed under each tapped hole for the protection of the core.
- **Side walls:** Compressed wooden particle boards to dampen acoustic vibrations.
- **Side wall finish:** Black mat finish by black form sheet.



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, Webiste : www. scientificcomponents.com

ORDERING CHART OF HONEYCOMB/OPTICAL BREAD BOARD NON MAGNETIC

Model No	Dimension in mm	Thickness (in mm)
HC/OBB – NM – 01	600 x 600	50,100,150,200
HC/OBB – NM – 02	900 x 600	50,100,150,200
HC/OBB – NM – 03	900 x 900	50,100,150,200
HC/OBB – NM – 04	1200 X 600	100,150,200,300
HC/OBB – NM – 05	1200 x 900	100,150,200,300
HC/OBB – NM – 06	1200 X 1000	100,150,200,300
HC/OBB – NM – 07	1200 x 1200	100,150,200,300
HC/OBB – NM – 08	1500 x 600	100,150,200,300
HC/OBB – NM – 09	1500 x 900	100,150,200,300
HC/OBB – NM – 10	1500 x 1000	100,150,200,300
HC/OBB – NM – 11	1500 x 1200	100,150,200,300
HC/OBB – NM – 12	1500 x 1500	100,150,200,300
HC/OBB – NM – 13	1800 x 900	200,300,400
HC/OBB – NM – 14	1800 x 1200	200,300,400
HC/OBB – NM – 15	1800 x 1500	200,300,400
HC/OBB – NM – 16	2000 x 1000	200,300,400
HC/OBB – NM – 17	2000 x 1200	200,300,400
HC/OBB – NM – 18	2000 x 1500	200,300,400
HC/OBB – NM – 19	2400 x 900	200,300,400
HC/OBB – NM – 20	2400 x 1200	200,300,400
HC/OBB – NM – 21	2400 x 1500	200,300,400
HC/OBB – NM – 22	2700 x 900	200,300,400
HC/OBB – NM – 23	2700 x 1200	200,300,400
HC/OBB – NM – 24	2700 x 1500	200,300,400
HC/OBB – NM – 25	3000 x 900	200,300,400
HC/OBB – NM – 26	3000 x 1200	200,300,400
HC/OBB – NM – 27	3000 x 1500	200,300,400
HC/OBB – NM – 28	3455 x 2880	200,300,400
HC/OBB – NM – 29	3600 x 1200	200,300,400
HC/OBB – NM – 30	3600 x 1500	200,300,400
HC/OBB – NM – 31	4800 x 1500	200,300,400

Note: The custom dimensions are available upon request beside standard size.



SCIENTIFIC COMPONENTS

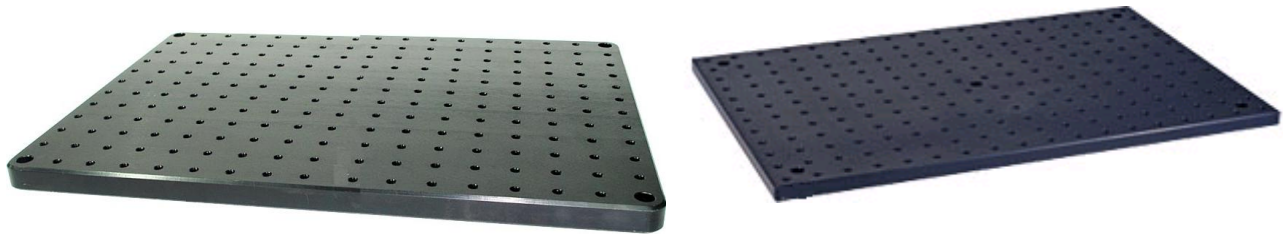
Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

ALUMINIUM BREADBOARDS

Aluminium breadboards are useful when working area required is comparatively small. In addition to rectangular shapes, we manufacture aluminum breadboards of various shapes like "T" or "L". As per requirements, we provide these breadboards with circular or rectangular access holes. Elevated platforms can be built using standard posts using M6 clearance holes provided on four corners of the breadboard. M6 tapped holes are provided on 25 mm grids throughout the surface for component mounting. The breadboards are anodized and given black mat finish.





SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste :** www.scientificcomponents.com

ORDERING CHART OF ALUMINIUM BREAD BOARD

Model No:	L (mm)	B (mm)	Thickness (mm)
ABB-01	100	75	5, 10
ABB-02	150	75	5, 10
ABB-03	200	75	5, 10
ABB-04	250	75	5, 10
ABB-05	100	100	5, 10,
ABB-06	100	150	5, 10
ABB-07	100	200	5, 10
ABB-08	100	250	5, 10
ABB-09	100	300	10
ABB-10	100	400	10
ABB-11	150	100	10
ABB-12	150	150	5, 10
ABB-13	150	200	5, 10,
ABB-14	150	250	5, 10
ABB-15	150	300	10
ABB-16	150	400	10
ABB-17	200	200	5, 10
ABB-18	200	250	5, 10
ABB-19	200	300	10, 18
ABB-20	200	400	10, 18
ABB-21	250	250	5, 10, 18
ABB-22	250	300	10, 18
ABB-23	250	400	10, 18
ABB-24	300	300	10, 18
ABB-25	300	400	10, 18
ABB-26	350	250	10, 18
ABB-27	350	300	10, 18
ABB-28	350	350	10, 18
ABB-29	400	250	10, 18
ABB-30	400	300	10, 18
ABB-31	400	350	10, 18
ABB-32	400	400	10, 18
ABB-33	450	250	10, 18
ABB-34	450	300	10, 18
ABB-35	450	350	10, 18
ABB-36	450	400	10, 18
ABB-37	500	250	10, 18
ABB-38	500	300	10, 18
ABB-39	500	350	10, 18
ABB-40	500	450	10, 18
ABB-41	500	500	10, 18
ABB-42	900	900	10, 18

Note: The custom dimensions are available upon request beside standard size.



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

90° BRACKET

These angle brackets are designed to mount aluminum breadboards perpendicular to optical table for achieving vertical working surface.



ORDERING CHART OF 90° BRACKET

Model No:	L (mm)	B (mm)	Thickness (mm)
90° Bracket – 01	150	100	16,19,25
90° Bracket – 02	200	150	16,19,25
90° Bracket – 03	250	150	16,19,25
90° Bracket – 04	300	200	16,19,25
90° Bracket – 05	400	300	16,19,25
90° Bracket – 06	400	400	16,19,25
90° Bracket – 07	500	500	16,19,25
90° Bracket – 08	600	600	16,19,25
90° Bracket – 09	900	600	16,19,25
90° Bracket - 10	900	900	16,19,25

Note: The custom dimensions are available upon request beside standard size.



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, Webiste : www.scientificcomponents.com

ALUMINIUM BREADBOARDS WITH RIBS

These are large size aluminum breadboards. Ribs (50mm height) are provided 300mm apart in addition to all the sides as reinforcement to prevent bending and warping. M6 tapped holes are provided on 25 mm grid throughout the surface for mounting.

Specification

- **Damping:** Broadband standard damping.
- **Construction:** Honey Comb core sandwiched structure.
- **Finish:** Black Mat finish by epoxy coating.



ORDERING CHART OF ALUMINIUM BREADBOARDS WITH RIBS

Model No	L (mm)	B (mm)	Thickness
ABBR – 01	600	600	50,100,200,300
ABBR – 02	750	600	50,100,200,300
ABBR – 03	900	600	50,100,200,300
ABBR – 04	900	750	50,100,200,300
ABBR – 05	900	900	50,100,200,300
ABBR – 06	900	1200	50,100,200,300
ABBR – 07	1000	500	50,100,200,300
ABBR – 08	1000	750	50,100,200,300
ABBR – 09	1000	1500	50,100,200,300
ABBR – 10	1200	600	50,100,200,300
ABBR – 11	1200	750	50,100,200,300
ABBR – 12	1200	900	50,100,200,300
ABBR – 13	1200	1200	50,100,200,300
ABBR – 14	1200	1500	50,100,200,300
ABBR – 15	1500	600	50,100,200,300
ABBR – 16	1500	750	50,100,200,300
ABBR – 17	1500	900	50,100,200,300
ABBR – 18	1500	1000	50,100,200,300
ABBR – 19	1500	1200	50,100,200,300
ABBR – 20	1800	600	50,100,200,300
ABBR – 21	1800	900	50,100,200,300
ABBR – 22	1800	1200	50,100,200,300
ABBR – 23	2000	1000	50,100,200,300
ABBR – 24	2000	1200	50,100,200,300
ABBR – 25	2400	900	50,100,200,300
ABBR – 26	2400	1200	50,100,200,300

Note: The custom dimensions are available upon request beside standard size.



SCIENTIFIC COMPONENTS

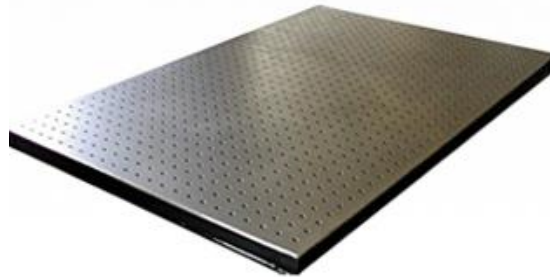
Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

HONEYCOMB BREADBOARDS - LIGHT WEIGHT

Light weight breadboards are constructed ferromagnetic stainless steel sheet. It has honeycomb core made of aluminum to reduce weight. The features of these light weight breadboards include high natural frequency and nominal broadband damping. These light weight breadboards are perfect for optical systems where mobility is more important than high level of rigidity and damping. *"Available In: Non-Magnetic"*.



Specifications

- **Top skin plate:** 4 mm thick magnetic SS.
- **Bottom skin plate:** 3 mm thick epoxy coated.
- **Core:** Honeycomb core made of 0.25 mm thick ferromagnetic steel sheet.
- **Flatness of the top:** ± 0.1 mm over 300 mm x 300 mm area.
- **Mounting holes:** M6 tapped holes on 25 mm grid.
- Nylon cups are fixed under each tapped hole for the protection of the core.
- **Side walls:** Compressed wooden particle boards to dampen acoustic vibrations.
- **Side wall finish:** Black mat finish by black form sheet.

ORDERING CHART OF HONEY COMB BREAD BOARD LIGHT WEIGHT

Model No	Length (mm)	Width (mm)
HBB – LW – 01	600	300
HBB – LW – 02	600	600
HBB – LW – 03	800	800
HBB – LW – 04	900	600
HBB – LW – 05	900	900
HBB – LW - 06	900	1200
HBB – LW - 07	1200	1200
HBB – LW - 08	1800	1200

Note: The custom dimensions are available upon request beside standard size.



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste :** www.scientificcomponents.com

PNEUMATIC VIBRATION ISOLATION SYSTEM



FEATURES

High quality steel honeycomb table tops:

A perfect plane board for optical experiments is utilized with a honeycomb sandwich panel structure, which has the excellent rigidity and relatively light weight considering the mass. An array of mount holes on the magnetic attachable stainless top easily provides a researcher to secure optical components onto it.

Any directional vibration isolation:

The conventional pneumatic isolators have lower vibration isolation efficiency in horizontal direction than vertical in general. But Scientific Components new isolators provide an excellent isolation in all directions by the special designed horizontal vibration removal mechanism and the isolator's natural frequency is very low.

High damping:

An ideal vibration isolation system should provide both best vibration isolation and high damping. Scientific Components pneumatic isolator utilizes damping techniques, and reduces the amplification at the natural frequency and prevents the system from rocking in response to transient disturbances.

Self-leveling top:

The constant height is maintained and controlled by an air regulator valves actuated by table motion. This system also provides self-leveling of the table top when loads are moved across the work surface or sudden load change occurs.



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

ACTIVE VIBRATION ISOLATION SYSTEM

Active air isolators are employed in our table supports for isolating the table top from vertical and horizontal disturbances. Here legs operate independently. The isolators which are fixed to four vertical members of the support system are individually filled with air by a Air Compressor to a pressure of 40-80 PSI. Once pressurized, the procedure need not be repeated for a long period. The system is cost effective, maintenance free and easy to operate.



Specification of Vibration Isolation System

- **Control:** Pneumatic.
- **No. Of Isolators:** 4 Nos.
- **Levelling:** Auto levelling by 3 Automatic levelling valves.
- **Levelling Repeatability/ Accuracy:** Standard type: ± 0.1 mm.
- **Vibration:** Air Spring Isolations.
- **Air Pressure:** 5~7 kg/ compressed air or nitrogen gas.
- **Load Capacity:** Safety Load 720 Kgs (Including Table Top).
- **Damping:** Air damping by orifice.
- **Setting Time:** ≤ 1 Min.
- **Height of Isolators:** 600-700 mm.



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

Performance Specification:

- **Natural frequency of Support System.**
Vertical: $\leq 1.2 - 1.5$ Hz.
Horizontal: $\leq 1.5 - 1.7$ Hz.
- **Roll off rate (or isolation efficiency)**
 1. Vertical Isolation @ 5 Hz: over 85%.
Horizontal Isolation @ 5 Hz: Over 75%.
 2. Vertical Isolation @ 10 Hz: Over 95%.
Horizontal Isolation @ 10 Hz: over 85%.

Noise less Air Compressor

- **Operating Pressure:** 40-80 PSI.
- **Air Delivery:** 30 L/MIN.@80PSI.
- **Pressure Control:** Present Minimum Pressure by automatic Switch.
- **Electric power:** 220 VAC, 220W.
- **Tank Capacity:** 18 Liters.





SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, Webiste : www.scientificcomponents.com

ORDERING CHART OF ACTIVE VIBRATION ISOLATION SYSTEM

Model No:	Optical Table Size (Dimension in mm)	Thickness (Dimension in mm)	Active Vibration Isolation System (L X B)	Height (Dimension in mm)	Load Capacity (± 2 Kg)
AVIS – 01	900 x 900	100	750 x 700	700	400
AVIS – 02	1000 x 750	100	800 x 600	700	400
AVIS – 03	1200 x 600	100	900 x 450	700	400
AVIS – 04	1200 X 750	100	900 x 450	700	400
AVIS – 05	1200 x 900	100	900 x 700	700	400
AVIS – 06	1200 x 1200	100	900 x 900	700	400
AVIS – 07	1200 x 1000	100	900 x 800	700	400
AVIS – 08	1500 x 600	100	1100 x 450	700	500
AVIS – 09	1500 x 750	100,200	1100 x 600	700,600	500
AVIS – 10	1500 x 900	100,200	1100 x 700	700,600	500
AVIS – 11	1500 x 1000	100,200	1100 x 750	700,600	500
AVIS – 12	1500 x 1200	100,200	1100 x 900	700,600	500
AVIS – 13	1500 x 1500	200,300	1100 x 1150	600,500	500
AVIS – 14	1800 x 600	100	1150 x 450	700	500
AVIS – 15	1800 x 750	200,300	1150 x 600	600,500	500
AVIS – 16	1800 x 900	200,300	1150 x 700	600,500	500
AVIS – 17	1800 x 1200	200,300	1150 x 900	600,500	750
AVIS – 18	1800 x 1500	200,300	1150 x 1150	600,500	800
AVIS – 19	2000 x 1000	200,300	1200 x 750	600,500	800
AVIS – 20	2000 x 1200	200,300	1200 x 750	600,500	800
AVIS – 21	2000 x 1500	200,300	1200 x 1150	600,500	800
AVIS – 22	2400 x 900	200,300	1400 x 700	600,500	800
AVIS – 23	2400 x 1200	200,300	1400 x 900	600,500	800,1200
AVIS – 24	2400 x 1500	200,300	1400 x 1150	600,500	800,1200
AVIS – 25	2700 x 900	200,300	1400 x 700	600,500	800,1200
AVIS – 26	2700 x 1200	200,300	1400 x 1000	600,500	800,1200
AVIS – 27	2700 x 1500	200,300	1400 x 1300	600,500	800,1200
AVIS – 28	3000 x 900	200,300	1600 x 800	600,500	800,1200
AVIS – 29	3000 x 1000	200,300	1600 x 900	600,500	800,1200
AVIS – 30	3000 x 1200	200,300	1600 x 900	600,500	800,1200
AVIS – 31	3000 x 1500	200,300	900 x 1150	600,500	1200
AVIS – 32	3600 x 1200	200,300	1050 x 900	600,500	1200
AVIS – 33	3600 x 1500	200,300	1050 x 1150	600,500	1200

- Available in 4 or 6-Post.
- The Height of Support Only.
- The Custom dimensions are available upon request beside standard size.
- Higher Load Capacity Support System are available on Customer's request.

Note: The custom dimensions are available upon request beside standard size.



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

PASSIVE VIBRATION ISOLATION SYSTEM

The Active and the Passive isolation systems are both based on compressed air, providing vibration isolation in frequencies above 2Hz and 10Hz (respectively) making them ideal systems for demanding photonic experiments or for work in a noisy environment. In addition, Scientific Components also offers rigid support systems with no vibration isolation for less demanding applications which require only breadboard isolation. The table below compares the isolation performance of our different isolation systems.

Our frames fit metric/Imperial breadboards. These standard frames can support loads up to 700 kg (570 lb). The passive isolators are a static isolation system and do not require a constant air supply; therefore, our foot pump can be used to inflate the isolators.



ORDERING CHART OF PASSIVE VIBRATION ISOLATION SYSTEM

Model No.	Suitable for Tabletop Model
PVIS-01	900 x 900
PVIS-02	1200 x 900
PVIS-03	1200 x 1200
PVIS-04	1800 x 1200
PVIS-05	2400 x 1200
PVIS-06	1300 x 1200
PVIS-07	1800 x 1500
PVIS-08	2400 x 1500
PVIS-09	3000 x 1500
PVIS-10	3600 x 1500

Note: The custom dimensions are available upon request beside standard size.



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

RIGID TABLETOP SUPPORTS

This support system has four vertical members made from 100 mm x 100mm steel tube and eight horizontal members made from 50 mm x 50 mm steel tubes. These members can be joined by nuts & bolts at the lab site. The honeycomb surface rests on four heavy-duty bolts on the top of the support system, which can also be adjusted for leveling. The adjustment range is ± 5 mm. The support system is given moon light finish by epoxy paint.



ORDERING CHART OF RIGID TABLETOP SUPPORTS

Model No:	Suitable for Tabletop Model
RTS – 01	900 x 900 mm
RTS – 02	1200 x 900 mm
RTS – 03	1200 x 1200 mm
RTS – 04	1800 x 1200 mm
RTS – 05	2400 x 1200 mm
RTS - 06	3000 x 1200 mm

Note: The custom dimensions are available upon request beside standard size.



SCIENTIFIC COMPONENTS

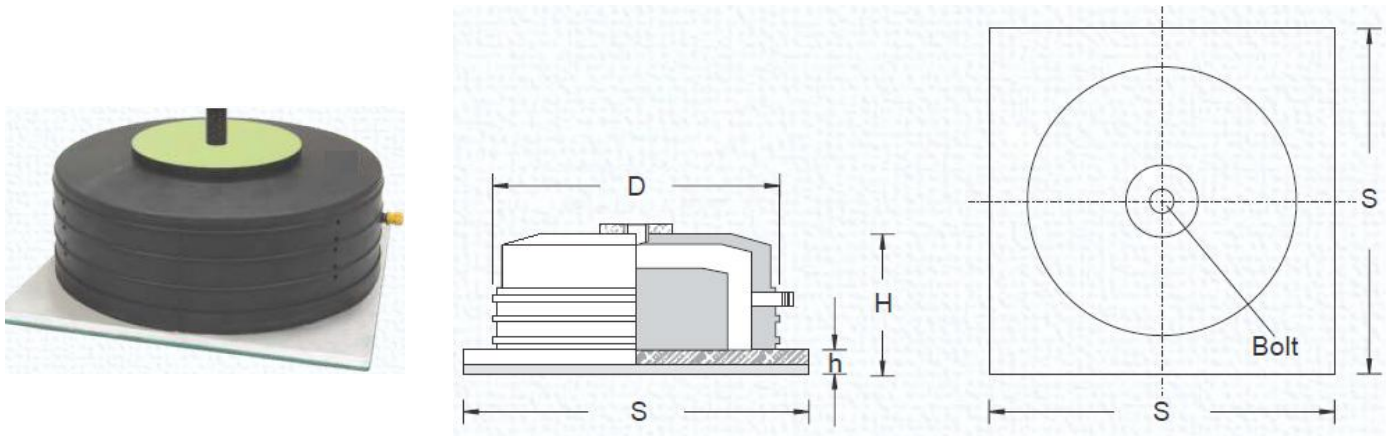
Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, Webiste : www.scientificcomponents.com

PASSIVE VIBRATION PADS (PVP)

Passive Vibration Mount (PVM) series provide highly effective insulation of machines against low frequency vibration / impact. The element offers a vertical natural frequencies between 2.5 to 6.0 Hz (depending upon the pressure required to support the load). The component has vertical to horizontal stiffness ratio of approximately one. Suited for both active and passive vibration control.



ORDERING CHART OF PASSIVE VIBRATION ISOLATION MOUNT

Model	Load (Kg/pc)	Max. Pressure Bar	S mm	D mm	H App. mm	h mm
PVP 1	25 - 60	3	88	84	64	6
PVP 2	80 - 300	5	125	120	70	6
PVP 3	270 - 800	6	182	174	88	6
PVP 4	650 - 1500	6	252	250	108	8
PVP 5	1200 - 3400	6	370	360	111	8
PVP 6	3000 - 6500	6	500	480	114	8

Note: The custom dimensions are available upon request beside standard size.



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

SOLID ALUMINUM BREAD BOARD FRAME

This breadboard frame is an economical solution that is designed for use with our PBG Series. Its light weight construction and included casters allow the user to maneuver the workstation easily to any desired location. This alternative to rigid frames can be useful in providing an extra work surface and support for breadboards at an economical price.

These frames are excellent for use with our Ultra Light series. For applications with heavier load requirements, please refer to our section on Rigid Support Frames earlier in this section.

Specification

- **Load Capacity, Including Bread Board:** 200 Kg. (440 lbs.).
- **Working Height:** 735mm + Height of Bread Board.
- Includes caster & leveling feet.
- **Finish:** Dark Gray.

Features

- Rigid Bread Board Support.
- All-Steel Construction.
- Casters and Leveling Feet Included.
- Ships Fully Assembled.
- Compatible with Both Metric and Imperial Breadboards.
- Sorbothane Pads Provide Damping Between the Breadboard and Frame.



ORDERING CHART OF SOLID ALUMINUM BREAD BOARD FRAME

Model No.	Length	Height
SABBF – 01	900 mm	600 mm
SABBF – 02	900 mm	750 mm
SABBF – 03	1200 mm	600 mm
SABBF – 04	1200 mm	750 mm

Note: The custom dimensions are available upon request beside standard size.



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

BREAD BOARD ENCLOSURE SYSTEM

These enclosure systems attach directly to our Breadboards utilizing the four counter bored mounting holes provided on all boards. These enclosures are ideal for protecting delicate instruments located on the breadboard. All enclosure systems have an internal height of 12". For light-sensitive instruments, we offer several options designed using black hardboard panels. While the enclosures are shipped flat, they can be assembled within ten minutes, using only a M5 hex wrench or ball driver.



ORDERING CHART OF BREAD BOARD ENCLOSURE SYSTEM

Model No.	Size in inches
BBES – 01	9 x 15 x 12
BBES – 02	9 x 21 x 12
BBES – 03	15 x 21 x 12

Note: The custom dimensions are available upon request beside standard size.



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

CASTOR WHEELS

The Pneumatic Vibration Isolated system and rigid supports can be connected with castor wheels at the bottom for moving the table system in and around the lab whenever required.





SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

OPTO-MECHANICS

M/s Scientific Components manufacture wide range of products in the field of Opto-Mechanics & Optical Instruments etc.

POST

Stainless steel posts have 12mm & 16mm diameter with precision ground finish. Stainless steel post with tolerance - 0.01/-0.03 diameter. One end of the post is turned suitable for M4 screw and other end is for M6 screw. This posts are suitable for post holders.

Specifications:

- Diameter: 12 mm.
- Mounting holes: M4 & M6 tapped holes at both ends.
- 3.6mm diameter hole is provided on the surface of the post for providing extra torque while tightening components on it.
- Material: Stainless steel, SS 304.

- Finish: Precision ground finish.

Model No	Length (mm)	Dia (mm)
P - 01	30	12 & 16
P - 02	40	12 & 16
P - 03	50	12 & 16
P - 04	75	12 & 16
P - 05	100	12 & 16
P - 06	125	12 & 16
P - 07	150	12 & 16
P - 08	200	12 & 16
P - 09	250	12 & 16
P - 10	300	12 & 16



Accessories for post sold separately

1. Set Screw

Thread Length = 12mm.

Type of Thread: M4 & M6.



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

POST HOLDER

Posts are held in position by spring loaded thumbscrews. Knob is provided with every post holder for smooth up and down movement and stable tightening at desired position. We can fix the post holder to an optical table, base plate or a pedestal adapter by using M6 mounting hole provided on the bottom side of the post holder.

Specifications:

- Bore size: 12 mm & 16mm to suit 12 & 16mm mm diameter standard posts.
- Mounting hole: M6 tapped hole at the base.
- Post mounting: Posts are held in position by spring loaded thumbscrews.
- Material: Aluminum alloy.
- Finish: Black anodized mat finish.

