

Standard Series of Optical Tables



Enclosures and accessories available, see pages 58-59

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. Call us at 973-579-7227, and ask for technical support.

Specifications

- **Table Thickness:** 8.3" (210mm)
- **Flatness:** Flatness: $\pm 0.1\text{mm}$ ($\pm 0.004''$) Over any 1m^2
- **Construction:** Double-Plate, Single-Honeycomb Core
- **Top and Bottom Plates:**
 - Matched Materials for Athermalized Design
 - Magnetic Stainless Steel, 5mm Thick
 - Top Plate is Brush Finished
- **Core:** High-Density Plated Steel Honeycomb
- **Damping:** Proprietary Broadband Damping
- **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 Models: 50mm on All Sides
 - Imperial Models 4.1' Width: 2.0" on Ends & 2.6" on Sides
 - Imperial Models 4.9' Width: 2.0" on Ends & 2.5" on Sides
- **Dynamic Deflection Coefficient:** (max): $< 3 \times 10^{-3}$ *
- **Relative Tabletop Motion:** (max): $< 0.27\text{nm}$ ($10.5 \times 10^{-9} \text{in}$)*
- **Deflection Under Load:** 113kg (250lb): $< 1.65\mu\text{m}$ ($6.5 \times 10^{-5} \text{in}$)*

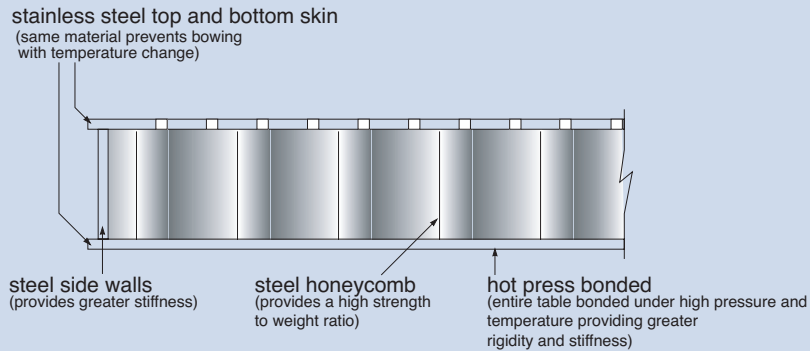
*Measured on a 4 x 8 ft. x 12.2 in. table with isolator transmissibility $T < 0.01$ above 10Hz, environmental vibrations PSD $< 10^0 \text{g}^2/\text{Hz}$.

Laser Safety Goggles



See Page 895

Standard Series Cross Section of Tabletop With Double-Plated Design



Optical Tables, M6 Metric – Stocked for Immediate Delivery

| ITEM# | \$ | £ | € | RMB | DIMENSIONS (L x W x H) | WEIGHT |
|----------|-------------|------------|------------|-------------|------------------------|--------------|
| PTM51504 | \$ 2,278.00 | £ 1,435.10 | € 2,118.50 | ¥ 21,754.90 | 2000 x 1000 x 210mm | 547lbs/248kg |
| PTM51508 | \$ 2,679.20 | £ 1,687.90 | € 2,491.70 | ¥ 25,586.40 | 2000 x 1250 x 210mm | 677lbs/307kg |
| PTM51509 | \$ 3,542.80 | £ 2,232.00 | € 3,294.80 | ¥ 33,833.70 | 2500 x 1250 x 210mm | 847lbs/384kg |

Optical Tables, M6 Metric – Call for Lead Time

| ITEM# | \$ | £ | € | RMB | DIMENSIONS (L x W x H) | WEIGHT |
|----------|-------------|------------|------------|-------------|------------------------|---------------|
| PTM51505 | \$ 2,856.00 | £ 1,799.30 | € 2,656.10 | ¥ 27,274.80 | 2500 x 1000 x 210mm | 683lbs/310kg |
| PTM51513 | \$ 4,063.00 | £ 2,559.70 | € 3,778.60 | ¥ 38,801.70 | 2500 x 1500 x 210mm | 1008lbs/457kg |
| PTM51506 | \$ 3,267.40 | £ 2,058.50 | € 3,038.70 | ¥ 31,203.70 | 3000 x 1000 x 210mm | 820lbs/372kg |
| PTM51510 | \$ 4,034.10 | £ 2,541.50 | € 3,751.70 | ¥ 38,525.70 | 3000 x 1250 x 210mm | 1014lbs/460kg |
| PTM51514 | \$ 4,343.50 | £ 2,736.40 | € 4,039.50 | ¥ 41,480.40 | 3000 x 1500 x 210mm | 1210lbs/549kg |
| PTM51507 | \$ 3,740.00 | £ 2,356.20 | € 3,478.20 | ¥ 35,717.00 | 3750 x 1000 x 210mm | 1025lbs/465kg |
| PTM51511 | \$ 4,408.10 | £ 2,777.10 | € 4,099.50 | ¥ 42,097.40 | 3750 x 1250 x 210mm | 1270lbs/576kg |
| PTM51515 | \$ 5,550.50 | £ 3,496.80 | € 5,162.00 | ¥ 53,007.30 | 3750 x 1500 x 210mm | 1512lbs/686kg |
| PTM51512 | \$ 5,157.80 | £ 3,249.40 | € 4,796.80 | ¥ 49,257.00 | 4250 x 1250 x 210mm | 1437lbs/652kg |
| PTM51516 | \$ 6,407.30 | £ 4,036.60 | € 5,958.80 | ¥ 61,189.70 | 4250 x 1500 x 210mm | 1713lbs/777kg |

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

