

Ultra Series of Optical Tables



Rigid Isolation Supports Available, See Page 63

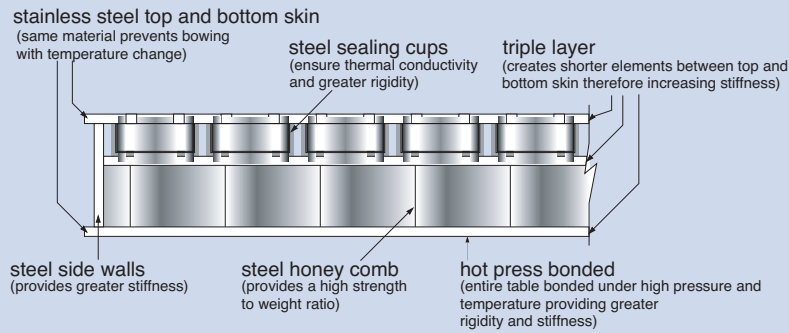
Thorlabs offers a broad range of tables and vibration isolation systems that enable the selection of the appropriate components for any application and environment. The chart on page 41 will assist you in making an appropriate choice. If you should need further assistance, our application engineers are available to help you.

Specifications

- **Table Thickness:** 210mm (8.3")
- **Flatness:** ±0.1mm (±0.004") Over Any 1m²
- **Construction:** Triple-Plated, Double-Honeycomb Core
- **Top and Bottom Plates:**
 - Matched Materials for Athermalized Design
 - Magnetic Stainless Steel, 5mm Thick
 - Top Plate is Brush Finished
- **Main Core:** High-Density Plated Steel Honeycomb
- **Intermediate Core:** Plated-Steel Sealing Cup Honeycomb Structure, 13mm (0.5") Thick
- **Sides:** Black Laminated-Steel Sides, Slightly Inset
- **Mounting Hole Pattern:**
 - Metric: M6 on 25mm Centers
 - Imperial: 1/4"-20 on 1" Centers
- **Edge to First Hole Center:**
 - Metric: 50mm on All Sides
 - Imperial 4.1' Width: 2.0" on Ends & 2.6" on Sides
 - Imperial 4.9' Width: 2.0" on Ends & 2.5" on Sides
- **Maximum Screw Length:** 16mm (5/8")
- **Dynamic Deflection Coefficient (max):** 1.3×10^{-3}
- **Relative Table Motion (max):** 0.10nm (4×10^{-9} in)*
- **Deflection Under Load:** 113kg (250 lbs): $1.5\mu\text{m}$ (5.9×10^{-5} in)*

**Measured on a 4 x 8 ft. x 12.2 in. table with isolator transmissibility T<0.01 above 10 Hz, environmental vibrations PSD 10^{-9} g/Hz..*

Ultra Series Table With Triple-Plated, Double Honeycomb Core Including Sealed Mounting Holes.



Optical Tables, M6 Metric – Stocked for Immediate Delivery

ITEM#	\$	£	€	RMB	DIMENSIONS (L x W x H)	WEIGHT
PTR51504	\$ 3,122.90	£ 1,967.40	€ 2,904.30	¥ 29,823.70	2000 x 1000 x 210mm	719lbs/327kg
PTR51508	\$ 3,886.20	£ 2,448.30	€ 3,614.20	¥ 37,113.20	2000 x 1250 x 210mm	893lbs/406kg

Optical Tables, M6 Metric – Call for Lead Time

ITEM#	\$	£	€	RMB	DIMENSIONS (L x W x H)	WEIGHT
PTR51505	\$ 4,102.10	£ 2,584.30	€ 3,815.00	¥ 39,175.10	2500 x 1000 x 210mm	900lbs/409kg
PTR51509	\$ 4,719.20	£ 2,973.10	€ 4,388.90	¥ 45,068.40	2500 x 1250 x 210mm	1111lbs/505kg
PTR51513	\$ 5,623.60	£ 3,542.90	€ 5,229.90	¥ 53,705.40	2500 x 1500 x 210mm	1256lbs/571kg
PTR51506	\$ 4,998.00	£ 3,148.70	€ 4,648.10	¥ 47,730.90	3000 x 1000 x 210mm	1080lbs/491kg
PTR51510	\$ 5,533.50	£ 3,486.10	€ 5,146.20	¥ 52,844.90	3000 x 1250 x 210mm	1338lbs/608kg
PTR51514	\$ 6,159.10	£ 3,880.20	€ 5,728.00	¥ 58,819.40	3000 x 1500 x 210mm	1586lbs/721kg
PTR51507	\$ 6,159.10	£ 3,880.20	€ 5,728.00	¥ 58,819.40	3750 x 1000 x 210mm	1349lbs/613kg
PTR51511	\$ 6,873.10	£ 4,330.10	€ 6,392.00	¥ 65,638.10	3750 x 1250 x 210mm	1665lbs/757kg
PTR51515	\$ 7,694.20	£ 4,847.30	€ 7,155.60	¥ 73,479.60	3750 x 1500 x 210mm	1980lbs/900kg
PTR51512	\$ 7,532.70	£ 4,745.60	€ 7,005.40	¥ 71,937.30	4250 x 1250 x 210mm	1894lbs/861kg
PTR51516	\$ 8,586.70	£ 5,409.60	€ 7,985.60	¥ 82,003.00	4250 x 1500 x 210mm	2246lbs/1021kg

Please contact your local sales office for a quotation including shipping.

Visit www.thorlabs.com For Mechanical Drawings and Our New Solid Models



SHIPPED from STOCK

Call For Lead Time