Model No	Length (mm)	Outer Dia (mm)
PH 11	30	25
PH 12	40	25
PH 13	50	25
PH 14	75	25
PH 15	100	25
PH 16	125	25
PH 17	150	25
PH 18	200	25
PH 19	250	25
PH 20	300	25





SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

POST HOLDER

This pedestal post holder can be fixed anywhere on the breadboard with the help of a pedestal fork. Pedestal clamping increase its stability in mounting. It is suitable for posts of 12 & 16 mm diameter.

Specifications:

- Bore size: 12 mm & 16mm to suit 12 & 16mm mm diameter standard posts.
- Post mounting: Posts are held in position by spring loaded thumbscrews.
- Material: Aluminum alloy and SS at the base.
- Finish: Black anodized mat finish.

Model No	Length (mm)	Outer Dia (mm)
PPH - 21	30	25
PPH - 22	40	25
PPH - 23	50	25
PPH - 24	75	25
PPH - 25	100	25
PPH - 26	150	25
PPH - 27	200	25
PPH - 28	250	25
PPH - 29	300	25





SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

PEDESTAL ADAPTERS FOR POST HOLDERS

These adapters are compatible with post holders and pedestal forks.

Specifications:

- Dai: 12, 16, 25 mm.
- Ground Finish.
- Material: Stainless Steel.
- Finish: Black Anodized.



Note: Posts, post holders, pedestal adapter & pedestal forks are sold separately.

Model No	Dia (mm)
PAPH - 30	12
PAPH - 31	16
PAPH - 32	25

FORK

Pedestal fork is used for clamping pedestal post holder at desired position on an optical breadboard.

Specifications:-

- Thickness: 9mm thickness.
- M6 C'bored slot.
- Material: Stainless steel.
- Finish: Hard chrome finish.



Model No	L x B(mm)
Fork - 33	65 x 40



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

Translating Post Holders

Translating post holder provides non – rotating height adjustment by a knurled rotatable ring.

Specification

- Holds 12 mm & 16 mm diameter standard posts.
- Height adjustment range: 15 mm.
- Material: Aluminum alloy.
- Finish: Black anodized finish.



Model No	Height (mm)
TPH – 34	75
TPH – 35	100
TPH – 36	150
TPH – 37	200
TPH – 38	250

Post Holder with Swivel Base

This series of miniature post holders features an attached swivel base offering a variety of mounting positions on Mini Breadboard. The post holder contains a spring-loaded frictional element that prevents the post from slipping down into the holder prior to final tightening of the thumbscrew. The bottom of the post holders has a pass-through design that provides for a maximum range of beam heights when assembling an optical system

Specifications:

- Material: Aluminum Alloy.
- Finish: Black Anodized.



Model No	Height (mm)
PHSB – 39	19
PHSB – 40	25
PHSB – 41	38
PHSB – 42	50
PHSB – 43	75
PHSB – 44	90
PHSB – 45	100



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

POST COLLAR

Collar for the posts allows convenient rotary adjustments of the posts inside post holders.

Specifications:

- Dia: \varnothing 12, 16 mm.
- Material: Aluminium alloy and Brass.
- Finish: Black anodized mat finish



Model No	Dia (mm)
PC - 46	12 & 16

POST BASE

Post bases can be used to mount post holders anywhere on the breadboards irrespective of the position of the tapped holes.

Mounting slots are suitable for M6 screws.

Specifications:

- Type of Post Bases: Square, U & H.
- Thickness: 9mm thickness
- Mounting holes: M6 clearance slots for mounting to breadboards. M6 tapped holes for mounting post holders.
- Material: Aluminum alloy.
- Finish: Black anodized mat finish.

Model No	Size
PB - 47	60mm x 25mm
PB - 48	60mm x 50mm
PB - 49	65mm x 25mm
PB - 50	65mm x 50mm
PB - 51	75mm x 25mm
PB - 52	75mm x 30mm
PB - 53	90mm x 30mm





SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

ROUND SLOTTED POST BASES

These post bases help to fix posts or post holders at a convenient horizontal angle on the breadboard. M6 C-bored holes. It is compatible with standard 12 & 16mm post holders.

Specifications:

- Type: Round & Square.
- Mounting holes: M6 clearance slots for mounting to breadboards.
- Material: Aluminium alloy.
- Finish: Black anodized mat finish.

Model No	Size (mm)
RSPB - 54	65 x 65
RSPB - 55	R 65
RSPB - 56	R 75



SWIVEL POST BASE

This is a 360 degree rotatable post base compatible with standard Post Holder (12 & 16mm). M6 C'bored hole. It is suitable for spatially restricted optical setup. We can directly mount post, post holder & pillar post.

Specifications

- Thickness: 12mm.
- 360 degree rotatable.
- M6 clearance slot.
- Material: Aluminium alloy.
- Finish: Black anodized mat finish.



Model No	Size (mm)
SPB - 57	70 x 30



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

XY POST BASE

This base provides coarse XY adjustment and can be compatible with PH series post holders of posts 12mm and 16 mm dia. These post bases can be adjusted through 25mm in XY direction. We can easily fix post holder using an M6x12 screw.

Specifications:

- Thickness: 16mm.
- M6 clearance slot.
- M6 & M4 C'bored holes.
- Material: Aluminium alloy.
- Finish: Black anodized mat finish.



Model No	Size (mm)
XY – PB - 58	90 x 65

MAGNETIC BASES

Magnetic base comes with a switch able magnet for the easy positioning of optical components. To ensure stability, bottom mounting surface has ground finish. M6 tapped holes are provided on top on 25 mm grid for component mounting.

Specifications:

- Size of mounting area: 65 mm x 50 mm.
- Magnetic clamping force: 10 kgs. Easy switching for clamping and release.
- Platform: Aluminium.
- Material: M.S.

Model No	Size (mm)
MB – 59	65 x 50
MB – 60	100 x 75
MB – 61	100 x 100





SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

SINGLE AXIS TILTING PLATFORMS

This platform is provided with tilt adjustment in one plane with the help of 80 tpi lead screw. M6 & M4 mounting holes are provided on the top of the platform.

Specifications:

- Material: Aluminium alloy/Brass.
- Finish: Black anodized mat finish.



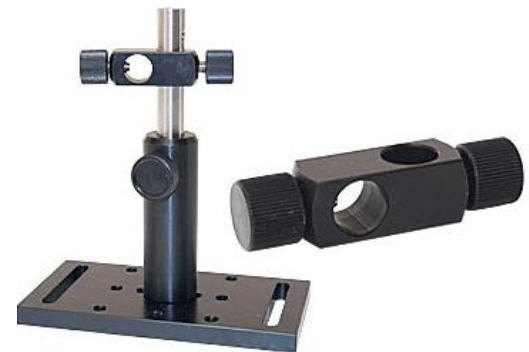
Model No	Size (mm)
SATP - 62	120 x 100
SATP - 63	100 x 75
SATP - 64	100 x 50

RIGHT ANGLE POST CLAMPS

This is a 360 degree rotatable post base compatible with our standard 16mm post holders. Right angle post clamps can be used to clamp two standard posts right angle to each other.

Specifications:

- H7 holes.
- M6 locking knobs
- Material: Aluminium alloy.
- Finish: Black anodized.



Model No	Diameter of the Post (mm)
RAPC - 65	12 & 16



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

SWIVEL TYPE POST CLAMPS

Swivel type post clamps can be used to achieve three degrees of freedom for post mounted components. There are models suitable for 12 mm & 16mm diameter standard posts.

Specifications:

- H7 hole.
- M6 tapped hole on bottom.
- M6 locking knob.
- Universal Design.
- Material: Aluminium alloy.
- Finish: Black anodized.



Model No	Diameter of the Post (mm)
SWTPC - 66	12 & 16

TOP END POST CLAMPS

Top end right angle post clamps can be used to clamp two 12 mm or 16 mm diameter posts at right angle to each other to achieve 'T' joint.

Specifications:

- H7 hole.
- M6 tapped hole on bottom.
- M6 locking knob.
- Material: Aluminium alloy.
- Finish: Black anodized.



Model No	Diameter of the Post (mm)
TEPC - 67	12 & 16



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

BALL AND SOCKET POST CLAMP

Ball and socket stages are used for rapid coarse alignment with full freedom of angular rotation. They consist of single screw locking mechanism to lock the rotation of the platform. These high precision tilt/rotation stages are useful for positioning cameras, optical microscopes, detectors, lighting systems, and targets.

Specification

- 360° continuous rotation
- Lockable Angular Positioning.
- Full $\pm 90^\circ$ and 360° Rotation.
- Rapid angular Positioning.
- Tilt up to ± 90 degrees in any direction and full 360 degrees of rotation.
- Single screw locking mechanism achieves a positive holding force that can support 10 Kg centralized load.
- Maximum Load Capacity: 5 kg.
- Mounting holes: M6 tapped holes of 25 mm grid on the platform
- Construction material: Aluminum alloy.
- Finish: Black Anodized.

Model No

BSPC - 68



TRANSLATING POST HOLDER

Translating post holder provides non - rotating height adjustment by a knurled rotatable ring.

Specifications:

- Height adjustment range: 16 mm.
- Minimum height without post: 75 mm.
- Maximum height without post: 90 mm.
- Holds 12 mm diameter standard posts.
- Material: Aluminium alloy.
- Finish: Black anodized.

Model No

TPH - 69





SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

PEDESTAL POST

These solid stainless steel pedestal posts of 25 mm diameter are available in various lengths.

Specification:

- M6 locking knobs.
- Material: Stainless steel.
- Finish: Black anodized.

Model No	Height (mm)
PS - 70	12
PS - 71	25
PS - 72	50
PS - 73	76
PS - 74	100



DAMPED HEAVY DUTY POST

These posts are made out of precision machined SS pipes. Space inside the pipe is filled with epoxy having vibration damping properties.

Specifications:

- Mounting holes: M6 tapped holes at both ends.
- Diameter: 38 mm.
- Material: Stainless Steel, SS 304.
- Finish: Precision machined.



Model No	Height (mm)
DHDP - 75	100
DHDP - 76	150
DHDP - 77	200
DHDP - 78	250
DHDP - 79	300
DHDP - 80	350
DHDP - 81	400
DHDP - 82	450
DHDP - 83	500
DHDP - 84	550
DHDP - 85	600



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

MOUNTING CLAMP WITH ADAPTER

These clamps are used for mounting components on a heavy duty post. M6 tapped holes are provided on the mounting surface.

Specification:

- M6 & M4 mounting holes.
- Construction: Aluminium alloy.
- Finish: Black anodized.



Model No

MCA - 86

EXTRA LARGE MOUNTING CLAMP

Large working surface of this clamp allows mounting of various components. The clamp can be positioned at various heights on a heavy duty post. By using suitable angle bracket, horizontal working platform can be achieved.

Specifications:

- Size: 115x115 mm, 120 x 120mm etc.
- M6 mounting hole are provided on the surface on 25 mm grid.
- Construction: Aluminium alloy.
- Finish: Black anodized.



Model No

Size (mm)

ELMC - 87

115 x 155

ELMC - 88

120 x 120



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, Webiste : www.scientificcomponents.com

RIGHT ANGLE BRACKET

Right angle bracket with M6 clearance slots can be fixed on a heavy duty post with the help of an adapter plate. The M6 mounting holes on the angle bracket serve the purpose of holding optical mounts at various heights on the post.

Specification:

- M6 mounting hole on the surface helps to fix various mounts on it.
- Construction: Aluminium alloy.
- Finish: Black anodized.



Model No	Size (mm)	Height (mm)
RAB - 89	75 x 85	75

DUAL ROD SYSTEM

Dual rod system is useful to mount heavy components and position them within 300 mm in vertical plane from the base.

The device consists of two damped heavy duty posts (Model DRS 137 – SS & AA) assembled using two aluminum plates at top and bottom. Bottom plate has M6 clearance slots to clamp it to optical breadboards and tables. The sliding member carries a mounting plate with M6 tapped holes.

Specification:

- M6 mounting hole on the surface helps to fix various mounts on it.
- Construction: Aluminium alloy & S.S.
- Finish: Black anodized.

Model No	Height (mm)
DRS - 90	300
DRS - 91	400
DRS - 92	500
DRS - 93	600





SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

BEAM STEERING DEVICE

Beam Steering Device makes use of vibration damped steel post for supporting mirror assemblies. The mirrors can be independently rotated and positioned along the axis which passes through the mirror centers.

There are two models Beam Steering Device & Beam Steering Device Translation (BSDT). The fine height adjustment facility for both mirror assemblies the height adjustment is achieved by a precision linear stage driven by 80 tpi lead screw.

Specification:

- 360° independent rotation for both optics hold.
- Compatible for prism and mirror.
- Compatible prism holder and mirror holder.
- Base mountable.
- Minimum Beam Height: 75mm.
- Maximum Beam Height: 400mm.
- Kinematic tilt of the optics: By 80 tpi lead screws.
- Tilt range for mirrors: $\pm 3^\circ$.
- Material: Aluminum alloy and stainless steel.
- Finish: Black anodized.



Model No	Optics Size
BSD - 94	Ø 25 mm
BSD - 95	Ø 50 mm



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

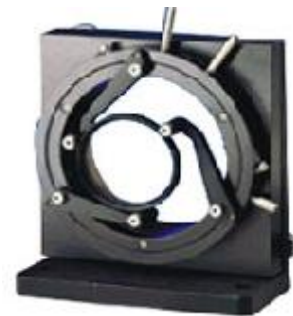
E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

SELF CENTERING JAW CLAMP

The kinematics mount has an angled base, to allow fastening by either 1/4-20 cap screws or un-fastened for stand-alone use. Locking screw allows jaw position to be fixed to secure against accidental movement. Mount features precise kinematics pivot movement (two-axis tilt) with orthogonal three-point suspension. Adjustment is made by three 64 pitch screws. Construction is black anodized aluminum.

Specification

- Jaw Clamp Mounts Alone (1/4-20) or to Kinematics Frame.
- Accepts up to 4-1/4" Diameters.
- Fine Angular Resolution Kinematics.
- Material: Aluminium Alloy.
- Finish: Black Anodized.



Model No

SCJW - 96

OPTOMECHANIC KITS/ MECHANICAL ESSENTIAL KITS

These mechanical essential kits provide the user with a variety of useful tools for opto-mechanical setups, including such necessities as post, post bases, pillar collars, post clamps etc. All items are kept in a labelled container for safe storage

Specifications:

- Imperial and Metric Kits.
- 12mm post system.
- Kit Contains 185 components.
- Clear Labels with Product Icons Provide for Quickly Locating Desired Parts.





SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

Model No	Description	Qty
OMK - 97	12mm dia post - 30mm long	10 Nos.
OMK - 97	12mm dia post - 40mm long	10 Nos.
OMK - 97	12mm dia post - 50mm long	10 Nos.
OMK - 97	12mm dia post - 70mm long	10 Nos.
OMK - 97	12mm dia post - 100mm long	10 Nos.
OMK - 97	12mm dia post - 150mm long	5 Nos.
OMK - 97	Post holder for 12mm dia post-30mm long	10 Nos.
OMK - 97	Post holder for 12mm dia post-50mm long	10 Nos.
OMK - 97	Post holder for 12mm dia post-75mm long	10 Nos.
OMK - 97	Post holder for 12mm dia post-100mm long	10 Nos.
OMK - 97	Post holder for 12mm dia post-150mm long	5 Nos.
OMK - 97	Post base (65 x 25)	10 Nos.
OMK - 97	Post base (75 x 25)	10 Nos.
OMK - 97	Post base (65 x 50)	10 Nos.
OMK - 97	Right Angle Post Clamp, Dia of post 12mm	10 Nos.
OMK - 97	Swivel Type Post Clamp, Dia of post 12mm	5 Nos.
OMK - 97	L Shaped Table Clamp	10 Nos.
OMK - 97	Post collar	15 Nos.
OMK - 97	Pedestal Adapter for Post holder	5 Nos.
OMK - 97	Pedestal fork for Pedestal Adapter	10 Nos.



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

POSTS & ACCESSORIES ESSENTIALS KIT

The Posts and Accessories Essentials Kit contains all of our $\varnothing 0.5$ inch posts. Right angle clamps, swivel clamps and V-clamps are included so that a wide variety of mounting orientations may be achieved. This kit is ideally complemented with the Bases and Post Holders Essential Kit.

Specifications:

- Imperial and Metric Kits.
- Kit Contains 98 Pieces.



Model No

PAEK - 98



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

KINEMATIC PLANE MIRROR MOUNT

Front surface of the mount is plane. Optics can be fixed to the front surface of the mount by adhesive. Plane mirrors are available in two types. One type will have translation in addition to tilting. This type of mount will have three lead screws. Two of them for tilting and third one for translation.

Specification:

- Post mountable.
- Adjustment range in two planes: ± 3 degree.
- Fine adjustment: Driven by 80 tpi lead screws or micrometer.
- Sensitivity: 20 arc sec. (Lead screws covered for the protection from dust)
- Mounting: The device can be mounted by using standard post having M6 tapped hole.
- Construction: Aluminium alloy and Brass.
- Finish: Black anodized.



Model No.	Optics Size (mm)
KPMM - 01	25
KPMM - 02	38
KPMM - 03	50
KPMM - 04	75
KPMM - 05	100



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

KINEMATIC MOUNT FOR RECTANGULAR OPTICS

This mount can be used to position square and rectangular optics. Mirror/Beam splitter is held in front surface of the mount in a stepped bore by nylon tipped grub screw.

Specification

- Optics held by Aluminium pad.
- Post mountable.
- Tilting Range: ± 3 degree.
- Fine adjustment: Driven by 80 tpi lead screws or micrometer.
- Sensitivity: 20 arc sec. (Lead screws covered for the protection from dust)
- Construction: Aluminium alloy and Brass.
- Finish: Black anodized.



Model No.	Optics Size (mm)
KMRO - 06	25
KMRO - 07	38
KMRO - 08	50
KMRO - 09	75
KMRO - 10	100



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

KINEMATIC MIRROR MOUNT FOR CIRCULAR OPTICS

Optics can be held in front surface of the mount in a stepped bore by nylon tipped grub screw.

Specification

- Post mountable.
- Tilting Range: ± 3 degree.
- Fine adjustment: Driven by 80 tpi lead screws or micrometer.
- Sensitivity: 20 arc sec. (Lead screws covered for the protection from dust)
- Construction: Aluminium alloy & Brass.
- Finish: Black anodized.



Model No.	Optic Size (mm)	Drive	Translation
KMMCO - 11	25/1"	25	21
KMMCO - 12	38/1.5"	25	21
KMMCO - 13	50/2"	25	24
KMMCO - 14	75/3"	25	28
KMMCO - 15	100/4"	25	28



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

MIRROR HOLDER

The Mirror Holder can be used to mount 25 mm mirrors with thicknesses from 2.5 mm to 6 mm. The clear aperture of the mirror holder is 24 mm.



CLAMPING ARM

The clamping arms offer roughly 25 mm and 41 mm of vertical travel respectively.

Model No.	Thickness (mm)
MH - 16	25
MH - 17	50

Specifications

- Brass Thumbscrew Securely Clamps Arm in Position
- Material: Aluminum Alloy.
- Finish: Black Anodized.



Model No.
CA - 18



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

GIMBAL MIRROR MOUNT

Scientific Components Gimbal mirror mounts provide 360 degree coarse positioning in two axes about the mirror surface in addition to fine adjustments. The device can be either base mounted or post mounted. Optics held in position by a threaded ring inside a threaded bore of the device.

Specification

- Coarse Adjustment range: 360 degree polar & azimuth rotation.
- 6 degree of fine movement.
- Rotating axis lay on mirror plane.
- Various selection of drives.
- M6 clearance Slots.
- M6 C'bored hole for mounting standard optic mounts.
- Fine adjustment: +/- 2 degree by 80 tpi lead screws.
- Sensitivity: 20 arc sec. Lead screws covered for the protection from dust.
- Construction: Aluminium alloy & Brass.
- Finish: Black anodized.



Model No	Optic Size (mm)
GMM – 19	25
GMM – 20	50
GMM - 21	75



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

GIMBAL MIRROR MOUNT FOR LARGE OPTICS

This large type Gimbal mirror mount can hold 4 to 6 inch optics and provides 360 degree coarse positioning in two axes about the mirror surface in addition to fine adjustments. The device is base mounted. Optics held in position by a threaded ring inside a threaded bore of the device. A large aperture in the base allows light to pass through.

Specification

- 6 degree of fine movement.
- Rotating axis lay on mirror plane.
- Various selection of drives.
- M6 clearance Slots.
- M6 C'bored hole for mounting standard optic mounts.
- Coarse Adjustment range: 360 degree polar & azimuth rotation.
- Fine adjustment: +/- 2 degree by 80 tpi lead screws.
- Sensitivity: 4 arc sec.
- Construction: Aluminium alloy.
- Finish: Black anodized.



Model No	Optic diameter
GMMLO – 22	100 mm
GMMLO – 23	125 mm
GMMLO – 24	150 mm
GMMLO - 25	200 mm



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

GIMBAL MOUNTS

The Gimbal mounts for 1 inch & 2 inch optics. The adjustment knobs are located on the top surface of the mount, making them easily accessible even if the mount is integrated into an optical cavity. They provide excellent angular positioning performance.

Specifications

- Maximum Optics thickness: 16 mm.
- Angular displacement: 0.35° (for 1 inch) & 0.2° (for 2 inch) per revolution.
- Angular Range: $\pm 2.5^\circ$ (for 1 inch) & $\pm 2.0^\circ$ (for 2 inch).
- Material: Aluminum Alloy & Brass.
- Finish: Black Anodized.



Model No	Optic Size
GM - 26	25.4 mm
GM - 27	50.8 mm



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

KINEMATIC BEAM SPLITTER MOUNT

Optics held in front surface of the mount in a stepped bore by nylon tipped grub screw.

Specification

- Adjustment range in two planes: +/- 3degree.
- Fine adjustment: By 80 tpi lead screws.
- Sensitivity: 20 arc sec. (Lead screws covered for the protection from dust)
- Construction: Aluminium alloy.
- Finish: Black anodized.



Model No.	Optic Size (mm)
KBSM - 28	25
KBSM - 29	38
KBSM - 30	50
KBSM - 31	75



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

KINEMATIC BEAM SPLITTER MOUNT WITH TRANSLATION

In these models there are three adjustments screws, two for tilt control and one for translation.

Specification

- Adjustment range in two planes: +/- 3degree.
- Fine adjustment: By 80 tpi lead screws.
- Sensitivity: 20 arc sec. (Lead screws covered for the protection from dust)
- Construction: Aluminium alloy.
- Finish: Black anodized.



Model No.	Optic Size (mm)
KBSMT – 32	25
KBSMT – 33	38
KBSMT – 34	50
KBSMT – 35	75



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, Webiste : www. scientificcomponents.com

KINEMATIC BEAM SPLITTER MOUNT WITH MAXIMUM APERTURE

Optics held in front surface of the mount in a stepped bore by nylon tipped grub screw. Clear aperture for holding optics will be only for 250-270 degree instead of 360 degree.

Specification

- Clear aperture for holding optics will be only for 250-270 degree instead of 360 degree.
- One side will be open.
- Adjustment range in two planes: +/- 2 degree.
- Fine adjustment: By 80 tpi lead screws.
- Sensitivity: 20 arc sec. (Lead screws covered for the protection from dust)
- Construction: Aluminium alloy.
- Finish: Black anodized.



Model No.	Optic Size (mm)
KBSMMA - 36	25
KBSMMA - 37	38
KBSMMA - 38	50
KBSMMA - 39	75



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

CUBE / PRISM MOUNT – KINEMATIC PLATFORM MOUNT

Prism or cube can be placed on top of the plane surface of this mount with the help of adhesive. Kinematic platform mount are available for up to 90 mm size. M6 and M4 tapped holes are provided on a 12.5mm grid for mounting various optical or opto-mechanical components over the platform. M6 tapped holes are provided at the back plate of kinematic platform for post mounting applications (2 vertical positions and 1 horizontal position are possible). Suitable Prism Clamps are provided along with each kinematic platform.

Specification

- Various selections of drives.
- Translation Range: 6mm.
- Adjustment range in two planes: ± 2 degree adjustable.
- Mounting Orientation: Vertical & Horizontal
- Sensitivity: 4 arc sec.
- Drive: Micrometer/Knob.
- Fine adjustment: By 80 tpi lead screws having dust protection.
- Mounting hole: M6 tapped hole provided at the base for post mounting.
- Construction: Aluminium alloy.
- Finish: Black ano



Model No.	Optics Size	Type
C/PM – KPM – 40	25	Plane Surface/Single Post/ Dual Post
C/PM – KPM – 41	50	Plane Surface/Single Post/ Dual Post
C/PM – KPM – 42	75	Plane Surface/Single Post/ Dual Post



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

KINEMATIC PLATFORM MOUNT SIDE DRIVE

Optics held in position by nylon tipped clamp which slides on a 6 mm post fixed to the corners of the mount. The device can be mounted by using standard post having M6 tapped hole and in the dual post clamping, there are two 6mm post fixed to the corners of the mount.

Specification

- Post mountable.
- Various selection of drives.
- Angular Tip/Tilt: ± 3 degree.
- Mounting Hole: M6.
- Drive: Micrometer/Knob.
- Sensitivity: 4 arc sec.
- Mounting Orientation: Vertical & Horizontal
- Material: Aluminium alloy.
- Finish: Black anodized.



Model No	Optics Size
KPMSD - 43	25
KPMSD - 44	50
KPMSD - 45	75



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

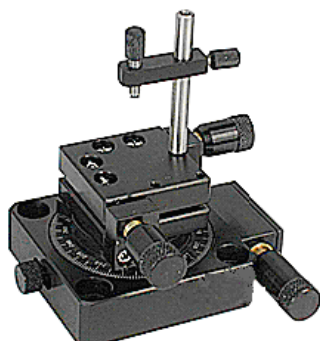
E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

CUBE/PRISM MOUNT WITH TILT AND ROTATION - PLANE SURFACE TYPE

Scientific Components C/PM 145 - TR - PST - AA series prism /cube mounts have three degrees of freedom, two tilt and one rotation. M6 tapped holes are provided at the base for post mounting or direct breadboard mounting using suitable base plates. Prism or cube can be placed on the top of the plane surface of this mount.

Specification

- Tilt adjustment range: ± 2 degree.
- Rotary adjustment range: ± 3 degree.
- 360 degree azimuth rotation.
- Various selections of drives.
- Various type of clamping methods.
- M6 C'bored Holes.
- Base mountable
- Fine Rotation: 6 degree.
- Sensitivity: 20 arc sec.
- Fine adjustment drive: 80 tpi lead screws for all the three axes.
- Construction: Aluminium alloy & Brass.
- Finish: Black anodized.



Model No	Max. Optic Size (mm)
C/PM - TR - PST - 46	25
C/PM - TR - PST - 47	50



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

RIGID MIRROR MOUNT

Lens is held in position by threaded rings inside a threaded bore of the device. Nylon washers which are provided with the mount can be used for the protection of the optics. Rigid mirror mounts are post mountable.

Specification

- Rigid in construction.
- Post mountable.
- 0.5" to 3" optics mounts are available.
- **Mounting:** The lens mount can be mounted by using standard post having M6 tapped hole.
- **Construction:** Aluminium alloy.
- **Finish:** Black anodized.



Model No	Optic Size (mm)
RLM - 48	12.5
RLM - 49	25
RLM - 50	38
RLM - 51	50
RLM - 52	75

Note: Accessories like post, post holders, post base etc. used for fixing the mount on the breadboard should be purchased separately.



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

RIGID LENS MOUNT FOR LARGE OPTICS

Lens is held in position by Teflon washers and screws. These lens mounts are base mountable.



Model No.	Optic Size (mm)
RLM – LO - 53	100
RLM – LO - 54	150
RLM – LO - 55	200
RLM – LO - 56	250



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

HEIGHT ADJUSTABLE LENS MOUNT

Lens is held between nylon tips having angular grooves. This nylon tips provide protection of optics. Lenses of various sizes can be mounted with the help of this mount.

Specification

- 3 point design.
- Up to 3" optics mountable.
- Post mountable.
- Mounting: The lens mount can be mounted by using standard post having M6 tapped hole.
- Construction: Aluminium alloy.
- Finish: Black anodized.



Model No	Optic Dia (mm)
HALM - 57	25
HALM - 58	50
HALM - 59	75



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

ADJUSTABLE LENS MOUNT

The lens is held between nylon tips having angular grooves. This nylon tips provide protection of optics. Lenses of various sizes can be mounted with the help of this mount. Note that this mount is not self centering.

Specification

- Mounting: The lens mount can be mounted by using standard post having M6 tapped hole.
- Construction: Aluminium alloy.
- Finish: Black anodized.



Model No:	Max. Optic Dia (mm)
ALM - 60	25
ALM - 61	50

Note: Accessories like post, post holders, post base etc. used for fixing the amount on the breadboard should be purchased separately.



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

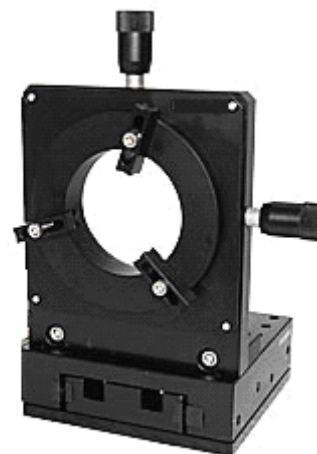
E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

XYZ ADJUSTABLE LENS MOUNT

XYZ adjustable lens mount consists of precision XYZ stage with provision for mounting optics. Lens is held between nylon tips having angular grooves. This nylon tips provide protection of optics. Lenses of various sizes can be mounted with the help of this mount.

Specification

- Travel: 50 mm for X axis, 10 mm for Y & Z axes.
- Drive for X axis: 0.5 mm pitch lead screw.
- Drive for Y & Z axes: 80 tpi lead screw.
- Drive: lead screw.
- Optics rest in nylon groves.
- Up to 2" optics can be mounted.
- M6 C'bored holes.
- Base mountable.
- Construction: Aluminium alloy & stainless steel construction.
- Finish: Black anodized.



Model No	Optic Dia (mm)
XYZ – ALM - 62	25
XYZ – ALM - 63	50
XYZ – ALM - 64	75



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

SELF CENTERING LENS MOUNT

Self-centering lens mounts are suitable for experiments where frequent replacements of lenses are needed. The lens is held using three spring loaded calipers. The calipers are released by two levers projecting from the mount. The lens is held in position by spring pressure and can be locked in position by a knob. The device is post mountable with M6 tapped hole at the base.

Specification

- The lens holding portion of the caliper is made in nylon for the protection of optics.
- Self aligned jaws.
- M6 Mounting hole.
- Post mountable.
- Up to 2" optics can be mounted.
- Mounting: The device can be mounted using standard posts having M6 tapped holes.
- Material: Aluminium alloy
- Finish: Black anodized.



Model No	Max. Optic Dia (mm)
SCLM - 65	6-26
SCLM - 66	25-51
SCLM - 67	50-76



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

FOCUS ADJUSTABLE LENS MOUNT

This focus adjustable lens mount is used to adjust the focus of the lens by the backward and forward linear motion of the lens mounted in it. The focal adjustment is done by rotating focusing head provided on the mount without the rotation of lens in it. Lens is held in position by threaded rings inside a threaded bore of the device.

Specification

- Fine travel ranges: 10mm.
- Adjustment Range: 15mm.
- Optics held by threaded rings.
- Up to 2" optics can be mounted.
- Compatible to RLM Series Mounts.
- Graduations are provided on the mount for position reference.
- Material: Aluminium alloy.
- Finish: Black Anodized.



Model No	Optic Dia (mm)
FALM - 68	25
FALM - 69	50



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

XYZ LENS MOUNT

This XYZ lens mount consists of focus adjustable mount in X axis (our model no FA-LM series) and translation movement in Y and Z axes.

Specification

- YZ travel range 4mm.
- X travel 10mm.
- Optics held by threaded rings.
- Up to 2" optics can be mounted.
- M6 mounting holes.
- Post mountable.
- Material: Aluminium alloy & stainless steel construction.
- Finish: Black anodized.



Model: XYZ - LM - 25

- Travel: 10 mm for X axis (focus adjustable), 6 mm for Y & Z axis (linear translation).
- Drive for Y & Z axes: 80 tpi lead screws.
- Material: Aluminium alloy.
- Finish: Black Anodized.

For Model: XYZ - LM - 50

- Travel: 10 mm for X axis (focus adjustable), 10 mm for Y & Z axis (linear translation).
- Drive for Y & Z axes: 80 tpi lead screws.
- Material: Aluminium alloy.
- Finish: Black anodized.

Model No	Optic Dia (mm)
XYZ - LM - 25 - 70	25
XYZ - LM - 50 - 71	50



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

CYLINDRICAL LENS MOUNT

This CLM Series is suitable for rectangular or square cylindrical lenses. These can be used to mount lenses up to 50mm.

Specification

- Post Mountable.
- M6 Mounting holes.
- Optics held on rubber pad.
- Suitable for rectangular / square cylindrical lens.
- Mounting: The device can be mounted using standard posts having M6 tapped holes.
- Material: Aluminium Alloy.
- Finish: Black anodized.



Model No	Max. Optic Height (mm)
CLM - 72	15
CLM - 73	26
CLM - 74	52

Note: Accessories like post, post holders, post base etc used for fixing the mount on the breadboard should be purchased separately.



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, Webiste : www.scientificcomponents.com

YZ LENS MOUNT

This YZ lens mount consists of linear adjustable mount on YZ axis.

Specifications

- YZ travel range 4mm.
- Optics held by threaded rings.
- Up to 2" optics can be mounted.
- M6 mounting holes.
- Post mountable.
- Material: Aluminium alloy, S.S. & Brass.
- Finish: Black anodized.



Model No	Optic Size
YZ - LM - 75	25
YZ - LM - 76	50



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

SQUARE FILTER HOLDERS

Square filter holders can hold filters up to 3 mm thickness. The filters are held in position by leaf springs. Square filter holder can hold a single filter at a time and can be stacked for multiple filter assembly. When two or more filter holders are ordered at a time, bolts and nuts suitable for stacking up to 4 filter mounts are supplied along with holders.

Specification

- Suitable for rectangular/Square Filters.
- Quick removal of filters.
- Optics held by leaf springs.
- Up to 6 filters mount are stackable.
- M6 mounting holes.
- Post mountable.
- Mounting: The device can be mounted using standard posts having M6 tapped holes.
- Finish: Black anodized.



Model No	Size (mm)
SFH - 77	25
SFH - 78	50

Note: Accessories like post, post holders, post base, screws, nuts etc used for fixing the mount on the breadboard should be purchased separately.



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

RECTANGULAR FILTER HOLDERS

Rectangular filter holders can be used to hold filters/plates up to 3 mm thickness. The filter is held in a groove by two thumb screws. Rectangular filter holders can hold a single filter at a time and can be stacked for multiple filter assembly. In this case, projecting thumb screws should be replaced by nylon tipped grub screws.

Specification

- Suitable for rectangular / square filters.
- Optics held nylon tipped set screw.
- Up to 6 filters mount are stackable.
- M6 mounting holes.
- Post mountable
- Mounting: The base of the device has M6 tapped hole for post mounting.
- Material: Aluminium alloy & Brass.
- Finish: Black anodized.



Model No
RFH - 79
RFH - 80

Note: Accessories like post, post holders, post base, screws, nuts etc used for fixing the mount on the breadboard should be purchased separately.



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

FILTER WHEEL

Filter Wheel Model - FW-1 can hold 6 filters / filter cells) 1 inch dia) at a time. Filters / filter cells are held by threaded ring. The wheel can be locked in position after setting.

Filter Wheel Model - FW-2 can hold 12 filters / filter cells at a time, 6 on each side. Filters / filter cells are held by threaded ring. The wheel can be locked in position after setting.

Specification

- Up to 12 filters can be hold.
- 3 Pointed spring loaded balls.
- Filters held by threaded rings.
- M6 mounting hole.
- Post mountable.
- Filter / Filter cell size: 25mm (1") Dia.
- Material: Aluminium alloy.
- Finish: Black anodized.



Model No	Optics Diameter	No. Threads Hole
FW - 81	12.5 mm	6
FW - 82	12.5 mm	12
FW - 83	25mm	6
FW - 84	25mm	12



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

POLARIZER ROTATOR MOUNT

This mount is suitable for sheet polarizer. It can be rotated and locked at desired position.

Specification

- Adjustment: 360 degree rotatable.
- Resolution through circular scale: 1 degree resolution.
- Up to two polarizer can be rotated.
- Up to 6mm thick polarizer can be mounted.
- Optic held by threaded rings.
- 0.5 inch/ square adapters are available.
- Post Mountable.
- Mounting: M6 mounting Hole.
- Material: Aluminum Alloy.
- Finish: Black anodized.



Model No	Optic Size (mm)
PRM - 85	25
PRM - 86	50

Note: Accessories like post post holders; post base etc used for fixing the mount on the breadboard should be purchased separately.



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

PRECISION POLARIZER MOUNTS

Precision rotary adjustments are possible with this mount. Plate/sheet polarizer are held between two threaded rings inside a threaded bore. For other shapes, adapters have to be used.

Specification

- Compatible adapters are available.
- Coarse to fine changing knob.
- Up to two polarizer can be rotated.
- Optic held by threaded rings.
- Post mountable.
- Adjustment: 360 Degree Coarse movement.
- Fine adjustment range: ± 4 degree fine rotation.
- Fine adjustment drive: Driven by micrometer /80 tpi lead screw.
- Sensitivity: 20 arc sec.
- Resolution through circular scale & vernier: 0.1 degree resolution.
- Thickness: Up to 6mm thick polarizer can be mounted.
- Mounting: The device can be post mounted. M6 tapped hole is provided at the base for post mounting.
- Material: Aluminum alloy.
- Finish: Black anodized finish.



Model No	Optic size(mm)	Resolution	Drive
PPM - 87	25	0.2 degree	Micrometer
PPM - 88	25	0.2 degree	Lead screw
PPM - 89	50	0.1 degree	Micrometer
PPM - 90	50	0.1 degree	Lead screw



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

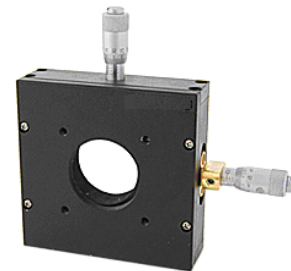
E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

XY PINHOLE MOUNT/XY OBJECTIVE MOUNT

Scientific Components XY pinhole mount makes use of a spring loaded plain bearing system for fine adjustments. Standard cell mounted pinholes are fixed inside the mount by threaded ring. The device can be post mounted. For post mounting, standard post with M6 tapped hole can be used.

Specification

- 3mm travel in X&Y direction.
- 20 arc sec. sensitivity.
- Plane bearing system.
- Fine adjustment range: 3 mm (X & Y axis.).
- Fine adjustment drive: 80 tpi lead screw.
- Material: Aluminium alloy and stainless steel.
- Finish: Black anodized.



Model No

XYPHM / XYOM - 91

Note: Accessions like pinhole, post, post holders, post base etc used for fixing the mount on the breadboard should be purchased separately.



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

PRECISION PIN HOLE

- Ideal for building spatial filters.
- Precision Pinhole fabricated from virtually nonmagnetic stainless steel.
- 12.5µm thickness at aperture.
- 1" outer diameter.
- Aluminium Housing.



Model No.	Pinhole Diameters	Diameter Tolerance	Thickness
PPH-92	5µm	1 µm	12.5 µm
PPH-93	10 µm	1 µm	12.5 µm
PPH-94	15 µm	1.5 µm	12.5 µm
PPH-95	20 µm	2.0 µm	12.5 µm
PPH-96	25 µm	2.0 µm	12.5 µm
PPH-97	30 µm	2.0 µm	12.5 µm
PPH-98	50 µm	2.0 µm	12.5 µm
PPH-99	75 µm	3.0 µm	12.5 µm
PPH-100	100 µm	4.0 µm	12.5 µm
PPH-101	150 µm	6.0 µm	12.5 µm

HIGH-POWER PRECISION PINHOLES

These high-power precision pinholes are designed to withstand high power densities, up to 10 W/mm² (10 W/cm²) for CW lasers. These are designed to be used with the beam incident on the gold-plated side. We recommend aligning the pinhole at low power, increasing the laser to full power after ensuring good throughput.

- Precision Copper Pinholes, Gold-Plated One Side, Flat Poly Black
- 25 µm Thickness at Aperture
- Aluminum Housing with 1" Outer Diameter.





SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

HIGH-POWER PRECISION PINHOLES

These high-power precision pinholes are designed to withstand high power densities, up to 10 W/mm^2 (10 W/cm^2) for CW lasers. These are designed to be used with the beam incident on the gold-plated side. We recommend aligning the pinhole at low power, increasing the laser to full power after ensuring good throughput.

- Precision Copper Pinholes, Gold-Plated One Side, Flat Poly Black
- 25 μm Thickness at Aperture
- Aluminum Housing with 1" Outer Diameter.



Model No.	Pinhole Diameters	Diameter Tolerance	Thickness
HPPPH-102	10 μm	1 μm	25 μm
HPPPH -103	25 μm	2.0 μm	25 μm
HPPPH -104	50 μm	3.0 μm	25 μm

LARGE PRECISION MIRROR MOUNT

- Rock solid mounting.
- Dimensions: +0.2mm
- Larger Sizes available upon request.
- Dual Fine/Ultra Fine angular adjustment.
- Sensitive <3 arc sec.
- Angular adjustment:
- Mirror Diameter : 4,6,8,10 inches.
- Material: Casting Aluminium.
- Finish: Black Anodized and Painted.



Model No.	Mirror Dia (inches)
LPMM - 105	4
LPMM - 106	6
LPMM - 107	8
LPMM - 108	10



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

BEAM STEERING DEVICE

- 75mm minimum beam height.
- 400mm max beam height.
- 360 degree independent rotation.
- 10mm fine movement for BSD.
- Adjustment by 80 TPI lead screws.
- Compatible for prism and mirror.
- Compatible prism holder and mirror holder.
- Base mountable.
- Aluminum alloy and stainless steel.
- Black anodized finish



Model No	Max Height (mm)	Min. Height (mm)
BSD - 109	400	75



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

SPATIAL FILTER MOUNT

Fine XY adjustment facility provided for both objective and pinhole. Pinhole assembly is detachable and can be inserted after aligning objective with other optics for spatial filtering. The distance between the objective mount and pinhole mount can be varied from 30 mm to 50 mm to accommodate various objective sizes.

Model No

SFM - 110



Note: Pinholes and microscope objectives are sold separately.

IRIS DIAPHRAGM

Iris Diaphragm is used generally for Laboratory applications.

- Lever: Steel
- Material: Aluminium.



Model No	Max Height (mm)	Min. Height (mm)
ID - 111	12/0.8mm	5mm
ID - 112	25/0.8mm	5mm
ID - 113	37/1.2mm	6mm
ID - 114	50/2mm	7mm



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

Flip Mirror Mount

Feature:

- Kinematic design.
- Flip optics in and out of the experiment.
- Precise and handy angular adjustment in two orthogonal planes.
- Stable vertical mounting

The Flip Mirror Mount to place optics in and out of the optical scheme. Flip the platform out and back again, and it sits on the driving screws in a repeated position. Precise alignment of various optical elements to desired angles is done by 2 driving screws. 3 seats form 3 kinematic points for definite position of the platform. These seats are of hardened steel – increasing the service life, as they are countering the hardened steel tips of driving screws and the flipping pivot balls. Flip mirror mount has a 1" mounting hole with $\varnothing 24$ mm clear aperture. A fixing screw secures the optics against 2 contact lines, which make 2 contact points. To prevent damage to the optics, the tip of the fixing screw is made of plastic. On one side the edge of the optics stays clear. So you can use the optics close to the edge in schemes where you work with a beam very closely situated to another beam.

Specification

- Optics Diameter: 25mm.
- Clear aperture: 24mm.
- Repeatability: 20 μ rad.
- Adjustment range: 8 degree.
- Sensitivity: 3 arc sec.
- Fine screw thread: M6 X 0.25
- Wright: 0.09 kg.
- Material: Aluminum alloy.
- Finish: Black anodized.



Model No	Optics Size
FMM – 115	12.5 mm
FMM – 116	25 mm
FMM – 117	50 mm

Note: The custom dimensions are available upon request beside standard size.



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

LINEAR TRANSLATION STAGE

The linear translation stage is made for adjustment tasks in smallest areas. With an edge measuring only 35 mm, it provides a complete travel range of 5 mm. The LTS is supplied with fine-pitch lead screw or a graduated micrometer .It can bear equally large loads in both directions thanks to forced return travel of the slide. Adapter plates, angle brackets and base plates allow additional assembling possibilities. Therefore, a multitude of applications are possible.

Specification:

- Size: 35 mm x 35 mm; 50 x 50mm; 65 x 65mm, 90 X 65mm & 90 x 90mm available.
- Travel: 5, 10, 15 & 25mm.
- Drive: Micrometer / Lead screw.
- Configuration type: X, XY & XYZ axis.
- Precision ball guideway
- Mounting holes on the top surface: M4 tapped holes.
- Straight-line accuracy: ± 1 microns.
- Material: Aluminum alloy.
- Finish: Black anodized.



Model No.	Travel	Size	Drive	Load Capacity (kg)
LTS - 01	5 mm	35 mm x 35 mm	Micrometer/ Lead Screw	X (3), Y (3) & XYZ (0.5) axis
LTS - 02	10 mm	50 mm x 50 mm	Micrometer/ Lead Screw	X (5), Y (5) & XYZ (2) axis
LTS - 03	15 mm	65 mm x 65 mm	Micrometer/ Lead Screw	X (15), Y (15) & XYZ (5) axis
LTS - 04	25 mm	90 mm x 65 mm	Micrometer/ Lead Screw	X (8), Y (6) & XYZ (4) axis
LTS - 05	25 mm	90 mm x 90 mm	Micrometer/ Lead Screw	X (10), Y (6) & XYZ (4) axis

Accessories Sold Separately

Base Plate



Angle Bracket



Adapter Plate





SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

SIDE DRIVE TRANSLATION STAGE

These types of translation stages have the drive micrometer by the side so that overall length comes down. These stages are commonly used where there is space limitation. All other features are similar to our standard TS series stages.

Specification:

- Size: 50x50mm to 90x90mm available.
- Range: 10-25mm range available.
- Load Capacity: 8 kg vertical load capacity.
- Modular Design: Stages are modular in design and construction. Two or more stages can be assembled to obtain multi-axes configurations.
- Mounting holes: M6 tapped holes are provided on top on 25 mm grid for mounting components. M6 C'bored holes are provided on base for mounting to other stages, breadboards or base plates.
- Light in weight.
- Precision roller and balls.
- Drive: Micrometer / Lead screw.
- Multi axes configurable available.
- Material: Aluminium alloy.
- Finish: Black anodized.



Model No.	Size	Drive
SDTS - 06	50 mm x 50 mm	Micrometer/ Lead Screw
SDTS - 07	65 mm x 65 mm	Micrometer/ Lead Screw
SDTS - 08	90 mm x 65 mm	Micrometer/ Lead Screw
SDTS - 09	90 mm x 90 mm	Micrometer/ Lead Screw

Accessories Sold Separately

Base Plate



Angle Bracket





SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

VERTICAL TRANSLATION STAGES

Vertical movement is obtained by activating a spring-loaded cam by micrometer head. Rolling contact guide ways using crossed rollers are employed for friction and stick-slip free translation. These guide ways are factory preloaded to eliminate play and wobble. There are tapped holes on top and clearance slots on base for mounting. The stage is constructed from aluminum alloy and finished by black anodizing.

Specification:

- Travel: 5, 10 & 25 mm.
- Load Capacity: 2 kg Vertical load capacity.
- Built with mounting holes.
- M6 mounting slots and holes.
- Light in weight.
- Drive: Micrometer.
- Material: Aluminium alloy.
- Finish: Black anodized.



Model No.	Travel Range (mm)
VTS – 10	5
VTS – 11	15
VTS – 12	25

Accessories Sold Separately

Base Plate



Angle Bracket



Adapter Plate





SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

XYZ TRANSLATION STAGE

The XYZ Translation Stages have a 25mm translation stage. The modular design allows for quick XZ or XYZ configuration as the application requirements develop. These stages are also easily reconfigured from right-handed to left-handed use. Two- and three-axis stages can be made from any combination of manual and motorized stages.

Specifications:

- Travel Range: 25 & 50 mm.
- Bearing Type: Ball on Hardened V-Grooves.
- Load Capacity: 10 kg.
- Built with mounting holes.
- Type: Drive Micrometer.
- Mounting holes: M6 x 1.0 mounting holes.
- Mountable base.
- Light in weight.
- Repeatability: 0.002mm.
- Multi axis configurable.
- Material: Aluminum Alloy.
- Finish: Mat Black.



Model No.	Travel (mm)
XYZ - TS - 13	25
XYZ - TS - 14	50

Accessories Sold Separately

Base Plate



Angle Bracket



Adapter Plate





SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

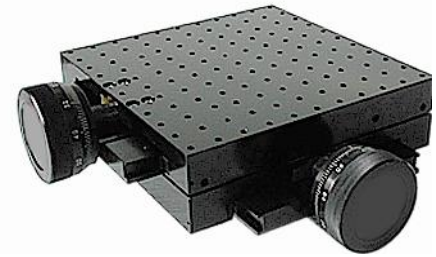
E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

HEAVY DUTY XY TRANSLATION STAGE

These are heavy duty XY translation stage provide linear motion in X and Y directions with heavy loads. Guide ways with rolling contact bearings having crossed rollers and precision ground guide rods are used to minimize friction and stick-slip. The guide ways are factory preloaded to eliminate play and wobble. Standard stages have slots for M6 screws at the base for mounting to supporting platform. Crossed roller based linear guides are used for achieving precision linear motion.

Specification:

- **Drive:** Ground lead screw with graduated knob.
- **Straight-line accuracy:** 10 microns.
- **Repeatability:** 2 microns.
- **Material:** Aluminium Alloy.
- **Finish:** Black Anodized.



Model No:	Length x Width x Height	Travel in both axis	Load Capacity (Kg)
HD- XY – TS – 15	150 X 150 X 48	25 mm	20
HD- XY – TS – 16	200 x 200 x 56	25 mm	30
HD- XY – TS – 17	250 x 250 x 65	50 mm	40

Accessories Sold Separately

Base Plate



Angle Bracket



Adapter Plate





SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, Webiste : www.scientificcomponents.com

LONG TRAVEL TRANSLATION STAGE

These series manual positioning stages have large mounting area and heavy load capacity. These are suitable for application with medium travel range. There are mounting holes on top and bottom surfaces.

Specification:

- Travel Range: 100 - 150mm travel range.
- Precision manual motion.
- M6/M4 mounting holes.
- Multi axis configuration.
- 5 micron repeatability.
- Drive by precision ground lead screw.
- Reading for locating position is taken from the linear scale.
- Precision manual motion.
- Material: Aluminum alloy.
- Finish: Black anodized.



Model No	Travel (mm)	Size (L x W)
LTTS - 18	50	100 x 75 mm
LTTS - 19	50	100 x 100 mm
LTTS - 20	100	150 x 75 mm
LTTS - 21	100	150 x 100 mm
LTTS - 22	100	150 x 150 mm
LTTS - 23	150	200 x 75 mm
LTTS - 24	150	200 x 100 mm
LTTS - 25	150	200 x 150 mm
LTTS - 26	150	200 x 200 mm

Accessories Sold Separately

Base Plate



Angle Bracket



Adapter Plate





SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

STAINLESS STEEL TRANSLATION STAGES

These V- groove type translation stages have precision V- grooved guide ways with rolling contact bearings having crossed rollers. The load capacities of these stages are high. They are vacuum compatible too. Mounting holes: M6 tapped holes are provided on top on 25 mm grid for mounting components. M6 C'bores are provided on base for mounting to other stages, breadboards or base plates.

Specification:

- Travel Range: 15mm, 25mm, 50mm.
- Drive: Micrometer.
- Load capacity: 15 kgs.
- Straight-line accuracy: 10 microns.
- Repeatability: 2 microns.
- Material: Stainless steel.



Model No.	Size	Travel (mm)
SSTS - 27	75 x 75	15
SSTS - 28	100 x 100	25
SSTS - 29	120 x 100	50



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

ROTATION STAGES

Preloaded rolling contact bearings are used to minimize friction and to eliminate play. M6 clearance holes are provided at four corners to mount the stage directly to breadboards.

For mounting to linear stages and other systems, adapter plates with sufficient M6 tapped holes and C bored holes can be used. Adapter plate is always provided with rotation stage.

Specification:

- Coarse movement: 360 degree.
- Fine movement: +/- 4 degree.
- Sensitivity: 20 arc sec.
- Load capacity: 10 kgs.
- Mounting holes: M6 tapped holes on 25 mm grid.
- Drive: By 80 tpi lead screws, with dust protection covers/ or with standard micrometer, 10 microns resolution.
- Material: Aluminium Alloy & Brass.
- Finish: Black Anodized.



Model No	Drive	Length (mm)	Width (mm)
RS - 30	Micrometer	65	55
RS - 31	Lead screw	65	55
RS - 32	Micrometer	90	80
RS - 33	Lead screw	90	80
RS - 34	Micrometer	115	100
RS - 35	Lead screw	155	100



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

HEAVY DUTY ROTATION STAGE

These Heavy duty rotation stage circular can be used for positioning heavy systems and instruments. It has same features of standard Rotation Stage Circular, except for the size and load capacity.

Specifications:

- Coarse movement: 360 degree.
- Fine movement: ± 4 degree.
- Load Capacity: Up to 30 kg.
- Sensitivity: 20 arc sec.
- Mounting holes: M6 tapped holes on 25 mm grid.
- Drive: by lead screw/ micrometer.
- Double bearing design.
- Position lockable.
- M6 C'bored holes.
- Material: Aluminum alloy.
- Finish: Black anodized.



Model No	Outer Dia (mm)	Top Dia (mm)
HDRS - 36	100	100
HDRS - 37	125	115
HDRS - 38	150	130
HDRS - 39	175	150
HDRS - 40	200	180
HDRS - 41	250	230

Note: Base plates are sold separately.



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

ROTARY MOUNT

This rotary mount provides continuous 360 degree rotation. The platform can be mounted either in horizontal or vertical direction. M6 and M4 tapped holes are provided on the top.

Specification:

- Coarse movement: 360 degree.
- Fine movement: +/- 4 degree.
- Sensitivity: 20 arc sec.
- Load capacity: 15 kgs.
- Mounting holes: M6 and M4 tapped holes.
- Double bearing design
- Material: Aluminium alloy.
- Finish: Black Anodized.



Model No.	Size (mm)
RM - 42	65 x 65



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

ROTATION STAGE WITH THROUGH BORE

This stage provides continuous 360 degree rotation, along with fine adjustment. The stage can be mounted either in horizontal or vertical direction. MB tapped holes are provided on the top. This stage has a through hole passing through its center.

Specification:

- Size: 100 x 100 x 30 mm.
- Disc Size: 80 mm Dia.
- Bore Size: 3 mm Dia.
- Coarse movement: 360 degree.
- Fine movement: +/- 4 degree.
- Sensitivity: 20 arc sec.
- Load capacity: 25 kgs.
- Double bearing design
- Lockable
- Mounting holes: M6 ad M4 tapped holes.
- Material: Aluminium alloy.
- Finish: Black Anodized.



Model No	Size (mm)
RSTB - 43	100 x 100 x 30



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

X-Z TRANSLATION STAGE

X – Z Micro move stage provides smooth, precise two axis movement. Ultra compact configuration precise rectilinear movement 5mm X-Z or X-Y travel range precision ball bearings XZ micro movement stage. The driving screws are positioned so that the unit is controlled only from one side. The travel of this stage is 5mm with sensitivity of 1 \AA . To mount components on it, M6 tapped holes are provided. The unit has a clear aperture of 7mm in diameter. So it is ideally suited for use as a holder of diaphragms. The stage can be directly mounted on breadboards and other stand equipment by use of mounting holes M3 and M2. The base and the platform are made of black anodized Aluminium.

Specification

- Rotation: ± 5 mm.
- Tilting: ± 5 mm.
- Z – Motion: 40mm.
- X- Motion: 40mm.



Model No
X-Z TS - 44



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

HE-NE LASER MOUNT

This laser holder can be mounted using standard posts having M6 tapped holes. Two posts and post holders have to be used for stability. The device can be directly mounted to breadboards and stages by making use of two M-6 C'bored holes provided at the base.

Specifications

Laser held inside two rings each having three adjustment thumb screws Tilt and position can be adjusted by the use of thumb screws.

- Inner Dia: 30mm, 50mm.
- Material: Aluminium alloy.
- Finish: Black anodized.



Model No.	Max. Laser Dia (mm)	Min. Laser Dia (mm)
He-Ne – LM - 01	150	32
He-Ne – LM - 02	250	50



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

KINEMATIC DIODE LASER MOUNT

Kinematic diode laser mount can be used to position laser diode by fine tilting the beam axis in two perpendicular planes.

Specifications:-

- Fine adjustments: Using 80 tpi lead screws.
- Adjustment range: ± 4 degrees.
- Maximum diameter of the diode module: 25mm.
- Sensitivity: 20 arc sec.
- Material: Aluminium alloy.
- Finish: Black anodized.



Model No

KDLM - 03

GIMBAL HE - NE LASER MOUNT

Scientific Components Gimbal laser mounts provide 360° coarse positioning in two axes about the axis of the beam in addition to fine adjustments. Laser is held in position by nylon tipped set-screws.

Specifications:-

- Coarse adjustment range: 360° (Azimuth and elevation).
- Maximum laser dia: 40mm.
- Fine adjustment range: ± 4 degrees (Azimuth and elevation.) Fine adjustments by 80 tpi lead screws.
- Sensitivity: 20 arc sec.
- Material: Aluminium alloy.
- Finish: Black anodized.



Model No

G- He-Ne- LM - 04



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

LAB JACK - PANTOGRAPH TYPE

Laboratory jacks provide a rugged, height adjustable platform ideal for mounting Optomechanical sub-assemblies that, as a functional group, require height adjustment.

Specifications:-

- Vertical height adjustment by 1mm pitch lead screw.
- Parallelism: 0.1mm for the entire travel.
- Maximum height: 115 mm.
- Minimum height: 60 mm.
- Mounting holes: M6 tapped holes at the top on 25 mm grid & M6 clearance slots at the base.
- Construction: Aluminium Alloy.
- Finish: Black anodized.



Model No.	Length (mm)	Breath (mm)	Height (Min., Max.)	Load Capacity
LJ - PT - 05	120	75	75, 125	5 Kg.
LJ - PT - 06	150	100	75, 125	10 Kg.
LJ - PT - 07	180	100	75, 125	15 Kg.
LJ - PT - 08	300	150	75, 200	8 Kg.
LJ - PT - 09	300	250	75, 200	10 Kg.
LJ - PT - 10	350	300	75, 200	15 Kg.



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

LAB JACK – HEAVY DUTY TYPE

Laboratory jacks provide a rugged, height adjustable platform ideal for mounting Optomechanical sub-assemblies that, as a functional group, require height adjustment.

Specifications:-

- Vertical height adjustment by 1mm pitch lead screw.
- Parallelism: 0.1mm for the entire travel.
- Maximum height: 115 mm.
- Minimum height: 60 mm.
- Mounting holes: M6 tapped holes at the top on 25 mm grid & M6 clearance slots at the base.
- Construction: Aluminium Alloy.
- Finish: Black anodized.



Model No.	Length (mm)	Breath (mm)	Height (Min., Max.)	Load Capacity
LJ – HDT - 11	120	75	75, 125	15 Kg.
LJ – HDT - 12	150	100	75, 125	15 Kg.
LJ – HDT - 13	180	100	75, 125	15 Kg.
LJ – HDT - 14	300	150	75, 200	25 Kg.
LJ – HDT - 15	300	250	75, 200	30 Kg.
LJ – HDT - 16	300	300	75, 200	30 Kg.
LJ – HDT - 17	350	250	105, 275	35 kg.
LJ – HDT - 18	350	300	105, 275	40 Kg.
LJ – HDT - 19	350	350	105, 275	40 kg.



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

LAB JACK - SCISSORS TYPE

Lab jack Scissors is a heavy duty which offers excellent rigidity and platform parallelism. This is used to lift larger assemblies like Laser, Microscope etc. This model comes in Scissors design.

Specifications:-

- Vertical height adjustments by 1mm pitch lead screw.
- Parallelism: 0.1mm for the entire travel.
- Mounting holes: M6 tapped holes at the top on 25 mm grid. M6 clearance slots at top and bottom.
- Construction: Aluminium Alloy & Steel.
- Finish: Black anodized.



Model No.	Length (mm)	Breath (mm)	Height (Min., Max.)	Load Capacity
LJ – ST - 20	120	75	75, 125	5 Kg.
LJ – ST - 21	150	100	75, 125	10 Kg.
LJ – ST - 22	180	100	75, 125	15 Kg.
LJ – ST - 23	300	150	75, 200	8 Kg.
LJ – ST - 24	300	250	75, 200	10 Kg.
LJ – ST - 25	350	300	75, 200	15Kg.



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

COMPACT LAB JACK

The Compact Lab Jack is a compact vertical translation platform. The large actuator knob is graduated in 10 μ m increments allowing calibrated vertical height changes. 1/4"-20 (M6), #8-32 (M4), and #6-32 (M4) mounting holes are provided on the top platform. Additionally, the top platform can be rotated 360° and locked in place. A clamping arm (PM2 shown in the picture to the left) is supplied with the jack.

Specifications:-

- Load Capacity: 90 kg (200lbs) static.
- High stability Lab Jack.
- 50mm (2") fully collapsed.
- 75mm (3") fully extended.
- Parallel to within ± 0.005 " over entire range.



Model No	Length	Breath	Height
CLJ - 26	100	75	75, 115
CLJ - 27	150	100	75, 115
CLJ - 28	180	100	75, 115
CLJ - 29	300	150	75, 200
CLJ - 30	300	250	75, 200



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

CYLINDRICAL LASER MOUNT

The Kinematic V-Clamp Mount that provides two axes of precision angular adjustment. This clamp is ideal for mounting a He-Ne laser or other large cylindrical objects.

Specifications:-

- Pitch & Yaw Adjustment for Easy Beam Pointing.
- Material: Aluminium alloy, Stainless Steel.
- Finish: Mat Black.



Model No

CLM - 31

LASER MOUNT/ HOLDER

Designed for Helium-Neon Lasers, this mount is ideal for any optical tube assembly. Metric Post Holder required for mounting to a breadboard. Post is removable.

Specifications: -

- Twin Ring Mount Design.
- Metric post included.
- Fixed and adjustable versions.
- Ideals for He-Ne Laser.



Model No

LM/H - 32



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

SUPER BASE MOUNTING PLATFORM

The Super Base is a high precision ball and socket mounting platform that provides free spherical motion over a complete hemisphere. The locking mechanism ensures a positive holding force that can support 50kg centralized loads.

The mounting platform, complete with a generous array of M6 tapped holes, can be swung into arbitrary positions in addition to a full 90° vertical position. The entire ball and socket mechanism can be rotated about a vertical axis.

Specifications:

- Lockable Angular Positioning.
- Full $\pm 90^\circ$ and 360° Rotation.
- Full 90° swing of top platform from horizontal to vertical orientation.
- Full 360° rotation of entire swivel mechanism.
- Maximum Load Capacity: 50 Kg. (10 lbs).
- Material: Aluminum Alloy.
- Finish: Black Anodized.



Model No

SBMP- 33



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

RAIL WITH DOVETAIL DESIGN

These rails offer excellent linearity and smooth carrier translation. Rails have linear scale reading in millimeters. M6 slots are provided for fixing it on optical breadboard and the carriers are compatible with our rails having dovetail design. They are available in standard width of 95mm and of various length ranging from 25 mm to 150 mm. The carriers can be locked anywhere on the rail. Both M6 and M4 tapped holes are provided on it for mounting components.

Specifications:

- M6 CBR slots.
- Thick: 15.5mm.
- Material: Aluminium alloy.
- Finish: Ground finish.



Model No:	Length (mm)	Width (mm)	Thickness (mm)
RDD – AA – 01	300	70	15.5
RDD – AA – 02	350	70	15.5
RDD – AA – 03	400	70	15.5
RDD – AA – 04	450	70	15.5
RDD – AA – 05	500	70	15.5
RDD – AA – 06	550	70	15.5
RDD – AA – 07	600	70	15.5
RDD – AA – 08	650	70	15.5
RDD – AA – 09	700	70	15.5
RDD – AA – 10	750	70	15.5



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

CARRIER FOR RAIL WITH DOVETAIL DESIGN

These carriers are compatible with our rails having dovetail design. They are available in standard width of 95mm and of various lengths ranging from 25 mm to 150 mm. The carriers can be locked anywhere on the rail. Both M6 and M4 tapped holes are provided on it for mounting components.



Model No:	Length (mm)	Width (mm)	Thickness (mm)
CR – DD – AA – 11	300	70	15.5
CR – DD – AA – 12	350	70	15.5
CR – DD – AA – 13	400	70	15.5
CR – DD – AA – 14	450	70	15.5
CR – DD – AA – 15	500	70	15.5
CR – DD – AA – 16	550	70	15.5
CR – DD – AA – 17	600	70	15.5
CR – DD – AA – 18	650	70	15.5
CR – DD – AA – 19	700	70	15.5
CR – DD – AA – 20	750	70	15.5



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

HC - 1 - RAILS

HC-1 rails are aluminum extrusions having 10mm thick ribs on four sides. They are available in various lengths ranging from 0.5m to 2m. They are rigid in structure and are light weight and the carriers are compatible with our HC-1 rails. They are available in standard width of 145mm and of various lengths ranging from 50mm to 150 mm. These carriers can be locked anywhere on the rail. Both M6 and M4 tapped holes are provided on it for mounting components.



Model No:	Length (mm)
HC1 - R - AA - 21	500
HC1 - R - AA - 22	750
HC1 - R - AA - 23	1000
HC1 - R - AA - 24	1250
HC1 - R - AA - 25	1500
HC1 - R - AA - 26	2000



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

HC - 2 - RAILS

HC-2 rails are aluminum extrusions having 10mm thick ribs on four sides. They are available in various lengths ranging from 0.5m to 2m.



Model No:	Length (mm)
HC2 - R - AA - 27	500
HC2 - R - AA - 28	750
HC2 - R - AA - 29	1000
HC2 - R - AA - 30	1250
HC2 - R - AA - 31	1500
HC2 - R - AA - 32	2000



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

CARRIERS FOR HC - 1 - RAIL

These carriers are compatible with our HC-1 rails. They are available in standard width of 145mm and of various lengths ranging from 50 mm to 150 mm. These carriers can be locked anywhere on the rail. Both M6 and M4 tapped holes are provided on it for mounting components.



Model No:	Length (mm)	Width (mm)
C - HC1- R – AA – 33	150	145
C - HC1- R – AA – 34	125	145
C - HC1- R – AA - 35	100	145
C - HC1- R – AA – 36	75	145
C - HC1- R – AA - 37	50	145



SCIENTIFIC COMPONENTS

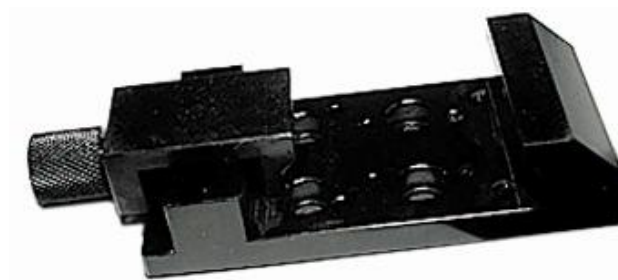
Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

CARRIER FOR HC - 2 RAIL

These carriers are compatible with our HC-2 rails. They are available in standard width of 100mm and of various lengths ranging from 50 mm to 150 mm. The carriers can be locked anywhere on the rail. Both M6 and M4 tapped holes are provided on it for mounting components.



Model No:	Length (mm)	Width (mm)
C - HC2 - R - AA - 38	50	100
C - HC2 - R - AA - 39	75	100
C - HC2 - R - AA - 40	100	100
C - HC2 - R - AA - 41	125	100
C - HC2 - R - AA - 42	150	100



SCIENTIFIC COMPONENTS

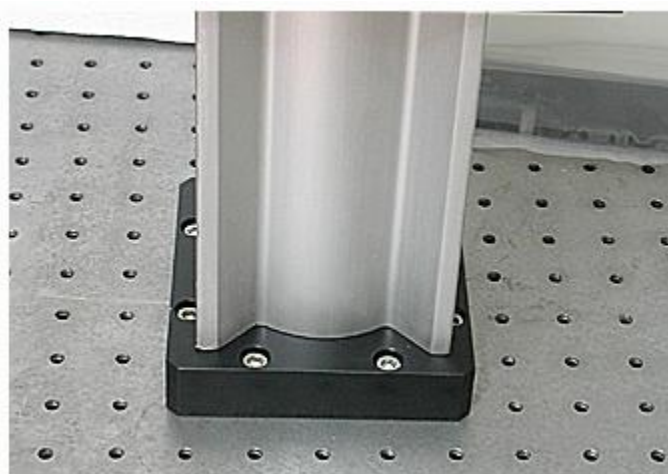
Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

BASE FOR VERTICAL MOUNTING/ VERTICAL MOUNTING BASE

We supply bases compatible with our standard HC-1 and HC-2 rails for vertical mounting of the rails.



Model No:	Compatible Rail	Base Plate Size
BVM/VMB – AA – 43	HC - 2	75 x 75 x 12
BVM/VMB – AA – 44	HC - 2	100 x 100 x 12
BVM/VMB – AA – 45	HC - 1	100 x 100 x 15
BVM/VMB – AA - 46	HC - 1	165 165 x 15



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

DOVETAIL OPTICAL RAIL

The Dovetail optical rails are our smallest rails. These compact dovetail rails are precision machined on all surfaces to maintain good lateral alignment, which is necessary for an optical assembly.

Both the rails and carriers are machined from an aircraft grade aluminum, which ensures good dimensional stability during manufacturing. The rails feature numerous M6 (1/4") counter bores for mounting flexibility. Rails 300 mm (12") and longer offer mounting slots to provide additional mounting flexibility. The end of each rail is M4 tapped for vertical mounting.

Specifications:

- Ends of each rail is M4 tapped for vertical mounting.
- Compact Dovetail Design.
- CNC Machined Surfaces.
- Material: Aluminum Alloy.
- Finish: Black Anodized.



Model No.	Size (mm)
DOR - AA - 47	75 mm
DOR - AA - 48	150 mm
DOR - AA - 49	300 mm
DOR - AA - 50	450 mm
DOR - AA - 51	600 mm



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

SCREW KITS

We supply screw kits which are required for mounting optomechanical components on breadboards. The details of mounting screws included in the standard kits are given below.



SK - M6 Screw Kit

Items	Description	Quantity
SK - M6 Screws – 01	Thread length - 6, 10, 12, 16, 20, 25	25 nos. each
SK - M6 Set Screws – 02	Thread length - 6, 10, 12, 16	25 nos. each
SK - M6 washer – 03	STD washer	25 nos.
SK - M6 nut – 04	Suitable for M6 screw	25 nos.
SK - Allen key - 05	Metric Allen key set	1 nos.

SK - M4 Screw Kit

Items	Description	Quantity
SK - M4 screws – 06	Thread length - 6, 10, 12, 16, 20, 25	25 nos. each
SK - M4 set screw – 07	Thread length - 6, 10, 12, 16	25 nos. each
SK - M4 washer – 08	STD washer	25 nos.
SK - M4 nut – 09	Suitable for M6 screw	25 nos.
SK - Allen key - 10	Metric Allen key set	1 nos.

SK - M3 Screw Kit

Items	Description	Quantity
SK - M3 SHCS screws – 11	Thread length - 6, 10, 12, 16, 20, 25	25 nos. each
SK - M3 set screw – 12	Thread length - 6, 10, 12, 16	25 nos. each
SK - M3 washer – 13	STD washer	25 nos.
SK - M3 nut – 14	Suitable for M6 screw	25 nos.
SK - Allen key - 15	Metric Allen key set	1 nos.



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

ALL IN ONE KIT

This all in one kit provides all the tools necessary for opto-mechanical setups.



Items	Description	Quantity
AIOK - M6 - 16	M6 Screw kit	1 nos.
AIOK - M4 - 17	M4 Screw kit	1 nos.
AIOK - M3 - 18	M3 Screw kit	1 nos.
AIOK - M4 - ST - 19	M4 Star screws	25 nos.
AIOK - M3 - ST - 20	M3 Star screws	25 nos.
AIOK - ST - DR - 21	Star Screw Driver set	1 set
AIOK - FL - DR - 22	STD washer	1 set
AIOK - NT - DR - 23	Suitable for M6 screw	1 set
AIOK - Allen key - 24	Metric Allen key set	2 Nos.



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

THUMB SCREWS

We supply thumb screw used for mounting Optomechanical components separately.



M6 Thumb Screw	
Model No:	Thread Length
TS - M6 – 25	6 mm
TS - M6 – 26	8 mm
TS - M6 – 27	12 mm
TS - M6 – 28	15 mm
TS - M6 - 29	25 mm

M4 Thumb Screw	
Model No:	Thread Length
TS - M4 – 30	6 mm
TS - M4 – 31	8 mm
TS - M4 – 32	12 mm
TS - M4 - 33	15 mm



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

SCREWS

We supply wide range of stainless steel screws along with our product in request.



Model No:	Description	1 set contains
SC - M8 x 16 – 34	M8 Screw, Length 16 mm	10 Nos.
SC - M8 x 20 – 35	M8 Screw, Length 20mm	10 Nos.
SC - M8 x 25 – 36	M8 Screw, Length 25mm	10 Nos.
SC - M8 x 30 – 37	M8 Screw, Length 30mm	10 Nos.
SC - M8 x 40 – 38	M8 Screw, Length 40mm	10 Nos.
SC - M8 x 50 - 39	M8 Screw, Length 50mm	10 Nos.
SC - M6 x 06 – 40	M6 Screw, Length 06 mm	10 Nos.
SC - M6 x 10 – 41	M6 Screw, Length 10 mm	10 Nos.
SC - M6 x 12 – 42	M6 Screw, Length 12 mm	10 Nos.
SC - M6 x 16 – 43	M6 Screw, Length 16 mm	10 Nos.
SC - M6 x 20 – 44	M6 Screw, Length 20 mm	10 Nos.
SC - M6 x 25 - 45	M6 Screw, Length 25 mm	10 Nos.
SC - M4 x 06 – 46	M4 Screw, Length 06 mm	10 Nos.
SC - M4 x 10 – 47	M4 Screw, Length 10 mm	10 Nos.
SC - M4 x 12 – 48	M4 Screw, Length 12 mm	10 Nos.
SC - M4 x 16 – 49	M4 Screw, Length 16 mm	10 Nos.
SC - M4 x 20 - 50	M4 Screw, Length 20 mm	10 Nos.
SC - M3 x 06 – 51	M3 Screw, Length 06 mm	10 Nos.
SC - M3 x 08 – 52	M3 Screw, Length 08 mm	10 Nos.
SC - M3 x 10 – 53	M3 Screw, Length 10 mm	10 Nos.
SC - M3 x 12 – 54	M3 Screw, Length 12 mm	10 Nos.
SC - M3 x 16 - 55	M3 Screw, Length 16 mm	10 Nos.



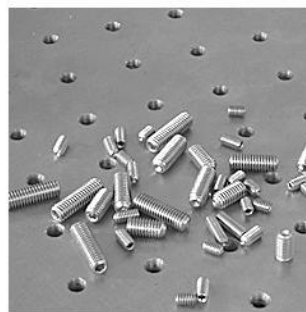
SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

SET SCREWS



Model No	Description	1 set contains
SS - M6 x 06 – 56	M6 Set Screw, Length 06 mm	10 Nos.
SS - M6 x 08 - 57	M6 Set Screw, Length 08 mm	10 Nos.
SS - M6 x 10 – 58	M6 Set Screw, Length 10 mm	10 Nos.
SS - M6 x 12 – 59	M6 Set Screw, Length 12 mm	10 Nos.
SS - M6 x 16 - 60	M6 Set Screw, Length 16 mm	10 Nos.
SS - M4 x 04 – 61	M4 Set Screw, Length 04 mm	10 Nos.
SS - M4 x 06 – 62	M4 Set Screw, Length 06 mm	10 Nos.
SS - M4 x 08 – 63	M4 Set Screw, Length 08 mm	10 Nos.
SS - M4 x 10 – 64	M4 Set Screw, Length 10 mm	10 Nos.
SS - M4 x 12 – 65	M4 Set Screw, Length 12 mm	10 Nos.
SS - M3 x 04 – 66	M3 Set Screw, Length 04 mm	10 Nos.
SS - M3 x 06 – 67	M3 Set Screw, Length 06 mm	10 Nos.
SS - M3 x 08 – 68	M3 Set Screw, Length 08 mm	10 Nos.
SS - M3 x 10 - 69	M3 Set Screw, Length 10 mm	10 Nos.



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, Webiste : www.scientificcomponents.com

TOOL KIT

- Allen Key



Model No.

TK - ALK - 70

- Screwdriver Kit



Model No

TK - SDK - 71



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, Webiste : www.scientificcomponents.com

SINGLE SPECTROPHOTOMETER



This basic device for qualitative and quantitative analysis is an essential laboratory ar dely applied in experiments of clinical trials, metallurgical industry, geological environmental protection, chemical machinery manufacturing production, etc., also for instruction and research.

- A. CT-5,6 Series are advanced single beam design consisting of 5 models. Different one with different bandwidth and wavelength accuracy. All of them provide excellent performance for measurement in the range of 190nm to 1100nm.
- B. CT-5,6 series:-
 - *All software methods are included as built-in standard, thus eliminating the need for software options.*
 - *Online software upgrade via Internet helps to keep your software up-to-date.*
 - *Data Download-to-PC software expands the data storage to unlimited.*
- C. The CT-5,6 series are suitable for clinical lab applications, pharmaceutical and biochemical as well as routine applications such as quantitative analyses, kinetics, wavelength scanning, multiple components and DNA/Protein analysis.
- D. PC Windows® application software and built-in software make this instrument versatile.

FEATURES

- A. CT-5, CT-6 series with large graphic LCD display (320 × 240) to directly show graphs on the screen.
- B. Unique pre-aligned deuterium lamp for easy lamp replacement to avoid optical adjustment.
- C. GLP self-calibrated function can automatically check wavelength and photometric accuracy using validation report.
- D. Powerful integrated software for data acquisition:-
 - **Quantitative:** *Establish or use stored calibration equation to measure the concentration of unknowns.*
 - **Kinetics:** *Measurement of absorbance changing vs. time with reaction rate calculation function.*
 - **Wavelength Scanning:** *Spectrum scan of sample at any selected wavelength range with choice of scanning speed and wavelength interval.*
 - **Multi-Wavelength:** *Measurement at multiple wavelengths to analyze and determine the composition of mixtures.*
 - **DNA/Protein:** *Calculation of concentration and DNA purity. Ratio at other wavelengths can be measured.*



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094
 Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93
 E-mail: scientific_components2005@yahoo.co-in, Webiste : www.scientificcomponents.com

E. Other features include:-

- **System examination:** Automatic wavelength check, automatic light filter detection, automatic energy detection, and other automatic functions.
- **Photometric switch:** Able to switch light source in the specific range.
- **Photometric cutoff:** Automatic cutoff of deuterium lamp and halogen lamp to extend their durability.
- **Power failure protection:** Research data can be saved and restored when there is power failure.
- **Software:** Application software can be connected to computer to control equipment operation and to analyze experimental data.

Model	CT-5100	CT-5700	CT-6200	CT-6400	CT-6600
Optical System	Single Beam, Grating 1200 lines/mm				
Wavelength Range	190-1100nm				
Spectral Bandwidth	4.0nm	2.0nm	1.8nm	0.5/1.0/2.0/4.0 nm	1.0nm
Wavelength Accuracy	±0.5nm		±0.3nm		
Wavelength Repeatability	0.3nm		0.2nm		
Photometric Accuracy	±0.3% T		±0.2% T		
Photometric Repeatability	0.2% T		0.15% T		
Stray Light	<0.05% T				
Baseline Stability	±0.002 A/h		±0.001 A/h		
Baseline Flatness	±0.002 A (200-1000nm)		±0.001 A (200-1000nm)		
Display	LCD (320 × 240) & PC Model				
Photometric Mode	T, A, E				
Scanning Speed	High, Med., Low. , Max. 3000nm/min				
Wavelength Setting	Automatic				
Photometric Range	-0.3-3 A, 0-200% T, 0-9999 Conc.				
Detector	Si Photodiode				
Light Source	Halogen & Deuterium lamp (pre-aligned)				
Keyboard	Membrane Keypad or PC				
Output	USB Port & Parallel Port (Printer)				
Power Requirement	AC 220V/50Hz or AC 110V/60Hz				
Dimensions (W × D × H)	480mm × 360mm × 160mm		600mm × 450mm × 200mm		
Weight	16Kg		25Kg		



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

Packing List

- Spectrophotometer.....1
- 4 cell holder for 10mm Squ. Cuvette.....1
- Mains Lead..... 1
- Cuvettes.....Set of 4, glass & Set of 2, quartz.
- USB Cord.....1
- User Manual.....1
- UV-Vis Analyst Software.....1
- Software Manual.....1

Optional Accessories

- Single cell holder for 10mm
- Cylindrical cell holder.
- Test tube holder (ø8-ø22mm).
- Long path cell holder.
- 4-Cell holder for up to 50mm squ. Cuvette.
- 4-Cell holder for up to 1000mm squ. Cuvette.
- Micro cell holder.
- Water-jacketed cell holder.
- Peltier/sipper system
- 8-position auto cell changer.
- Reflectance meachment attachment printer.

Model No
SS - CT- 5100 – 01
SS - CT – 5700 - 02
SS - CT – 6200 – 03
SS - CT – 6400 – 04
SS - CT – 6600 - 05



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

DOUBLE SPECTROPHOTOMETER



This basic device for qualitative and quantitative analysis is an essential instrument widely applied in experiments of clinical trials, metallurgical industry, geology, environmental pollution, chemical machinery manufacturing production, etc., also for instruction and research.

A. CT-8 Series are advanced double beam design consisting of two models; Stand-alone models: CT8200 with 1.8nm fixed bandwidth and CT8600 with 1.0 fixed bandwidth.

B. The two detectors are measuring sample and reference respectively and simultaneously for optimizing measurement accuracy. They provide accurate measurement in the range of 190nm to 1100nm.

C. All instruments provide excellent performance for measurements:-

- *To Stand-alone models, all software methods are included as built-in standard, thus eliminating the need for software options.*
- *On-line software upgrade capability via Internet helps to keep your software up-to-date.*
- *Data Download-to-PC software expands the data storage to unlimited.*

D. This spectrophotometer is suitable for pharmaceutical, biochemical and clinical lab applications as well as routine applications such as quantitative analyses, kinetics, spectrum scanning, multiple components and DNA/Protein analysis.

E. PC Windows® application software and built-in software make this instrument versatile.



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

FEATURES:

Stand-alone models with large graphic LCD display (320 × 240) to directly show graphs on the screen.

B. Unique pre-aligned deuterium lamp for easy lamp replacement to avoid optical adjustment.

C. GLP self-calibrated function can automatically check wavelength and photometric accuracy using validation report.

D. Powerful integrated software for data acquisition:-

- *Quantitative.*
- *Kinetics.*
- *Wavelength Scanning.*
- *Multi-Wavelength.*
- *DNA/Protein*

E. Other features include:-

- **System examination:** Automatic wavelength check, automatic light filter detection, automatic energy detection, and other automatic functions.
- **Photometric switch:** Able to switch light source in the specific range.
- **Photometric cutoff:** Automatic cutoff of deuterium lamp and halogen lamp to extend their durability.
- **Power failure protection:** Research data can be saved and restored when there is power failure.
- **Software:** Application software can be connected to computer to control equipment operation and analyze experimental data.



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

Model	CT-8200	CT-8600
Optical System	Double Beam, Grating 1200 lines/mm	
Wavelength Range	190-1100nm	190-1100nm
Spectral Bandwidth	1.8nm	1.0nm
Wavelength Accuracy	±0.3nm	
Wavelength Repeatability	0.2nm	
Photometric Accuracy	±0.2% T	
Photometric Repeatability	0.15% T	
Stray Light	<0.05% T	
Baseline Stability	±0.0005 A/h	
Baseline Flatness	±0.0005 A (200-1000nm)	
Display	LCD (320 × 240) & PC Model	LCD (320 × 240) & PC Model
Photometric Mode	T, A, E	
Scanning Speed	High, Med., Low., Max. 3000nm/min	
Wavelength Setting	Automatic	
Photometric Range	-0.3-3 A, 0-200% T, 0-9999 Conc.	
Detector	Si Photodiode	
Light Source	Halogen & Deuterium Lamp (pre-aligned)	
Keyboard	Membrane Keypad or PC	
Output	USB Port & Parallel Port (Printer)	
Power Requirement	AC 220V/50Hz or AC 110V/60Hz	
Dimensions (W × D × H)	600mm × 450mm × 200mm	
Weight	27Kg	27Kg



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

Packing List

- Spectrophotometer.....1
- Single cell holder for 10mm Squ. Cuvette.....1
- Mains Lead..... 1
- Cuvettes.....Set of 4, glass & Set of 2, quartz.
- USB Cord.....1
- User Manual.....1
- UV-Vis Analyst Software.....1
- Software Manual.....1

Optional Accessories

- 8-position auto cell changer.
- Cylindrical cell holder.
- Test tube holder (ø8-ø22mm).
- Long path cell holder.
- Micro cell holder.
- Water-jacketed cell holder.
- Peltier/sipper system
- Reflectance meachment attachment printer.

Model No
DS - CT- 8200 – 06
DS - CT - 8600 - 07



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

SPECTROSCOPIC ELLIPSOMETER

Spectroscopic ellipsometer is widely used for thin film and measurements. It uses a high speed CCD array detection to collect the entire spectrum. It measures films from nanometer thickness up to tens of microns and the optical properties from transparent to absorbing materials. It accurately measures optical constants like refractive index, film thickness and extinction coefficient.

Discrete Wavelength Ellipsometers and Spectroscopic Ellipsometers:-

- *Discrete Wavelength Ellipsometers (Single Wavelength Ellipsometers and Multi-wavelength Ellipsometers)*
- *Spectroscopic Ellipsometers Deep UV, UV, VIS, NIR and IR.*

We offers full range of ellipsometers for thin film thickness measurements, optical characterization for refractive index and extinction coefficient analysis (n & k). Many upgradable accessories are available for different applications:-

- PHE100 Spectroscopic Reflectometer.
- Discrete Wavelength Ellipsometer.
- Variable Angle Discrete Wavelength Ellipsometer.
- Multi-Wavelength Discrete Ellipsometer.
- UV/VIS NIR Spectroscopic Ellipsometer.
- Infrared Spectroscopic Ellipsometer.
- Accessories for PHE series Ellipsometers.



Model No

SE - 08



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

DIGITAL POLARIMETER

The Polarimeter is used for determining the optical rotation of substances. By measuring optical rotation, the concentration, content, purity etc. of certain substances can be found out. Therefore, the Polarimeter has become one of the most useful instruments in laboratories of sugar industry, pharmaceutical industry, oil refining, foodstuff industry, chemical industry, universities and scientific research field.

Major modules in our Polarimeter include light source, Interference filter, polarizer, faraday modulator, sample chamber, analyzer and Detector.

SPECIFICATIONS:

- Measurement Range : -45° - $+45^{\circ}$, -120°Z + 120°Z
- Minimum Reading : 0.001°Z and 0.01°Z .

ACCURACY :

- $+(0.01^{\circ}\text{Z} + \text{Measurement value } 0.05\%)$.
- $+(0.03^{\circ}\text{Z} + \text{Measurement value } 0.05\%)$.
- Repeatability (Standard Deviation) : < 0.00 .
- Minimum sample transmittance 1 %.



SALIENT FEATURES:

- Highly Stable & Accurate.
- Domestic Advanced digital circuit and microcomputer control.
- LCD Display.
- Storage of three times results for Re-M (Repetition measurement) and calculation of average value.
- RS 232 interface.

Model No

DP - 09



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, Website : www.scientificcomponents.com

CONTACT ANGLE METER

The DM-701 and DM-501 are the most flexible and popular models that are widely used for research and development and quality control purposes. They are upgradable with several software or accessories to extend the capability of each model, and even with customization for special applications.

DM – 701 High end model, fully automated system with computer controlled stage and dispenser

- Applicable sample size is up to 150mm x 150mm.
- Computer controlled stage and dispenser perform measurements of multiple points automatically with single command.
- Even advancing/receding angle measurements by the extension/contraction method and the sliding method (option) allow measurement of multiple points automatically with single command.



DM-501, Computer controlled dispenser with manual movement stage





SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

- Applicable sample size is up to 150mm x 150mm.
- Computer controlled automatic dispenser discharges precise volume of droplet in 0.1 μ L resolution.
- Applicable to wide variety of optional accessories to extend the capability.

Capable functions of DM-701 / 501

- **Measurement of Contact Angle**

Sessile Drop method: Typical contact angle in static and time function

Extension/Contraction method: Advancing/receding angles under captive drop.

Sliding method: Advancing/receding angles with tilted surface [Option]

Dynamic sliding method: Focusing the speed of droplet sliding [Option].

Three-state method: Bubble or oil droplet in water, or vice versa [Option].

- **Measurement of Surface/Interfacial Tension by Pendant Drop method [Optional kit needed].**
- **Surface free energy analysis [Optional kit recommended].**
- **Fast image capture system (Standard max. 60fps, Option max. 1,000fps).**
- **Automatic dispenser.**
- **Zoom lens.**
- **Temperature control systems for solid and droplet [Option].**
- **Multi dispensers for surface free energy analysis [Option].**

Model No
CAM – DM 701 – 10
CAM – DM 501 - 11



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

HE-NE LASER

Most common and inexpensive gas laser, the helium-neon laser is usually constructed to operate in the red at 632.8nm. Collimation of the beam is accomplished by mirrors on each end of an evacuated glass tube which contains about 85% helium and 15% neon gas at 1/300 atmospheric pressure. A typical helium-neon laser consists of three components: laser tube, a high-voltage power supply and structural packaging. The laser tube consists of a sealed glass tube which contains the laser gas, electrodes and mirrors. Depending on the power output of the laser, the tube may vary in size. The laser is constructed in such a way that is safe to use under any circumstances. Laser tube along with its power supply is housed in thick powder coated aluminum box.

Specifications:-

- Optical Power: 2, 5, 10, 12mW.
- Polarization: Random/ Linear.
- Operating wavelength: 632.8 nm (Red).
- Output power stability: $\pm 2.5\%$.
- Power input: 220V AC, 50Hz.
- Mode: TEM₀₀.
- Min. operating lifetime: 15,000 Hrs.
- Beam diameter: 0.8mm.
- Beam divergence: ≤ 1 m rad.



Model No.	Optical Power (mW)	Type
He-Ne – Laser – AA – 01	2	Random/Linearly
He-Ne – Laser – AA – 02	5	Random/Linearly
He-Ne – Laser – AA – 03	10	Random/Linearly
He-Ne – Laser – AA - 04	12	Random/Linearly



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

DIODE PUMPED SOLID STATE (DPSS) LASER

Diode-pumped solid-state (DPSS) lasers are solid-state lasers made by pumping a solid gain medium with a laser diode. DPSS lasers have advantages in compactness and efficiency over other types, and high power DPSS lasers have replaced ion lasers and flash lamp-pumped lasers in many scientific applications.

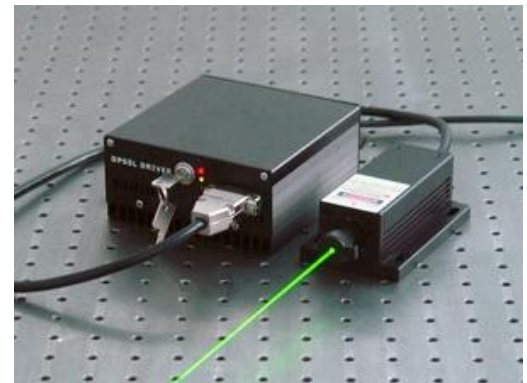
Feature

- Up to 5W.
- Miniature size.
- Collimated straight beam.
- Long life operation.
- High efficiency.
- Continuous Wave.
- Highly reliable.
- Low cost, Easy use & maintenance free.
- Suitable for: Medical applications, Crystal inspections, Holography, Raman spectroscopy.



Specification

- Output Wavelength: 532nm
- Output power: 10mw ~ 80mw.
- Spatial mode: TEM00
- Operating longitudinal mode: Several/ One (for SLM).
- Polarization ratio: > 100:1.
- Polarization mode: Linear
- Point stability: < 0.05 mrad.
- Line width : <0.1 nm
- Residual infrared(1064&808nm): <0.01%
- Operating mode: CW or Modulation
- Laser Shape: Circular, aspect ratio<1.1:1
- Beam Diameter(1/e²): 2 mm
- Divergence Angle: 1.0 mrad
- Power Stability: <±5% per 2 hrs.
- Temperature Stabilizing: TEC
- Warm Up Time: <5 minutes
- Beam quality(M2): <1.2
- Optimum Operating Temperature: 20~30°C
- Storage Temperature: 10~50°C
- MTTF (mean time to failure): 10,000 hrs.
- Laser head dimensions: 100(L)x34(W)x45(H) mm
- Power Supply #1: Standard type power supply 100(L)x70(W)x55(H)mm
- Power Supply #2: Lab Adjustable power supply 178(L)x197(W)x84(H)mm
- Warranty: 1 Year.



MODEL NO.	WAVELENGTH
DPSS Laser – 05	261 nm
DPSS Laser – 06	303 nm
DPSS Laser – 07	320 nm
DPSS Laser – 08	355 nm
DPSS Laser – 09	360 nm
DPSS Laser – 10	435 nm
DPSS Laser – 11	445 nm
DPSS Laser – 12	457 nm
DPSS Laser – 13	465 nm
DPSS Laser – 14	473 nm
DPSS Laser – 15	480 nm
DPSS Laser – 16	491 nm
DPSS Laser – 17	500.8 nm
DPSS Laser – 18	515 nm
DPSS Laser – 19	523.5 nm
DPSS Laser – 20	526.5 nm
DPSS Laser – 21	532 nm
DPSS Laser – 22	543 nm
DPSS Laser – 23	556 nm
DPSS Laser – 24	561 nm
DPSS Laser – 25	589 nm
DPSS Laser – 26	598 nm
DPSS Laser – 27	593.5 nm
DPSS Laser – 28	604 nm
DPSS Laser – 29	607 nm
DPSS Laser – 30	639 nm
DPSS Laser – 31	656.5 nm
DPSS Laser – 32	660 nm
DPSS Laser – 33	671 nm
DPSS Laser – 34	721 nm
DPSS Laser – 35	914 nm
DPSS Laser – 36	946 nm
DPSS Laser – 37	1030 nm
DPSS Laser – 38	1064 nm
DPSS Laser – 39	1085 nm
DPSS Laser – 40	1112 nm
DPSS Laser – 41	1122 nm
DPSS Laser – 42	1177 nm
DPSS Laser – 43	1342 nm
DPSS Laser – 44	1470 nm
DPSS Laser – 45	1550 nm
DPSS Laser – 46	2790 nm



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

DIODE LASERS

The wavelength range of our diode lasers is from 375nm to 2200nm, and the out power ranges from 1mW to 20W.

Red diode laser module at 633nm is made features of TEM₀₀ mode, long lifetime, low cost and easy operating, which is used in measurement, spectrum analysis as the substitute for He-Ne lasers.

Specification

- Wavelength (nm): 633 (+/-3nm).
- Output power (mW) : >20.
- Input voltage (V): AC 90~264.
- Operating mode: CW.
- Transverse mode: Near TEM₀₀.
- Warm-up time (minutes) : <5.
- Dimensions of beam at aperture (mm): ~3.0.
- Beam divergence, full angle (mrad) : <1.0.
- Power stability (RMS/4 hrs.) : <1%, <3%, <5%.
- Operating temperature (°C): 10~35.
- Beam height from base plate (mm): 24.8.
- Power supply model: PSU-III-LED / PSU-III-FDA
- Modulation: TTL or Analog, optional.
- Expected lifetime (hours): 10,000.
- Warranty period: 1 year.



MODEL NO.	WAVELENGTH
DL - UV Laser - 47	375 nm
DL - Violet Laser - 48	405 nm
DL - Blue Laser - 49	442/445/450/447/450/454/460/488 nm
DL – Green Laser - 50	510/514.5/520 nm
DL – Red Laser - 51	622/627/633/635/637/638/640/650/655/660/680/685/690/705/730/750/808/850 nm
DL – Infrared Laser - 52	785/793/800/808/825/830/845/852/2200 nm



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

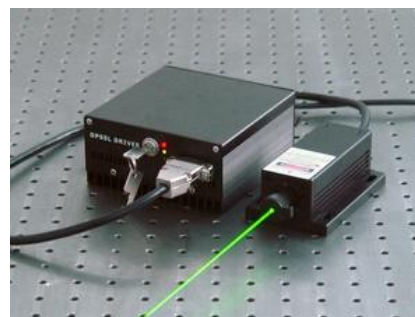
E-mail: scientific_components2005@yahoo.co-in, **Website** : www.scientificcomponents.com

SINGLE FREQUENCY LASERS

ULTRALASERS offers a wide selection of laser modules with single longitudinal mode. These lasers are made features of ultra-compact, long lifetime, low cost and easy operating, which is widely used in DNA sequencing, flow cytometry, cell sorting, optical instrument, spectrum analysis, interference, measurement, holography, physics experiment, etc.

Specification

- Wavelength (nm): 532.
- Output power (mW): 1~50.
- Longitudinal mode: Single.
- Operating mode: CW.
- Transverse mode: TEM₀₀.
- M² factor: <1.2.
- Beam diameter at 1/e² (mm): ~1.2
- Divergence, full angle (mrad) : <1.2.
- Power stability (RMS/4 hrs.) : <1%, <3%, <5%, optional.
- Operating temperature (°C):15~35.
- Spectral line width (nm): <0.00001.
- Coherent length (m): >50.
- Polarization ratio: >100:1 (0 or 90 degree).
- Pointing stability after warm-up (mrad) : <0.05.
- Power supply model: PSU-III-FDA.
- Expected lifetime (hours): 10,000.
- Warranty period: 1 year.



MODEL NO.	WAVELENGTH
SFL – 53	360/457/473/532/556/561/589/660/671/721/1064/1342 nm



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

Q-SWITCHED PULSED LASERS

DPSS lasers are available for a range of industrial applications. Our Q-switched DPSS (diode pumped solid state) lasers and high power water-cooled lasers are widely used in laser process technology, such as rapid laser shaping, laser welding, laser cutting, laser drilling, laser marking, laser weight adjusting balance, laser etching, laser trimming, optical storage, laser cleaning, laser heat-treatment and surface treatment.



MODEL NO.	WAVELENGTH
Q-SPL – UV - 54	266/ 355 nm
Q-SPL – Green – 55	523.5/526.5/532 nm
Q-SPL – Infrared – 56	1053/1064/1319/1573 nm



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, Webiste : www.scientificcomponents.com

FIBER COUPLED LASER

Most DPSS lasers and Semiconductor Lasers can be customized to Fiber coupled lasers. So please contact us and tell your detail requirements if you can't find the Fiber laser link that meet your needs.

Features:

- The length of fiber can be customized.
- You can change the direction of the laser beam, it can be applied to a variety of occasions venue.
- Laser spot is circular, uniform illumination.
- The laser fiber can be installed at the exit of the collimator lens care area to adjust the size, large or small.
- Long Time.

Specification

- Output Wavelength: 532(+/-1) nm
- Output Power: 800mw~1500mw(Choose)
- Optical fiber core diameter: 400um(Default) - (100um/200um/400um/600um/800um/1000um -- Can be customized)
- Operating mode: CW or Modulation
- Spatial mode: TEM00.
- Fiber diameter: 100um 200um.
- Power stability: <3% per 4 hrs.
- Temperature Stabilizing: TEC.
- Warm Up Time: <5 minutes.
- MTTF (mean time to failure): 10,000 hrs.
- Laser dimensions: 155(L) x77(W) x60(H) mm.
- Power Supply: Standard type power supply / Lab Adjustable power supply (Choose).
- Modulation: 0~30 kHz Analog or TTL.
- Interface type: FC/PC (default), FC/APC, SMA905 (If you need FC/APC or SMA905 interface please let us know)



Note: The output power of the laser fiber-coupled is marked before the power coupling, the coupling efficiency is generally 80%.
 e.g. a 3W fiber-coupled laser, the real output power is 2.4W.

MODEL NO.	WAVELENGTH
FCL- Single Mode - Blue- Violet - 57	405 nm
FCL- Multi Mode - Blue- Violet - 58	405 nm
FCL – Blue – 59	473 nm
FCL – Green – 60	532 nm
FCL – Red - 61	635/638/650
FCL – Single Mode – 62	780 nm
FCL – 63	808 nm
FCL – HP – 64	980 / 1064 nm



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

Q- SWITCHED LASER

Features

- Passively Q-switched
- Repetition rates

Specification

- Wavelength: 532nm.
- Spatial Mode: TEM00
- Average output power: 200~500mw
- Single Pulse energy : 5-30 uJ
- Pulse Width: 1-10ns
- Peak Power: 300-1000W
- Repeat Rate: 5~30 kHz
- Beam Spot Shape: Circular, aspect ratio<1.1:1
- Pointing Stability: <0.05mrad
- Beam Diameter (1/e²): <1.5mm
- Beam Divergence: < 2mrad
- Power Stability: <±3% per 2 hrs
- Beam Height: 29mm
- Temperature Stabilizing: TEC
- Warm Up Time: <5minutes
- Beam Quality (M²) : <2
- Optimum Operating Temperature: 20~30°C
- Storage Temperature: 10~50°C
- Life Time: 10,000 hours
- Power Supply: Standard type power supply / Lab Adjustable power supply (Choose)
- Laser Head Dimensions: 155(L) x 77(W) x 55(H) mm³
- Warranty: 1 Year.



MODEL NO.	WAVELENGTH
Q-SL – Passively - 65	532 nm
Q-SL – Infrared Passively - 66	1064 nm



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

BEAM EXPANDER

A beam expander is an optical system designed to increase the diameter of a laser beam. In most cases, the term is taken to mean a telescope designed to take a small-diameter collimated beam input beam and produce a larger diameter collimated output beam, thus reducing the divergence of the beam. The beam expander consists of a negative input lens and a positive objective. The expansion factor is the ratio of the focal length of the two lenses.

Features:

- Low power loss.
- Precision laser machining: capable to provide a high power density focal spot.
- Good output collimation.
- Able to withstand laser power of more than 1000W.
- Laser range finder: capable to provide a highly collimated beam.
- Adjustable divergence angle of 18 to 32mrad with the variable beam expanders.
- Combining with a spatial filter, able to modify laser power distribution.



Note:

- *These series beam expander are offered for UV, visible and infrared lasers respectively. Please inform us the wavelength before you place the order.*
- *This beam expander is for beam with diameter of 4 ~ 10mm.*

MODEL NO.
BE – 2X - 67
BE – 3X - 68
BE – 5X - 69
BE – 10X - 70



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

LASER POWER METERS

Our new released thermoelectric laser power meter is able to accurately measure various laser power. It is equipped with PC software to store measured data, easy to operate and portable with built-in rechargeable battery.

Features:

- Large, bright, backlit LCD display.
- Wide range and high precision measurement.
- Connect with PC, data recording, statistics and mean function, drawing the trend picture using sampling software.
- Long-term stable measurement.
- Built-in rechargeable battery, long standby time.
- Easy to operate.

Accessories:

- Vega
- Carrying Case.
- USB Cable for Vega.
- RS232 Cable for Vega
- Spare battery pack for vega



MODEL NO.	Power Range
LPM - 71	2mW ~ 5W
LPM - 72	5mW ~ 15W
LPM - 73	10mW ~ 35W
LPM - 74	15Mw ~ 50W



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

MOTORIZED LINEAR STAGE (Travel 10 – 50 mm)

Precision lapping screw and crossed roller guide ensure the accuracy of the motorized linear stage. This stage is miniature motorized linear stage. This motorized linear stage is usually assembled to motorized XY stage or XYZ stage. It is connected with our motion controller via DB9 interface and it can be controlled by our computer software via RS232 interface on controller. Components can be mounted on to the stage either vertically or horizontal.

Specifications

- Ultrathin design.
- High precision lapping screw, high solution.
- Crossed roller guide, high accuracy, and good linearity.
- X stage, XY stage & XYZ stage configuration option.
- Actuator: Stepper motor.
- Absolute positioning accuracy: 10 microns.
- Repeatability: 5 microns.
- Straight-line accuracy: 10 microns.
- Zero position switch and limit switch.
- Hand wheel for manual drive.
- Material: Aluminium Alloy.
- Finish: Black Anodized.



Motion Controller:

Motion controller can be used to motorized stage with NEMA17 stepper motor. We have 220V and 110V power supply options for each motion controller. The RS232 to USB conversion line can be used to connect the motion controller to laptop.

Model No.	Size	Travel (mm)	Load Capacity (Vertical)
MLS – 01	65 x 65	10	5 kg
MLS – 02	90 x 90	25	8 kg
MLS - 03	90 x 115	50	10 kg

Customize

- *We can customize this product to your needs.*
- *If you do not find suitable specifications for your application please contact us for custom solution.*



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, Webiste : www.scientificcomponents.com

MOTORIZED LINEAR STAGE (TRAVEL 50 – 300mm)

Precision lapping screw and crossed roller guide ensure the accuracy of the motorized linear stage. This stage is miniature motorized linear stage. This motorized linear stage is usually assembled to motorized XY stage or XYZ stage. It is connected with our motion controller via DB9 interface and it can be controlled by our computer software via RS232 interface on controller. Components can be mounted on to the stage either vertically or horizontal.

Specifications

- Ultrathin design.
- High precision lapping screw, high solution.
- Crossed roller guide, high accuracy, and good linearity.
- X stage, XY stage & XYZ stage configuration option.
- Actuator: Stepper motor.
- Absolute positioning accuracy: 10 microns.
- Repeatability: 5 microns.
- Straight-line accuracy: 10 microns.
- Zero position switch and limit switch.
- Hand wheel for manual drive.
- Material: Aluminium Alloy.
- Finish: Black Anodized.



Motion Controller:

Motion controller can be used to motorized stage with NEMA17 stepper motor. We have 220V and 110V power supply options for each motion controller. The RS232 to USB conversion line can be used to connect the motion controller to laptop.

Model	MLS - 04	MLS - 05	MLS - 06	MLS - 07	MLS - 08
Travel Range	50mm	100mm	150mm	200mm	300mm
Platform Size	160x160mm				
Screw Pitch	5mm				
Resolution (8 Subdivision)	1.5625μ			3.125μ	
Maximum Speed	20mm/sec			40mm/sec	
Repeatability	<5μ				
Backlash	<30μ				
Motor Type	NEMA17 Stepper Motor			NEMA17 Stepper Motor	
Maximum Static Torque	0.4Nm				
Rated Current	1.7A				
Center Load Capacity	30kg				
Weight	4.95kg	5.5kg	6kg	6.45kg	7.5kg

Customize

- We can customize this product to your needs.
- If you do not find suitable specifications for your application please contact us for custom solution.



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

MOTORIZED XY TRANSLATION STAGE (Travel: 30- 100mm)

We can stack two stages in same series to XY stage with same or different travel range. We can also stack XY stage **according** to customer's request. You can choose the motorized linear stages that you want to stack, and then write down your request in the remark of the order. We will stack them depending on your requirement. It is connected with our motion controller via DB9 interface and it can be controlled by our computer software via RS232 interface on controller.

Features:

- High precision lapping screw, high solution.
- Crossed roller guide, high accuracy, and good linearity.
- Motor Type: Stepper motor.
- Zero position switch and limit switch.
- Hand wheel for manual drive.



Specification

Travel Range	30mm x 30mm	50mm x 50mm	100mm x 100mm
Screw Pitch	1mm		
Resolution (8 Subdivision)	0.625μ		
Maximum Speed	10mm/sec		
Repeatability	<5μ		
Backlash	<20μ		
Motor Type	NEMA17 Stepper Motor (1.8°)		
Maximum Static Torque	0.4Nm		
Rated Current	1.7A		
Center Load Capacity	8.7kg	8.5kg	7.9kg
Weight	2.6kg	3kg	4.2kg



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

Motion Controller:

We have 220V and 110V power supply options for each motion controller. The [RS232 to USB conversion line](#) can be used to connect the motion controller to laptop.

Model No.	Travel Range (X * Y)
M- XYTS – 09	30 x 30 mm
M- XYTS – 10	50 x 50 mm
M- XYTS – 11	100 x 100mm

Customize

- *We can customize this product to your needs.*
- *If you do not find suitable specifications for your application please contact us for custom solution.*



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

MOTORIZED XY TRANSLATION STAGE (Travel: 200- 500mm)

This series XY stages are stacked by motorized linear stage. We can assemble the motorized linear stages to XY stage, XYZ stage, XZ stage. It is connected with our motion controller via DB9 interface and it can be controlled by our computer software via RS232 interface on controller.

Features:

- High precision ball screw, better repeatability.
- New bearings lock structure, suitable for repeatable movement with high speed.
- High precision linear slide guide, good linearity and high load capacity.
- Motor Type: Stepper motor.
- Hand wheel for manual drive.



Specification:

Travel Range	200mm x 200mm	300mm x 300mm	400mm x 400mm	500mm x 500mm
Platform Size	160x160mm		160x160mm	
Screw Pitch	5mm		5mm	
Resolution (8 Subdivision)	3.125μ		3.125μ	
Maximum Speed	40mm/sec		40mm/sec	
Repeatability	<5μ		<5μ	
Backlash	<30μ		<30μ	
Motor Type	NEMA17 Stepper Motor (1.8°)		NEMA23 Stepper Motor (1.8°)	
Maximum Static Torque	0.4Nm		1.2Nm	
Rated Current	1.7A		2.8A	
Center Load Capacity	23kg	22kg	39kg	38kg
Weight	13kg	15kg	21kg	24kg



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

Motion Controller:

We have 220V and 110V power supply options for each motion controller. The RS232 to USB conversion line can be used to connect the motion controller to laptop.

Model No.	Travel Range (X * Y)
M- XYTS – 12	200 x 200 mm
M- XYTS – 13	300 x 300 mm
M- XYTS – 14	400 x 400 mm
M- XYTS – 15	500 x 500 mm

Customize

- *We can customize this product to your needs.*
- *If you do not find suitable specifications for your application please contact us for custom solution.*



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

MOTORIZED XYZ TRANSLATION STAGE (Travel: 30 – 100 mm)

We can stack three stages in same series to XYZ stage with same or different travel range. We can also stack XYZ stage according to customer's request. It is connected with our [motion controller](#) via DB9 interface and it can be controlled by our computer software via RS232 interface on controller.

Features:

- High precision lapping screw, high solution.
- Crossed roller guide, high accuracy, and good linearity.
- Motor Type: Stepper motor drive and DB9 interface.
- Zero position switch and limit switch.
- Hand wheel for manual drive.



Specification:

Travel Range	30mm x 30mm x 30mm	50mm x 50mm x 50mm	100mm x 100mm x100mm
Screw Pitch	1mm		
Resolution (8 Subdivision)	0.625μ		
Maximum Speed	10mm/sec		
Repeatability	<5μ		
Backlash	<20μ		
Motor Type	NEMA17 Stepper Motor (1.8°)		
Maximum Static Torque	0.4Nm		
Rated Current	1.7A		
Center Load Capacity	6kg	5kg	4kg
Weight	4.5kg	5kg	7kg



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

Motion Controller:

We have 220V and 110V power supply options for each motion controller. The RS232 to USB conversion line can be used to connect the motion controller to laptop.

Model No.	Travel Range (X*Y*Z)
M – XYZ – TS – 16	30 x 30 x 30 mm
M – XYZ – TS – 17	50 x 50 x 50 mm
M – XYZ – TS – 18	100 x 100 x 100 mm

Customize

- *We can customize this product to your needs.*
- *If you do not find suitable specifications for your application please contact us for custom solution.*



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

MOTORIZED XYZ TRANSLATION STAGE (Travel: 150 – 400 mm)

We can assemble the motorized linear stages to XY stage, XYZ stage, XZ stage according to customer's requirement. It is connected with our motion controller via DB9 interface and it can be controlled by our computer software via RS232 interface on controller.



Features:

- High precision ball screw, better repeatability.
- Three bearings structure configuration, suitable for repeatable movement with high speed.
- High precision linear slide guide, good linearity and high load capacity.
- Motor Type: Stepper motor drive and DB9 interface.
- Hand wheel for manual drive.

Specification:

Travel Range	150mm x 150mm x 150mm	200mm x 200mm x 200mm	300mm x 300mm x 300mm	400mm x 400mm x 400mm
Platform Size	160x160mm		160x160mm	
Screw Pitch	5mm		5mm	
Resolution (8 Subdivision)	1.5625μ	3.125μ	3.125μ	
Maximum Speed	20mm/sec	40mm/sec	40mm/sec	
Repeatability	<5μ		<5 μ	
Backlash	<30μ		<30 μ	
Motor Type	NEMA 17 Stepper Motor	NEMA 17 Stepper Motor	NEMA 17 Stepper Motor	NEMA 23 Stepper Motor
Maximum Static Torque	0.4Nm		1.2Nm	
Rated Current	1.7A		2.8A	
Center Load Capacity	16kg	15kg	13kg	27kg
Weight	20kg	21.5kg	24.5kg	33.5kg



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

Motion Controller:

We have 220V and 110V power supply options for each motion controller. The [RS232 to USB conversion line](#) can be used to connect the motion controller to laptop.

Model No.	Travel Range (X*Y*Z)
M – XYZ – TS – 19	150 x 150 x 150 mm
M – XYZ – TS – 20	200 x 200 x 200 mm
M – XYZ – TS – 21	300 x 300 x 300 mm
M – XYZ – TS – 22	400 x 400 x 400 mm

Customize

- *We can customize this product to your needs.*
- *If you do not find suitable specifications for your application please contact us for custom solution.*



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

4- AXIS MOTORIZED STAGE

The 4-axis motorized stage is combined by three motorized linear stages and one motorized rotation stage. It provides four degrees of freedom adjustment. By using our motion controller, customer can control the stage automatically. We can assemble all kinds of multi-axis stage according to customer's requirement.

It is connected with our motion controller via DB9 interface and it can be controlled by our computer software via RS232 interface on controller.

Features:

- 4-axis motorized stage with translation and rotation function.
- Travel range of x, y, z axis stage is 150mm to 400mm.
- Travel range of rotation stage is 360°.
- Motor Type: NEMA 17 stepper motor drive and DB9 interface.
- Hand wheel for manual drive.



Specification:

Travel Range	XYZ Translation Stage: 150mm Rotation Stage: 360°
Platform Diameter	100mm
Aperture Diameter	ø30mm
XYZ Translation Stage Screw Pitch	5mm
Rotation Stage Transmission Ratio	180:1
Resolution (8 Subdivision)	XYZ Translation Stage: 1.5625μ Rotation stage: 0.00125°
Maximum Speed	XYZ Translation Stage: 20mm/sec Rotation stage: 25°/sec
Repeatability	XYZ Translation Stage: <5μ Rotation stage: <0.005°
Motor Type	XYZ Translation Stage: NEMA17 Stepper Motor Rotation stage: NEMA17 Stepper Motor
Backlash	<30μ
Maximum Static Torque	0.4Nm
Rated Current	1.7A
Rotation Stage Zero Position	Built-in
Center Load Capacity	10kg
Weight	23kg



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

Motion Controller:

We have 220V and 110V power supply options for each motion controller. The [RS232 to USB conversion line](#) can be used to connect the motion controller to laptop.

Model No.	Travel Range
4 Axis– XYZ - TS – 23	XYZ Translation Stage: 150mm Rotation Stage: 360°

Customize

- *We can customize this product to your needs.*
- *If you do not find suitable specifications for your application please contact us for custom solution.*



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

MOTORIZED ROTATION STAGE

Our motorized rotation stages adopt match lapping worm and gear structure, and the shaft system is precisely made by bearing steel. The motorized rotary stages featured high precision and big load capacity. Specially, the clearance elimination structure is designed for long time working.

This motorized rotation stage doesn't have central aperture and zero position. You also can choose our other two motorized rotation stages with aperture and zero position. The size of this motorized rotary stage is the smallest one in all of our motorized rotation stages. It is connected with our motion controller via DB9 interface and it can be controlled by our computer software via RS232 interface on controller.

Feature:

- Shaft system is precisely made by bearing steel, high precision and load capacity.
- Match lapping worm and gear structure, comfortable movement, small backlash.
- Clearance elimination structure design for long time working.
- Laser marking degree scale for reading and positioning.
- NEMA 17 stepper motor drive and DB9 interface.
- Hand wheel for manual drive.



Specification:

Platform Diameter	60mm
Transmission Ratio	90:1
Repeatability	<0.01°
Motor Type	NEMA17 Stepper Motor
Maximum Static Torque	0.4Nm
Rated Current	1.7A
Maximum Speed	50°/sec
Resolution (8-subdivision)	0.0025°
Aperture Diameter	N/A
Zero Position	N/A
Center Load Capacity	30kg
Weight	1kg



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

Motion Controller:

We have 220V and 110V power supply options for each motion controller. The [RS232 to USB conversion line](#) can be used to connect the motion controller to laptop.

Model No.	Platform Diameter
MRS – 24	60/100/200/300/400 mm

Customize

- *We can customize this product to your needs.*
- *If you do not find suitable specifications for your application please contact us for custom solution.*



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

MOTORIZED LAB JACK

The motorized lab jack adopts precision lapping screw and scissors structure, it is featured with high accuracy, good stability and high load capacity. The scissors structure ensures the platform dose not swing during lifting process. The screw pitch is 1.75mm, and it causes the motorized lab jack to have high accuracy.

It is connected with our motion controller via DB9 interface and it can be controlled by our computer software via RS232 interface on controller.

Features:

- Scissors structure, high stability.
- Precision lapping screw, high accuracy and big load capacity.
- Motor Type: NEMA 17 stepper motor drive and DB9 interface.
- Hand wheel for manual drive.

Specification

- Vertical height adjustment by ball screw.
- Precision roller linear guide.
- Motor Type: Stepper motor.
- M6 tapped holes at the top at 25mm grid.
- M6 clearance slots at the base.
- Material: Aluminium Alloy.
- Finish: Black Anodized.



Motion Controller:-

We have 220V and 110V power supply options for each motion controller. The RS232 to USB conversion line can be used to connect the motion controller to laptop.

Model No.	Size (L x B)	Load Capacity	Height (Max. Min.)
MLJ – 25	300 x 150 mm	25 kg	200 ,75
MLJ – 26	300 x 250 mm	35 kg	200 ,75
MLJ – 27	300 x 300 mm	35 kg	200 ,75
MLJ – 28	350 x 250 mm	40 kg	275, 105
MLJ – 29	350 x 300 mm	40 kg	275, 105
MLJ - 30	350 x 350 mm	50 kg	275, 105

Customize

- *We can customize this product to your needs.*
- *If you do not find suitable specifications for your application please contact us for custom solution.*



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

MOTORIZED MIRROR MOUNT

Motorized Mirror Mounts combines our traditional 5MBM24 Kinematic Mirror/Beamsplitter Mount with our designed Motorized Compact Actuator 8CMA20-8/15. Advantages. More precise positioning than with the manual adjusters. Ideal for use in closed systems. Integrated opto-electrical limit switches prevent damage, while providing homing - repeatability better than 10 arc sec.



Specification

Travel range	4 mm
Type	Kinematic
Optics diameter	1", 2", 3"
Clear aperture	23, 48, 74 mm
Resolution	<1 arc sec
Tilt range	9°(about two axes)
Speed (Standa 8SMC1-USBh controller)	from 1 arc sec/sec to 1°/sec
Installed actuators	2 x 8CMA20-8/15
Optocoupler end limit switches	2 per actuator, pushed is open
Cable	1,2 m length cable included
Motor connector	HDB15(M) (wiring diagram)
Recommended controllers	8SMC1-USBhF, 8SMC3-RS232, 8SMMC2
Material	Aluminum Alloy
Finish	Black anodized

Motion Controller:

We have 220V and 110V power supply options for each motion controller. The [RS232 to USB conversion line](#) can be used to connect the motion controller to laptop.

MODEL NO.

MMM - 31

Customize

- *We can customize this product to your needs.*
- *If you do not find suitable specifications for your application please contact us for custom solution.*



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

USB TO RS232 CONVERSATION LINE

Under the control of the driver running in the computer, USB to RS232 converter simulate USB interface of computer into traditional RS232 serial port (commonly known as the COM), which use the existing various programming software, communication software and monitoring software applications.

USB to RS232 converter can carry on the hardware I/O operations directly, even for applications programmers, like access to physical RS232 port. USB to RS232 cable support most of the traditional PLC programming, it communicates with PLC via connection of various traditional RS232 interface programming cable.

Features:

- USB to RS232 converter.
- Without external power supply.
- Support RS232 standard interface.
- 1Mbps data transmitting velocity.
- Support for hot-pluggable devices.
- Compatible for Windows 7 and Windows 8.



Specification:

- Length: 1.5m.
- Input: USB.
- Output: DB9 (COM).
- Support Port: RS232 standard serial port interface.
- OS: Window XP, Window7 & Window 8.

MODEL NO.

USB – RS232 – CL - 32



SCIENTIFIC COMPONENTS

Fac. : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-110 094

Correspondence Address: B-663, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

E-mail: scientific_components2005@yahoo.co-in, **Webiste** : www.scientificcomponents.com

OPTICS

Optics constitutes general purpose optical components used in an optical experimental setups. The components manufactured at World Technology include lenses, mirrors, beam splitters, prisms, filters, etc.

PLANO CONVEX LENS

Plano-convex lens is the most common item used for light focusing and collimation. Coated with antireflective coatings, lenses are used in imaging, lasers and fiber optics. Catalog items list consist of most common diameter and focal length uncoated lenses made from NBK7; UVFS; CaF2 and ZnSe. Any catalog lens can be coated with dielectric or metallic coating.

Specification



Material	NBK7, FS, UVFS, CaF2, ZnSe, Si, Ge
Diameter tolerance	+0/-0.1 mm
Thickness tolerance	±0.1 mm
Clear aperture	>90 %
Focal length tolerance	±3 %
Design wavelength	632.8 nm
Surface quality	40-20 S-D
Surface figure	< $\lambda/4$ @ 632.8 nm
Centration error	<3 arc min
Protective chamfers	<0,25 mm x 45°
Coating	Uncoated/ Single layer MgF2

Model No	Diameter (mm)	Edge thickness (mm)	Focal Length (mm)	ROC (mm)	Material
PCL – 01	12.7	2.0	+40	20.6	BK7
PCL – 02	12.7	2.0	+1000	515.09	BK7
PCL – 03	25.4	2.0	+150	77.36	BK7
PCL – 04	25.4	2.0	+200	103.02	BK7
PCL – 05	25.4	2.0	+1000	515.09	BK7
PCL – 06	12.7	2.0	+500	257.55	BK7
PCL – 07	50.8	3.0	+350	180.28	BK7
PCL – 08	12.7	2.0	+50	25.75	BK7
PCL – 09	12.7	2.0	+200	103.02	BK7
PCL – 10	25.4	2.0	+4000	2060.36	BK7
PCL – 11	12.7	2.0	+75	38.63	BK7
PCL – 12	12.7	2.0	+100	51.51	BK7
PCL – 13	12.7	2.0	+250	128.77	BK7
PCL – 14	25.4	2.0	+750	386.32	BK7
PCL – 15	12.7	2.0	+25	12.88	BK7
PCL – 16	25.4	2.0	+2500	1287.73	BK7
PCL – 17	50.8	3.0	+200	103.02	BK7
PCL – 18	12.7	2.0	+500	228.51	UVFS
PCL – 19	25.4	2.0	+3000	1371.04	UVFS
PCL – 20	25.4	2.0	+10000	4570.12	UVFS

Customize

We customize this product to your needs. If you do not find suitable specifications for your application please contact us for custom solution.

PLANO-CONCAVE LENSES

Plano-concave lens is the most common item used for light projection and beam expansion. Coated with antireflective coatings, lenses are used in various optical systems, lasers and assemblies. Catalog items list consist of most common diameter and focal length uncoated lenses made from NBK7; UVFS; CaF2 and ZnSe. Any catalog lens can be coated with dielectric or metallic coating.

Specification



Material	NBK7, FS, UVFS, CaF2, ZnSe, Si, Ge
Diameter tolerance	+0/-0.1 mm
Thickness tolerance	±0.1 mm
Clear aperture	>90 %
Focal length tolerance	±3 %
Design wavelength	632.8 nm
Surface quality	40-20 S-D
Surface figure	<λ/4 @ 632.8 nm
Centration error	<3 arc min
Protective chamfers	<0,25 mm x 45°

Model No	Diameter (mm)	Centre thickness (mm)	Focal Length (mm)	ROC (mm)	Material
PCL – 21	50.8	3.0	-1000	-515.09	BK7
PCL – 22	50.8	3.0	-2000	-914.02	UVFS
PCL – 23	12.7	2.0	-50	-25.75	BK7
PCL – 24	25.4	2.0	-75	-38.63	BK7
PCL – 25	12.7	2.0	-20	-10.3	BK7
PCL – 26	12.7	2.0	-30	-15.45	BK7
PCL – 27	50.8	3.0	-1000	-457.01	UVFS
PCL – 29	50.8	3.0	-500	-228.51	UVFS
PCL – 29	50.8	3.0	-1500	-685.52	UVFS
PCL – 30	12.7	2.0	-20	-9.14	UVFS
PCL – 31	25.4	2.0	-40	-18.28	UVFS
PCL – 32	12.7	2.0	-30	-13.71	UVFS
PCL – 33	25.4	2.0	-400	-182.8	UVFS
PCL – 34	25.4	2.0	-2000	-914.02	UVFS
PCL – 35	12.7	2.0	-50	-22.85	UVFS
PCL – 36	12.7	2.0	-150	-68.55	UVFS
PCL – 37	25.4	2.0	-250	-114.25	UVFS
PCL – 38	12.7	2.0	-75	-34.28	UVFS
PCL – 39	12.7	2.0	-250	-114.25	UVFS
PCL – 40	25.4	2.0	-50	-22.85	UVFS

Customize

You can customize this product to your needs. If you do not find suitable specifications for your application please contact us for custom solution.

DOUBLE – CONVEX LENSES

Biconvex lenses are used as magnifiers, objectives, condensing systems. Since both surfaces contribute to the power of biconvex lenses, they have shorter focal length than PCX lenses of equal diameter and surface radius. Under customer request anti-reflection or other types of coatings can applied.

Specification



Material	NBK7, FS, UVFS, CaF2, ZnSe, Si, Ge
Diameter tolerance	+0.0/-0.1 mm
Thickness tolerance	±0.1 mm
Clear Aperture	>90%
Focal Length Tolerance	±3 %
Design wavelength	632.8 nm
Surface Quality	40/20 S/D
Surface figure	< $\lambda/4$ @ 632.8 nm
Centration error	<3 arc min
Protective chamfers	<0,25 mm x 45 deg.

Model No.	Diameter (mm)	Edge Thickness (mm)	Focal length (mm)	ROC1 (mm)	ROC2 (mm)	Material
DCL - 41	25.4	2.0	+40	35.48	-35.48	UVFS
DCL – 42	12.7	2.0	+12	11.25	-11.25	BK7
DCL – 43	12.7	2.0	+15	14.57	-14.57	BK7
DCL – 44	12.7	2.0	+20	19.88	-19.88	BK7
DCL – 45	25.4	2.0	+50	50.6	-50.6	BK7
DCL – 46	25.4	2.0	+25	24.07	-24.07	BK7
DCL – 47	25.4	2.0	+30	29.53	-29.53	BK7
DCL – 48	25.4	2.0	+35	34.86	-34.86	BK7
DCL – 49	12.7	2.0	+15	12.81	-12.81	UVFS
DCL – 50	12.7	2.0	+20	17.56	-17.56	UVFS
DCL – 51	12.7	2.0	+25	22.23	-22.23	UVFS
DCL – 52	25.4	2.0	+30	25.99	-25.99	UVFS
DCL - 53	25.4	2.0	+50	44.79	-44.79	UVFS

Customize

You can customize this product to your needs. If you do not find suitable specifications for your application please contact us for custom solution.

DOUBLE – CONCAVE LENSES

The biconcave lenses are used in optical systems in combination with other lenses. These lenses also work as beam expanders, optical character readers, viewers and projection systems. Under customer request anti-reflection or other types of coatings can applied.



Specification

Material	BK7, FS, UVFS, CaF2, ZnSe, Si, Ge
Diameter tolerance	+0.0/-0.1 mm
Thickness tolerance	±0.1 mm
Clear Aperture	>90%
Focal Length Tolerance	±3 %
Design wavelength	632.8 nm
Surface Quality	40/20 S/D
Surface figure	< $\lambda/4$ @ 632.8 nm
Centration error	<3 arc min
Protective chamfers	<0,25 mm x 45 deg.

Model No.	Diameter (mm)	Edge Thickness (mm)	Focal length (mm)	ROC1 (mm)	ROC2 (mm)	Material
DCL - 54	25.4	7.0	-50	-46.43	46.43	UVFS
DCL – 55	12.7	4.5	-20	-21.11	21.11	BK7
DCL – 56	12.7	5.0	-15	-15.85	15.85	BK7
DCL – 57	25.4	7.0	-50	-52.16	52.16	BK7
DCL – 58	12.7	5.0	-12	-12.59	12.59	BK7
DCL – 59	25.4	7.0	-35	-36.71	36.71	BK7
DCL – 60	25.4	8.0	-30	-31.41	31.41	BK7
DCL – 61	25.4	8.0	-25	-26.11	26.11	BK7
DCL – 62	12.7	5.0	-20	-18.75	18.75	UVFS
DCL – 63	12.7	4.5	-25	-23.32	23.32	UVFS
DCL – 64	12.7	5.0	-15	-14.11	14.11	UVFS
DCL – 65	25.4	8.0	-40	-37.12	37.12	UVFS
DCL - 66	25.4	8.0	-30	-27.81	27.81	UVFS

Customize

You can customize this product to your needs. If you do not find suitable specifications for your application please contact us for custom solution.

MENISCUS LENSES

Meniscus lenses have two curved surfaces one of which is protrusive while other is intrusive, also these lenses are referred to as convex-concave lenses. Radii of curvature of both surface can be chosen independently from each other. Meniscus lenses find application in optical systems, where aberrations need to be minimized, for instance in multi lens focusing objective, where it helps to minimize focal spot of the beam. The same benefit is applied in collimators. Another advantage is that meniscus design allows to make longer focal length lenses than the ones available in Plano-convex design. Lenses with equal radii of curvature on opposite sides serve well as substrates for resonator mirrors.

Specification



Material	BK7, FS, UVFS, CaF2, ZnSe
Diameter tolerance	+0/-0.1 mm
Thickness tolerance	±0.5 mm
Clear aperture	>90 %
ROC tolerance	±1 %
Design wavelength	632.8 nm
Surface quality	40-20 S-D
Surface figure	< $\lambda/4$ @ 632.8 nm
Centration error	<3 arc min
Protective chamfers	<0,25 mm x 45°
Coating	Uncoated/ Single Layer MgF2/Broadband AR

Model No.	Type	Focal Length
ML – 67	Positive	100
ML – 68	Positive	125
ML – 69	Positive	150
ML – 70	Positive	200
ML – 71	Positive	250
ML – 72	Positive	300
ML – 73	Positive	500
ML – 74	Negative	100
ML – 75	Negative	125
ML – 76	Negative	150
ML – 77	Negative	200
ML – 78	Negative	250
ML – 79	Negative	300
ML – 80	Negative	500

Customize

You can customize this product to your needs. If you do not find suitable specifications for your application please contact us for custom solution.

POSITIVE CYLINDRICAL LENSES

They are used to focus light to a thin line for effective harmonic generation in nonlinear crystals, in laser scanners, spectroscopy, dye lasers, acousto-optics or other applications. They are the best for circularization of diode laser outputs, energy collection for linear detectors or for coupling to a slit input.

Specification



Material	BK7, FS, UVFS, CaF2, ZnSe
Dimensional tolerances	+0/-0.1 mm
Edge thickness	2 mm
Thickness tolerance	±0.1 mm
Clear aperture	>90 %
Focal length tolerance	±3 %
Design wavelength	632.8 nm
Surface quality	40-20 S-D
Surface figure	< $\lambda/4$ @ 632.8 nm
Centration error	<3 arc min
Protective chamfers	<0,25 mm x 45°

Model No.	Size (mm)	Focal Length (mm)	Material
PCL - 81	10x10	+1000	BK7
PCL - 82	10x10	+175	UVFS
PCL - 83	10x10	+200	UVFS
PCL - 84	20x20	+500	UVFS
PCL - 85	20x20	+50	UVFS
PCL - 86	20x20	+175	BK7
PCL - 87	20x20	+200	BK7
PCL - 88	20x20	+2000	UVFS
PCL - 89	30x30	+3000	UVFS
PCL - 90	20x20	+500	BK7
PCL - 91	30x30	+1000	BK7
PCL - 92	20x20	+50	BK7
PCL - 93	20x20	+100	BK7
PCL - 94	10x10	+100	BK7
PCL - 95	10x10	+50	BK7
PCL - 96	10x10	+175	BK7
PCL - 97	10x10	+200	BK7
PCL - 98	10x10	+500	BK7
PCL - 99	20x20	+1000	BK7
PCL - 100	20x20	+2000	BK7

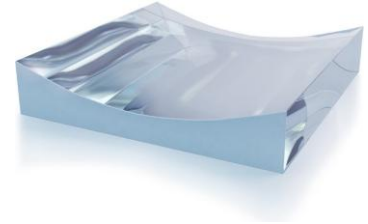
Customize

You can customize this product to your needs. If you do not find suitable specifications for your application please contact us for custom solution.

NEGATIVE CYLINDRICAL LENSES

Cylindrical lenses with negative focal length expand beam along one coordinate. Typical application for the lenses is beam shaping. Round laser beam can be focused into a line-spot with help of the lens. Anamorphic shape of the image/beam can be realized by using pair of cylindrical lenses, which makes it irreplaceable tool for circularization of diode laser output beams.

Specification



Material	BK7, FS, UVFS, CaF2, ZnSe
Dimensional tolerances	+0/-0.1 mm
Center thickness	3 mm
Thickness tolerance	±0.1 mm
Clear aperture	>90 %
Focal length tolerance	±3 %
Design wavelength	632.8 nm
Surface quality	40-20 S-D
Surface figure	< $\lambda/4$ @ 632.8 nm
Centration error	<3 arc min
Protective chamfers	<0,25 mm x 45°

Model No.	Size (mm)	Focal Length (mm)	Material
NCL – 101	30x30	-500	UVFS
NCL – 102	30x30	-1000	BK7
NCL – 103	30x30	-3000	BK7
NCL – 104	30x30	-1000	UVFS
NCL – 105	20x20	-150	BK7
NCL – 106	10x10	-50	BK7
NCL – 107	10x10	-100	BK7
NCL – 108	10x10	-180	BK7
NCL – 109	10x10	-200	BK7
NCL – 110	10x10	-400	BK7
NCL – 111	10x10	-500	BK7
NCL – 112	10x10	-600	BK7
NCL – 113	10x10	-1000	BK7
NCL – 114	20x20	-50	BK7
NCL – 115	20x20	-100	BK7
NCL – 116	20x20	-200	BK7
NCL – 117	20x20	-500	BK7
NCL – 118	20x20	-1000	BK7
NCL – 119	10x10	-50	UVFS
NCL – 120	10x10	-100	UVFS

Customize

You can customize this product to your needs. If you do not find suitable specifications for your application please contact us for custom solution.

ACHROMATIC LENSES

Cemented achromatic duplet lenses are optimized to provide excellent chromatic and spherical aberrations free performance. Optimized composition of two lenses, where one is made of dense flint and second of crown glass, assures much tighter focus than singlet spherical lenses due to minimized longitudinal and transverse spherical aberrations. They also feature nearly constant focal length across wide range of wavelengths. Standard achromatic duplet lenses cover two ranges – visible (400 nm – 700 nm) and near infrared (700 nm – 1050 nm).

Specification

Material	All type of material are available to design the optimal achromats
Diameter tolerance	+0/-0.1 mm
Thickness tolerance	±0.1 mm
Clear aperture	>90 %
Focal length tolerance	±3 %
Surface quality	60-40 S-D
Surface figure	λ/4 @ 632.8nm
Centration error	<3 arc min
Protective chamfers	<0,25 mm x 45°



Model No.	Diameter (mm)	Focal Length (mm)	AR Coating	Optimal Wavelength Range
ACL – 121	12.7	+50	VIS (400 - 700 nm)	400-700 nm
ACL – 122	12.7	+50	VIS (400 - 700 nm)	400-700 nm
ACL – 123	12.7	+75	VIS (400 - 700 nm)	400-700 nm
ACL – 124	12.7	+30	VIS (400 - 700 nm)	400-700 nm
ACL – 125	12.7	-50	VIS (400 - 700 nm)	400-700 nm
ACL – 126	12.7	-75	VIS (400 - 700 nm)	400-700 nm
ACL – 127	12.7	-100	VIS (400 - 700 nm)	400-700 nm
ACL – 128	12.7	+30	NIR (700 - 1050 nm)	700-1050 nm
ACL – 129	12.7	+50	NIR (700 - 1050 nm)	700-1050 nm
ACL – 130	12.7	+75	NIR (700 - 1050 nm)	700-1050 nm
ACL – 131	12.7	-50	NIR (700 - 1050 nm)	700-1050 nm
ACL – 132	12.7	-75	NIR (700 - 1050 nm)	700-1050 nm
ACL – 133	12.7	-100	NIR (700 - 1050 nm)	700-1050 nm
ACL – 134	25.4	+100	VIS (400 - 700 nm)	400-700 nm
ACL – 135	25.4	+125	VIS (400 - 700 nm)	400-700 nm
ACL – 136	25.4	+150	VIS (400 - 700 nm)	400-700 nm
ACL – 137	25.4	+200	VIS (400 - 700 nm)	400-700 nm
ACL – 138	25.4	+250	VIS (400 - 700 nm)	400-700 nm
ACL – 139	25.4	+300	VIS (400 - 700 nm)	400-700 nm
ACL – 140	25.4	-150	VIS (400 - 700 nm)	400-700 nm
ACL - 141	25.4	-200	VIS (400 - 700 nm)	400-700 nm

Customize

You can customize this product to your needs. If you do not find suitable specifications for your application please contact us for custom solution.

ASPHERICAL LENSES

We provide computer calculations and designing of aspherical lenses without spherical aberrations as well as low cost production of aspherical lenses made of Fused Silica, BK7 glass or other material upon your request.

Properties and Spherical Aberration of Standard Spherical Lenses

Aspherical lens is produced by exactly cutting away some part of a spherical surface. A standard spherical lens has the undesirable property (called spherical aberration) of causing a stronger diffraction of light rays the further it is from the optical axis of the lens. The spherical aberration causes a loss of image sharpness.

Properties of Aspherical Lenses

Properly designed aspherical lenses fully compensate spherical aberrations. Aspherical lenses are effective in the elimination of not only spherical aberration, but also other forms of aberration generated by lenses. Aspherical lenses are also used to compensate for distortion aberration.

Specification



Diameter Tolerance	+0.0/ -0.15mm
Thickness tolerance	±0.1 mm
Clear aperture	>90 %
Focal Length Tolerance	±3 %
Design wavelength	632.8 nm
Surface Quality	60-40 SD
Surface figure	< $\lambda/4$ @ 632.8 nm
Centration error	<3 arc min
Protective chamfers	<0,25 mm x 45 deg

Model No.	Diameter (mm)	Effective Focal Length (mm)	NA	Optimal Wavelength Range
ASL – 142	6.33	4.00	0.60	400-700
ASL – 143	4.70	4.50	0.42	400-700
ASL – 144	7.20	6.24	0.40	400-700
ASL – 145	9.94	8.00	0.50	400-700
ASL – 146	7.20	11.00	0.25	400-700
ASL – 147	6.50	15.29	0.16	400-700
ASL – 148	6.50	18.40	0.15	400-700
ASL – 149	6.33	4.00	0.60	600-1050
ASL – 150	4.70	4.50	0.42	600-1050
ASL – 151	7.20	6.24	0.40	600-1050
ASL – 152	9.94	8.00	0.50	600-1050
ASL – 153	7.20	11.00	0.25	600-1050
ASL – 154	6.50	15.29	0.16	600-1050
ASL – 155	6.50	18.40	0.15	600-1050

Customize

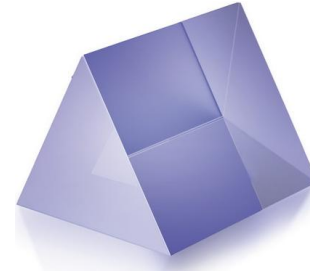
You can customize this product to your needs. If you do not find suitable specifications for your application please contact us for custom solution.

DISPERSING PRISMS

Dispersing prisms have three 60° angles therefore they are also referred to as equilateral prisms. It provides advantage over diffraction gratings where higher orders diffraction effect is unwanted. Typical applications is wavelength angular separation, where the prism is placed in a beam path to refract the beam twice. Common scheme is to use the prism in minimal deviation angle, which is achieved by aligning the wavelength of interest to travel in parallel to the prism base. This ensures, that angles of incident and refracted beams are equal in respect to corresponding surfaces. This alignment provides benefit of maximum clear aperture and least overall reflection loss for p-polarization.

Specification

Material	BK7, UVFS
Dimensional tolerances	+0/-0,2 mm
Clear aperture	>80 %
Angle tolerance	±2 arc min
Surface quality	40-20 S-D
Surface flatness	< $\lambda/4$ @ 632.8 nm
Protective chamfers	<0,25 mm x 45°



Model No.	Dimension (A x L)	Coating	Material
DP – 156	12.7 x 12.7 mm	Uncoated	UVFS
DP – 157	25.4 x 25.4 mm	Uncoated	BK7
DP – 158	12.7 x 12.7 mm	Uncoated	BK7
DP – 159	25.4 x 25.4 mm	Uncoated	UVFS

Customize

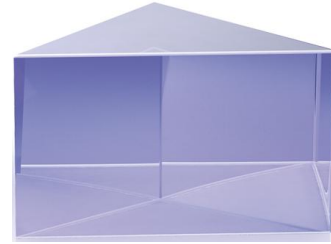
You can customize this product to your needs. If you do not find suitable specifications for your application please contact us for custom solution.

RIGHT-ANGLE PRISMS

The right angle prisms are often preferable to an inclined mirror in applications involving severe acoustic or inertial loads, because they are easier to mount, and deform much less than mirror in response to external mechanical stress. As long as acceptance angle limitations for TIR from the roof faces are not exceeded, the right angle prisms can serve as a retro reflector, turning beams back to the original direction.

Specification

Material	BK7, UVFS
Dimensional tolerances	+0/-0,2 mm
Clear aperture	>80 %
90° angle tolerance	±2 arc min (General type) ±5 arc sec (Precision type)
Pyramidal tolerance	±1 arc min (General type) ±30 arc sec (Precision type)
Surface quality	40-20 S-D
Surface flatness	<λ/4 @ 632.8 nm
Protective chamfers	<0,25 mm x 45°



Model No.	Dimension (A x B x C)	Angle Tolerance	Material
RAP – 160	20.0 x 20.0 x 20.0	General type	BK7
RAP – 161	25.4 x 25.4 x 25.4	General type	BK7
RAP – 162	20.0 x 20.0 x 20.0	General type	UVFS
RAP – 163	12.7 x 12.7 x 12.7	General type	UVFS
RAP – 164	25.4 x 25.4 x 25.4	General type	UVFS
RAP – 165	12.7 x 12.7 x 12.7	Precision type	UVFS
RAP – 166	20.0 x 20.0 x 20.0	Precision type	UVFS
RAP – 167	25.4 x 25.4 x 25.4	Precision type	UVFS
RAP- 168	12.7 x 12.7 x 12.7	General type	BK7

Customize

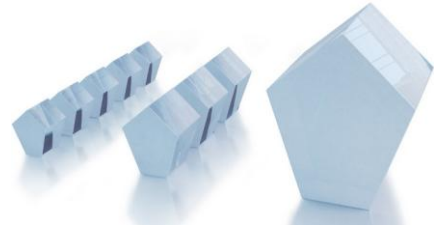
You can customize this product to your needs. If you do not find suitable specifications for your application please contact us for custom solution.

PENTA PRISMS

The penta prism will neither invert nor reverse the image. Penta prisms are extremely useful in alignment systems as they define a right angle very precisely and independently of angle of incidence. Rays entering one face emerge from the adjacent face at precisely 90 deg after they have undergone two reflections inside the prism for a total of 270 deg. The penta prism acts as a turning mirror which is insensitive to alignment.

Specification

Material	BK7, UVFS
Dimension tolerances	+0.0/-0,2 mm
Clear Aperture	>80%
90 deg Deviation Tolerance	<30 arc sec
Surface Quality	40-20 S-D
Surface flatness	$\lambda/4$ @ 632.8 nm
Protective chamfers	<0,25 mm x 45 deg



Model No.

PP – 169

Customize

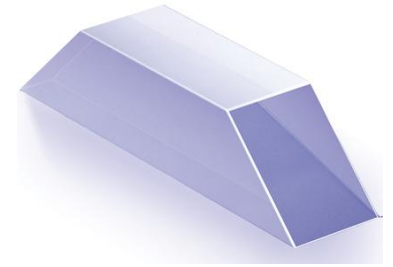
You can customize this product to your needs. If you do not find suitable specifications for your application please contact us for custom solution.

DOVE PRISMS

Dove prisms are shaped from a truncated right-angle prism. A beam of light entering one of the sloped faces of the prism undergoes total internal reflection from the inside of the longest (bottom) face and emerges from the opposite sloped face. Images passing through the prism are flipped, and because only one reflection takes place, the image's handedness is changed to the opposite sense. Dove prisms have an interesting property - when they are rotated along their longitudinal axis, the transmitted image rotates at twice the rate of the prism. It is very important that the application must be used with parallel or collimated beam and the large square reflective surface should be kept very clean. Another application is used as a retro reflector. For this application it performs as a right-angle prism.

Specification

Material	BK7, UVFS
Dimension tolerances	+0.0/-0,2 mm
Clear Aperture	>80%
Angle Tolerance	< 3 arc min
Surface Quality	40/20 S/D
Surface flatness	$\lambda/4$ @ 632.8 nm
Protective chamfers	<0,25 mm x 45 deg



Model No.

DP – 170

Customize

You can customize this product to your needs. If you do not find suitable specifications for your application please contact us for custom solution.

WEDGE PRISMS

It diverts light toward its thicker portion. By selecting the appropriate wedge it is simple to create a precise beam deviation without affecting other beam parameters. If two wedges are used together with the sloping surfaces in close proximity it is possible to produce a continuous variation of beam deviation by counter - rotating the wedges.

Specification

Material	BK7, UVFS
Dimension tolerances	+0.0/-0,2 mm
Clear Aperture	90%
Wedge tolerance	±3 arc min
Surface Quality	40-20 S-D
Surface Flatness	<λ/4 @ 632.8 nm
Protective chamfers	<0,25 mm x 45 deg



Model No.

WP – 171

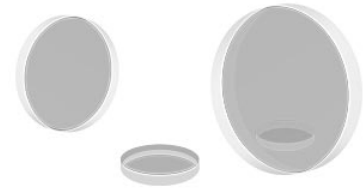
Customize

You can customize this product to your needs. If you do not find suitable specifications for your application please contact us for custom solution.

CIRCULAR WINDOWS

Windows are designed for the use in optical systems to separate two environments while passing a particular spectral range between them. Applications include laser set-ups, emitter / detector protection devices and imaging systems involving ultraviolet wavelengths.

Specification



Surface Quality	40 - 20 (scratch-dig)
Dimensional Tolerance	+0.0, -0.2 mm
Thickness Tolerance	+0.0, -0.2 mm
Surface Flatness	$\lambda/4$ @632.8nm
Bevel	0.2 mm x 45 °
Parallelism	≤ 1 arc min or 3 arc min
Coating	(Optional) 1. Uncoated 2. Single Layer MgF2 3. Broadband AR (Ravg <0.5% @ 400-700nm)
Material	N - BK7 & Fused Silica

Model No	Diameter (mm)	Thickness (mm)	Parallelism (arc min)	Material
CW – 172	10	5	1	N - BK7 / Fused Silica
CW – 173	10	5	3	N - BK7 / Fused Silica
CW – 174	15	5	1	N - BK7 / Fused Silica
CW – 175	15	5	3	N - BK7 / Fused Silica
CW – 176	20	5	1	N - BK7 / Fused Silica
CW – 177	20	5	3	N - BK7 / Fused Silica
CW – 178	25	6	1	N - BK7 / Fused Silica
CW – 179	25	6	3	N - BK7 / Fused Silica
CW – 180	30	8	1	N - BK7 / Fused Silica
CW – 181	30	8	3	N - BK7 / Fused Silica
CW – 182	40	8	1	N - BK7 / Fused Silica
CW – 183	40	8	3	N - BK7 / Fused Silica
CW – 184	50	8	1	N - BK7 / Fused Silica
CW – 185	50	8	3	N - BK7 / Fused Silica

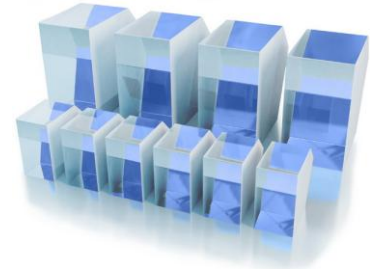
Customize

You can customize this product to your needs. If you do not find suitable specifications for your application please contact us for custom solution.

BEAMSPLITTER PENTA PRISM

By adding a wedge and with partial reflective coating on first reflective surface (S1), Penta prism can be used as a beam splitter. We supply beam splitter penta prism with standard transmission/reflection (T/R) ratio of 20/80%, 50/50%. Other T/R ratios are available upon request.

Specification



Material	BK7, UVFS, TF10, IRFS, FS
Dimensions A x h	7 x 7, 8 x 8, 10 x 10, 12 x 12, 15 x 15, 20 x 20
Flatness:	$< \lambda / 4 @ 633 \text{ nm}$
Surface Quality	40 - 20 scratch and dig
90 deg, 180 deg deviation tolerance	$< 30 \text{ arc seconds}$
Dimension Tolerance	$\pm 0.2 \text{ mm}$

Model No.

BSPP – 186

Customize

You can customize this product to your needs. If you do not find suitable specifications for your application please contact us for custom solution.

INTERFERENCE FILTERS

We supply high quality standard and custom-made interference filters within the spectral range from 250 nm to 5000 nm. We also can offer biomedical band pass filters, which are specially designed for biomedical instrumentation, including chemistry analyzers and micro plate readers. These band pass filters include standard or custom matched filters. Fluorescence filters, which we can supply includes such features as steep slopes, deep blocking (up to OD 6), minimal spectral crosstalk, high transmission and environmental durability.

Specification

Mount diameter	25.4 mm (+0/-0.2 mm)
Clear aperture	> 18 mm
Surface quality	60-40 S-D
Blocking	< 0,01%
Bandwidth tolerance	±20 %



Model No.	Band pass Filter	Bandwidth (FWHM)	Central Wavelength	Peak transmittance (%)
IF – 187	VIS	10 nm	405 nm	35
IF – 188	VIS	10 nm	510 nm	45
IF – 189	VIS	10 nm	515 nm	50
IF – 190	VIS	10 nm	532 nm	55
IF – 191	VIS	10 nm	633 nm	55
IF – 192	VIS	10 nm	650 nm	50
IF – 193	VIS	10 nm	670 nm	55
IF – 194	NIR	10 nm	795 nm	50
IF – 195	NIR	10 nm	830 nm	70
IF – 196	NIR	10 nm	850 nm	70
IF – 197	NIR	10 nm	880 nm	70
IF – 198	NIR	10 nm	940 nm	70
IF – 199	NIR	10 nm	1064 nm	70
IF – 200	VIS	10 nm	410 nm	35
IF – 201	VIS	20 nm	426 nm	50
IF – 202	VIS	8 nm	436 nm	35
IF – 203	VIS	10 nm	442 nm	50
IF – 204	VIS	10 nm	486 nm	60
IF – 205	VIS	10 nm	488 nm	45
IF – 206	VIS	10 nm	520 nm	50

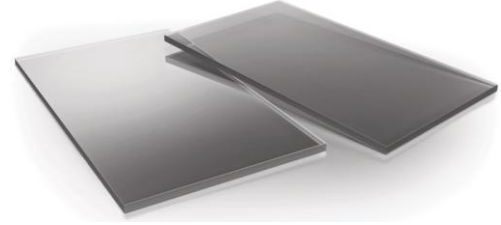
Customize

You can customize this product to your needs. If you do not find suitable specifications for your application please contact us for custom solution.

ABSORPTIVE NEUTRAL DENSITY FILTERS

Neutral density laser radiation filters with custom transmittance, dimensions and shape. Neutral density absorption type filters decrease intensity of light without altering the relative spectral distribution of the energy. Attenuation is accomplished by using an absorbing type glass.

Specification



Material	NG1, NG4, NG9 & NG11
Diameter tolerance	+0/-0.2 mm
Clear aperture	>90 %
Surface quality	60-40 S-D
Surface flatness	< λ @ 632.8 nm
Parallelism error	<3 arc min
Protective chamfers	<0,25 mm x 45°
Designed for VIS range (400-700 nm)	

Model No.	Dimension (mm)	Optical Density	Average transmission in VIS	Type
ANDF – 207	Ø12.7	2.0	1 %	Mounted/ Unmounted
ANDF – 208	Ø12.7	3.0	0.1 %	Mounted/ Unmounted
ANDF – 209	Ø25.4	1.5	3 %	Mounted/ Unmounted
ANDF – 210	50.8 x 50.8	0.8	15 %	Mounted/ Unmounted
ANDF – 211	50.8 x 50.8	0.4	40 %	Mounted/ Unmounted
ANDF – 212	Ø12.7	0.1	80 %	Mounted/ Unmounted
ANDF – 213	Ø12.7	0.3	50 %	Mounted/ Unmounted
ANDF – 214	Ø25.4	0.5	30 %	Mounted/ Unmounted
ANDF – 215	50.8 x 50.8	0.2	60 %	Mounted/ Unmounted
ANDF – 216	Ø12.7	0.8	15 %	Mounted/ Unmounted
ANDF – 217	Ø12.7	1.0	10 %	Mounted/ Unmounted
ANDF – 218	50.8 x 50.8	3.0	0.1 %	Mounted/ Unmounted
ANDF – 219	Ø25.4	1.0	10 %	Mounted/ Unmounted
ANDF – 220	Ø25.4	3.0	0.1 %	Mounted/ Unmounted
ANDF – 221	Ø25.4	0.8	15 %	Mounted/ Unmounted
ANDF – 222	Ø25.4	0.3	50 %	Mounted/ Unmounted
ANDF – 223	Ø25.4	0.1	80 %	Mounted/ Unmounted
ANDF – 224	Ø12.7	0.2	60 %	Mounted/ Unmounted
ANDF – 225	Ø12.7	0.4	40 %	Mounted/ Unmounted
ANDF – 226	Ø12.7	0.5	30 %	Mounted/ Unmounted

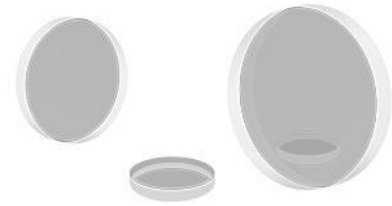
Customize

You can customize this product to your needs. If you do not find suitable specifications for your application please contact us for custom solution.

REFLECTIVE NEUTRAL DENSITY FILTERS

Neutral density laser radiation filters with custom transmittance, dimensions and shape. Neutral density reflexion type filters decrease intensity of light without altering the relative spectral distribution of the energy.

Specification



Material	N-BK7
Diameter tolerance	+0/-0.2 mm
Clear Aperture	>90%
Surface Quality	60/40 S/D
Surface Flatness	< λ @ 632.8 nm
Parallelism error	<3 arc min
Protective chamfers	<0,25 mm x 45 deg
Designed for VIS range (400-700 nm)	

Model No.	Diameter (mm)	Optical Density	Type
RNDF – 227	12.5	0.1	Mounted/ Unmounted
RNDF – 228	12.5	0.2	Mounted/ Unmounted
RNDF – 229	12.5	0.3	Mounted/ Unmounted
RNDF – 230	12.5	0.4	Mounted/ Unmounted
RNDF – 231	12.5	0.5	Mounted/ Unmounted
RNDF – 232	12.5	0.6	Mounted/ Unmounted
RNDF – 233	12.5	1.0	Mounted/ Unmounted
RNDF – 234	12.5	1.3	Mounted/ Unmounted
RNDF – 235	12.5	2.0	Mounted/ Unmounted
RNDF – 236	12.5	3.0	Mounted/ Unmounted
RNDF – 237	12.5	4.0	Mounted/ Unmounted
RNDF – 238	12.5	5.0	Mounted/ Unmounted
RNDF – 239	12.5	6.0	Mounted/ Unmounted
RNDF – 240	25	0.1	Mounted/ Unmounted
RNDF – 241	25	0.2	Mounted/ Unmounted
RNDF – 242	25	0.3	Mounted/ Unmounted
RNDF – 243	25	0.4	Mounted/ Unmounted
RNDF – 244	25	0.5	Mounted/ Unmounted
RNDF – 245	25	0.6	Mounted/ Unmounted
RNDF – 246	25	1.0	Mounted/ Unmounted
RNDF – 247	25	1.3	Mounted/ Unmounted
RNDF – 248	25	2.0	Mounted/ Unmounted
RNDF – 249	25	3.0	Mounted/ Unmounted
RNDF – 250	25	4.0	Mounted/ Unmounted
RNDF – 251	25	5.0	Mounted/ Unmounted
RNDF – 252	25	6.0	Mounted/ Unmounted

Customize

You can customize this product to your needs. If you do not find suitable specifications for your application please contact us for custom solution.

HR Broad Band Mirrors

These multilayer coatings offers high reflectivity for broad spectrum. Therefore, it is the ideal for a wide range of multi-wavelength laser or white light applications. Coatings are provided by Ion Beam Sputtering (IBS) or Electron beam evaporation with/without Ion assistance coating techniques. Broad Band HR coatings (BBHR) can highly reflect wavelength range of 10% of the central wavelength (CWL). For instance, BBHR @ 800nm can reflect wavelength range of 750-850nm or even wider upon request.

Specification

Diameter tolerance	+0/-0.1 mm
Thickness tolerance	±0.1 mm
Clear aperture	>90 %
Surface quality	20-10 S-D
Surface flatness	< $\lambda/8$ @ 632.8 nm
Protective chamfers	<0,25 mm x 45°
Measured reflectivity	R>99 % @ AOI=0°, Ravg>99 % @ AOI=45°
Coating adhesion and durability	Per MIL-C-675A



Model No.	Dimension (mm)	Wavelength (nm)	Reflectivity (Avg) %	Substrate	AOI
HR - BBM – 253	Ø25.4 x 6	400-700	>99.0	BK7	45 deg
HR - BBM – 254	Ø25.4 x 6	900-1200	>99.0	BK7	0 deg
HR - BBM – 255	Ø25.4 x 6	900-1200	>99.0	BK7	45 deg
HR - BBM – 256	Ø25.4 x 6	750-850	>99.0	BK7	0 deg
HR - BBM – 257	Ø12.7 x 6	750-850	>99.0	BK7	0 deg
HR - BBM – 258	Ø12.7 x 6	750-850	>99.0	BK7	45 deg
HR - BBM –259	Ø12.7 x 6	400-700	>99.0	BK7	0 deg
HR - BBM –260	Ø12.7 x 6	400-700	>99.0	BK7	45 deg
HR - BBM –261	Ø12.7 x 6	700-950	>99.0	BK7	0 deg
HR - BBM –262	Ø12.7 x 6	900-1200	>99.0	BK7	0 deg
HR - BBM –263	Ø12.7 x 6	700-950	>99.0	BK7	45 deg
HR - BBM –264	Ø12.7 x 6	900-1200	>99.0	BK7	45 deg
HR - BBM –265	Ø50.8 x 8	750-850	>99.0	BK7	45 deg
HR - BBM –266	Ø50.8 x 8	700-950	>99.0	BK7	45 deg
HR - BBM –267	Ø50.8 x 8	900-1200	>99.0	BK7	45 deg
HR - BBM –268	Ø50.8 x 8	400-700	>99.0	BK7	45 deg
HR - BBM –269	Ø25.4 x 6	750-850	>99.0	BK7	45 deg
HR - BBM –270	Ø25.4 x 6	400-700	>99.0	BK7	0 deg
HR - BBM –271	Ø25.4 x 6	700-950	>99.0	BK7	0 deg
HR - BBM –272	Ø25.4 x 6	700-950	>99.0	BK7	45 deg
HR - BBM –273	Ø25.4 x 6	400-700	>99.0	BK7	45 deg
HR - BBM – 274	Ø25.4 x 6	900-1200	>99.0	BK7	0 deg
HR - BBM –275	Ø25.4 x 6	900-1200	>99.0	BK7	45 deg
HR - BBM –276	Ø25.4 x 6	750-850	>99.0	BK7	0 deg
HR - BBM –277	Ø12.7 x 6	750-850	>99.0	BK7	0 deg
HR - BBM –278	Ø12.7 x 6	750-850	>99.0	BK7	45 deg

Customize

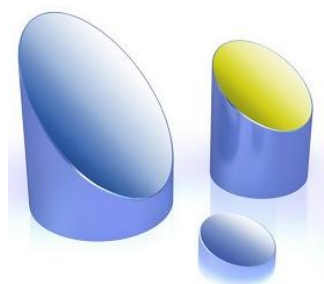
You can customize this product to your needs. If you do not find suitable specifications for your application please contact us for custom solution.

OFF-AXIS PARABOLIC METAL MIRRORS

The main property of Off-axis parabolic mirror is to focus light at an angle with beam propagation axis. This allows to avoid comatic aberration (or coma) that would emerge in case of using spherical mirror at an angle. Off-axis parabolic mirrors come into assistance where usage of transmitting optics is limited, for example due to chromatic aberrations, group velocity dispersion (GVD) or spectral bandwidth. Standard items comprise parabolic mirrors machined by diamond turning technique and coated with protected gold and silver coatings.

Specification

Material	Aluminium
Diameter tolerance	+0/-0.4 mm
Clear aperture	>80 %
Focal length tolerance	±1 %
Surface roughness	<17.5 nm (RMS)
Surface figure	< $\lambda/4$ @ 632.8 nm (RMS)
Laser damage threshold	Protected Aluminum: >0.25 J/cm ² for 10 ns pulses @1064 nm Protected Gold: >0.9 J/cm ² for 10 ns pulses @1064 nm



Model No.	Diameter	Angle Deg.	Parent Focal Length	Y offset axis	Reflected Effective FL	Coating
Off - APMM – 279	25.4 mm	60	38.1 mm	43.99 mm	50.8	Protected Aluminum
Off - APMM – 280	25.4 mm	60	50.8 mm	58.64 mm	67.74	Protected Aluminum
Off - APMM – 281	25.4 mm	90	12.7 mm	25.4 mm	25.4	Protected Aluminum
Off - APMM – 282	25.4 mm	90	25.4 mm	50.8 mm	50.80	Protected Aluminum
Off - APMM – 283	25.4 mm	90	50.8 mm	101.6 mm	101.6	Protected Aluminum
Off - APMM – 284	25.4 mm	90	101.6 mm	203.2 mm	203.2	Protected Aluminum
Off - APMM – 285	25.4 mm	30	50.8 mm	27.22 mm	54.45	Protected Aluminum
Off - APMM – 286	25.4 mm	60	25.4 mm	29.33 mm	33.85	Protected Aluminum
Off - APMM – 287	25.4 mm	30	25.4 mm	13.61 mm	27.22	Protected Aluminum
Off - APMM – 288	25.4 mm	60	38.1 mm	43.99 mm	50.8	Protected Gold
Off - APMM – 289	25.4 mm	90	12.7 mm	25.4 mm	25.4	Protected Gold
Off - APMM – 290	25.4 mm	90	50.8 mm	101.6 mm	101.6	Protected Gold
Off - APMM – 291	25.4 mm	90	76.2 mm	152.4 mm	152.4	Protected Gold
Off - APMM – 292	25.4 mm	90	101.6 mm	203.2 mm	203.2	Protected Gold
Off - APMM – 293	50.8 mm	90	25.4 mm	50.8 mm	50.8	Protected Aluminum
Off - APMM – 294	50.8 mm	90	50.8 mm	101.6 mm	101.6	Protected Aluminum
Off - APMM – 295	50.8 mm	90	95.25 mm	190.5 mm	190.5	Protected Aluminum
Off - APMM – 296	50.8 mm	30	50.8 mm	27.22 mm	54.45	Protected Aluminum
Off - APMM – 297	50.8 mm	30	101.6 mm	54.45 mm	108.89	Protected Aluminum
Off - APMM – 298	50.8 mm	60	76.2 mm	87.98 mm	101.6	Protected Aluminum

Customize

You can customize this product to your needs. If you do not find suitable specifications for your application please contact us for custom solution.

FARADAY ISOLATORS AND ROTATORS

A Faraday Isolator (FI) is a nonreciprocal optical device which transmits the linearly polarized light in one direction and deflects the backward beam. It usually consists of a Faraday Rotator and two polarizers. The Faraday Rotator is made of magneto-optical active material which is placed into the permanent magnet system (Nd-Fe-B). Three types of the magneto-optical active materials are available: Terbium-doped glass, Terbium-Gallium-Garnet (TGG) crystals or Yttrium-Iron-Garnet (YIG) crystals.

The FI protects laser by attenuating the reflected and backscattered light by several orders of magnitude (10^4 to 10^6). It is also used when some devices have extreme sensitivity to optical feedback which can cause intensity instabilities, frequency pulling and other undesirable effects.

Scientific offers a variety of optical isolator models:

Highly transparent (HT) single stage isolators. Isolation 38-44 dB, wavelength 500-1250 nm (fixed), clear aperture 3-15 mm. Transmission >90%.



Broadband isolators. Isolation >38 dB. Center wavelength - 800 nm (other designs are also available on request). Bandwidth - 130 nm. Clear aperture is 3-12 mm. HT and SE modifications are also available.



Tunable isolators. Peak isolation 38-42 dB. Central wavelength - 780 nm. Tuning range from 700 to 860 nm. Other wavelengths available upon request. Simple and convenient operation.



Single stage isolators with side exit (SE). Isolation 38-44 dB, wavelength from 500 to 1250 nm (fixed), bandwidth - 30 nm. Clear aperture 3-16 mm. Transmission ~85%.



Double stage isolators. Isolation >60 dB. Wavelength is 800 - 1150 nm (fixed). Bandwidth - 30 nm. Clear aperture 3-12 mm.



Isolators for IR optical range. Isolation - 30 dB. Wavelength 1.25 - 3.39 μm (please request, as there are certain restrictions in this range).



Please specify the desired clear aperture, isolator type (above) and wavelength with your enquiry. Please also specify the rod type (TGG or Glass). TGG rods have higher breakdown threshold than Glass rods.

BROADBAND (ULTRAFAST) THIN FILM POLARIZERS

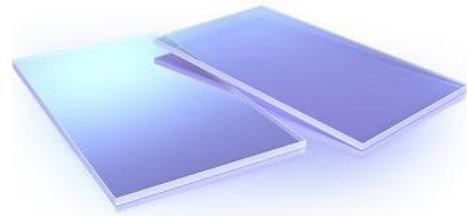
The optimal working angle for Broadband polarizers is $AOI=72^\circ (\pm 2^\circ)$. We offer 4 types of Broadband (Ultrafast) Thin film polarizers. Polarizers work by transmitting p-polarized and reflecting s-polarized beam component.

TRANSMISSION POLARIZERS - have polarizing coating on the input face while the output face is AR coated for p polarization. They can be optimized for highest transmission of p polarization $T_p > 94\%$ or for best contrast of polarizations.

REFLECTION POLARIZERS - have polarizing coating on the input face while the output face is AR coated for both s and p polarizations. They can be optimized for highest reflection of s polarization $R_s > 98\%$ or for best contrast of polarizations $R_s: R_p > 60:1$. Moreover, the AR coated side of a polarizer has wedge to minimize ghosting. Standard thin film polarizers are designed for optimum performance in the 750 - 850 nm or 980 - 1090 nm range. Design of custom wavelength range is also available.

Specification

Diameter/dimensional tolerances	+0/-0.1 mm
Thickness tolerance	± 0.1 mm
Clear aperture	>90 %
Surface quality	20-10 S-D
Transmitted wave front distortion	$< \lambda/6$ @ 632.8 nm
Angle of incidence	72°
Parallelism error	<30 arc sec
Material	BK7, UVFS



Model No.	Dimension (mm)	Wavelength (nm)	Extinction Ratio	Transmission/Reflection, %	Optimized
BTFP - 301	$\varnothing 25.4 \times 3$	980 - 1090 (centered@1030nm)	$T_p/T_s > 9:1$	$T_p > 94\%$, $T_s < 10\%$	T_p
BTFP - 302	$\varnothing 25.4 \times 3$	980 - 1090 (centered@1030nm)	$R_s/R_p > 5:1$	$R_s > 98\%$, $R_p < 20\%$	R_s
BTFP - 303	$20 \times 60 \times 2$	980 - 1090 (centered@1030nm)	$T_p/T_s > 9:1$	$T_p > 94\%$, $T_s < 10\%$	T_p
BTFP - 304	$20 \times 60 \times 2$	980 - 1090 (centered@1030nm)	$T_p/T_s > 20:1$	$T_p > 85\%$, $T_s < 4\%$	Contrast
BTFP - 305	$\varnothing 25.4 \times 3$	750 - 850 (centered@800nm)	$R_s/R_p > 5:1$	$R_s > 98\%$, $R_p < 20\%$	R_s
BTFP - 306	$20 \times 60 \times 5$	980 - 1090 (centered@1030nm)	$R_s/R_p > 60:1$	$R_s > 85\%$, $R_p < 1\%$	Contrast
BTFP - 307	$20 \times 60 \times 5$	980 - 1090 (centered@1030nm)	$R_s/R_p > 5:1$	$R_s > 98\%$, $R_p < 20\%$	R_s
BTFP - 308	$20 \times 60 \times 2$	750 - 850 (centered@800nm)	$T_p/T_s > 9:1$	$T_p > 94\%$, $T_s < 10\%$	T_p
BTFP - 309	$\varnothing 25.4 \times 3$	750 - 850 (centered@800nm)	$T_p/T_s > 20:1$	$T_p > 85\%$, $T_s < 4\%$	Contrast
BTFP - 310	$\varnothing 25.4 \times 3$	750 - 850 (centered@800nm)	$R_s/R_p > 60:1$	$R_s > 85\%$, $R_p < 1\%$	Contrast
BTFP - 311	$\varnothing 25.4 \times 3$	980 - 1090 (centered@1030nm)	$R_s/R_p > 60:1$	$R_s > 85\%$, $R_p < 1\%$	Contrast
BTFP - 312	$\varnothing 25.4 \times 3$	980 - 1090 (centered@1030nm)	$T_p/T_s > 20:1$	$T_p > 85\%$, $T_s < 4\%$	Contrast
BTFP - 313	$50 \times 160 \times 3$	750 - 850 (centered@800nm)	$T_p/T_s > 9:1$	$T_p > 94\%$, $T_s < 10\%$	T_p
BTFP - 314	$50 \times 160 \times 3$	980 - 1090 (centered@1030nm)	$T_p/T_s > 9:1$	$T_p > 94\%$, $T_s < 10\%$	T_p
BTFP - 315	$50 \times 160 \times 3$	750 - 850 (centered@800nm)	$R_s/R_p > 60:1$	$R_s > 85\%$, $R_p < 1\%$	Contrast
BTFP - 316	$50 \times 160 \times 3$	980 - 1090 (centered@1030nm)	$R_s/R_p > 60:1$	$R_s > 85\%$, $R_p < 1\%$	Contrast
BTFP - 317	$50 \times 160 \times 3$	750 - 850 (centered@800nm)	$T_p/T_s > 20:1$	$T_p > 85\%$, $T_s < 4\%$	Contrast
BTFP - 318	$50 \times 160 \times 3$	980 - 1090 (centered@1030nm)	$T_p/T_s > 20:1$	$T_p > 85\%$, $T_s < 4\%$	Contrast
BTFP - 319	$50 \times 160 \times 5$	750 - 850 (centered@800nm)	$R_s/R_p > 5:1$	$R_s > 98\%$, $R_p < 20\%$	R_s
BTFP - 320	$50 \times 160 \times 3$	980 - 1090 (centered@1030nm)	$R_s/R_p > 5:1$	$R_s > 98\%$, $R_p < 20\%$	R_s

Customize

You can customize this product to your needs. If you do not find suitable specifications for your application please contact us for custom solution.

ZERO-ORDER WAVE PLATES

Zero order wave plates are made of two multiple -order wave plates with their optical axis aligned perpendicular to each other. The effect of the first plate is cancelled by the second, except for the residual difference between them. Zero order wave plates are much less sensitive to wavelength and temperature changes. All plates are AR coated to increase transmission at their design wavelength.

Specification

Diameter Tolerance	± 0.2 mm
Surface Quality	20 - 10 (Scratch-dig)
Surface Flatness	$\lambda / 4 @ 632.8\text{nm}$
AR Coating	Multilayer, R <0.5% @ design wavelength
Material	Quartz Crystal



Model No.	Mount Diameter	Clear Aperture
ZOWP - 321	25 mm	10 mm
ZOWP - 322	30 mm	22 mm
ZOWP - 323	25 mm	10 mm
ZOWP - 324	30 mm	22 mm

Customize

You can customize this product to your needs. If you do not find suitable specifications for your application please contact us for custom solution.

MICROSCOPE OBJECTIVES

These objectives can be used in fiber coupling, spatial filtering, and microscopy applications. We offer Semi-Plan Achromatic Microscope Objectives for imaging or focusing applications. Our Semi-Plan Infinity corrected achromatic objectives are designed for 200mm focal length Tube Lens and a cover glass thickness of 0.17mm.



Model No:	MO – 325	MO – 326	MO – 327	MO - 328
Magnification	5 X	10 X	20 X	40 X
Numerical Aperture (NA)	0.10	0.25	0.40	0.65
Effective Focal Length (EFL)	40 mm	20 mm	10 mm	5 mm
Working Distance(WD)	19.5 mm	7.9 mm	2.5 mm	0.5 mm
Cover Glass	0.17	0.17	0.17	0.17
Outside Diameter	25 mm	25 mm	25 mm	25 mm
Parfocal Distance	45 mm	45 mm	45 mm	45 mm
Wavelength Range	Visible	Visible	Visible	Visible

Manufacturers by :
Scientific Components

- VIBRATION ISOLATION SYSTEMS
- HONEY COM BREAD BOARDS
- BEAM STEERING UNIT
- BEAM SPLITTER MOUNT
- BEAM DIVIDER MOUNT
- GIMBAL MOUNT
- ADJUSTABLE LENS HOLDER
- LEANS & MIRROR MOUNT
- MINIATURE MIRROR MOUNTS
- MAGNETS
- MINIATURE-X-MOVEMENT
- X-Y-Z TRANSLATION STAGE
- VERTICAL TRANSLATION STAGE
- 1° MINIATURE MOUNT
- 2° MINIATURE STAGE
- PRISM HOLDER
- POST MOUNT ASSEMBLY
- PILLOR POST
- MICROMETER HEADS
- FILTER HOLDER
- HARDWARE KIT / KEY
- LASER ALIGNMENT MOUNT
- LAB JACK
- FILM PLATE HOLDER
- PLATE CUTTING TEMPLATE
- POLARIZER MOUNT
- FIBER CLUTCH / HOLDER
- GONIOMETER
- TRIANGULAR OPTICAL RAIL
- SPATIAL FILTERING ASSY
- TILT TABLE
- ELLIPTICAL CAVITY
- LASER CAVITY
- OPTICAL BENCH & CARRIER
- CUTTING TOOLS
- HE NE LASER
- PLASTIC MOULDS
- GAS PIPE LINE WORKS



AMM 224

45° Mirror Mount



CLM 222

Cylindrical laser mount

Office : B-663, III Flour, M.I.G., D.D.A. Flats, East of Loni Road, Delhi-93

Factory : Gajay Singh Market, Gali No. 10, Village Gokal Pur, Delhi-94

E-mail : scientific_components2005@yahoo.co-in

Webiste : www.scientificcomponents.com

(O) : 011-22813632 FAX : 011-22815347, (M) 09811367597, 09810314779