

▼ CHAPTERS

Tables/
Breadboards

Mechanics

Optomechanic
Devices

Kits

Lab Supplies

▼ SECTIONS

Breadboards

Breadboard
SupportsBreadboard
Accessories

ScienceDesk

ScienceDesk
Accessories

Optical Tables

Table Supports

Optical Table
Accessories

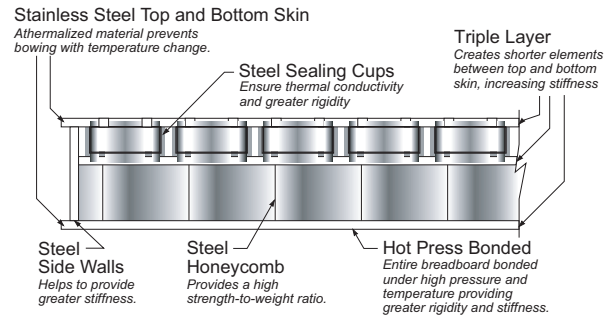
ScienceDesk™ Breadboards: PerformancePlus™ Series

Thorlabs offers a line of breadboards for our modular, ergonomic ScienceDesks that provide a rigid, flat, thermally stable tabletop. These breadboards, when combined with our ScienceDesk Frames, make an ideal workstation for multiple applications and disciplines. To complete your workstation, Thorlabs offers a line of accessories, including overhead shelves, side shelves, computer shelves, a keyboard holder, wrist rest, and a monitor mount (see pages 35 - 45).

The PerformancePlus breadboards incorporate a triple-skin (top, bottom, and middle), double-honeycomb design, providing superior stiffness and excellent dynamic rigidity. The top layer consists of a stainless steel top plate and a secondary steel plate, separated by a unique plated-steel honeycomb-like structure. The second layer adds the main steel honeycomb structure and the stainless steel bottom plate finishes the board.

The main honeycomb core is fabricated from strips of precision-formed plated steel, which are bonded together with a high-tensile-strength epoxy adhesive. The thinner, honeycomb-like top structure is made from figure 8-shaped steel cups, which enhance the overall stiffness of the breadboard and provide improved support of the top plate. This, combined with the athermalized design and excellent surface flatness, makes the PerformancePlus series the best choice for your ScienceDesk.

PerformancePlus Series



Specifications

- **Mounting Holes**
 - Imperial: 1/4"-20 on 1" Centers
 - Metric: M6 on 25 mm Centers
- **Flatness:** $\pm 0.006"$ (0.15 mm) Over any 1.0 ft² (0.3 m²) Area
- **Thickness:** 2.4" (60 mm) or 4.3" (110 mm)
- **Construction:** Triple-Skin, Double-Honeycomb Core, Athermalized Design with Matching Plate Materials for Maximum Thermal Stability
- **Damping:** Enhanced Proprietary Damping
- **Main Core:** High-Density, Plated-Steel Honeycomb
- **Intermediate Core:** Plated-Steel Sealing Cup Honeycomb Structure, 0.51" (13 mm) Thick
- **Edge of Top Plate to First Hole**
 - Imperial: 2"
 - Metric: 50 mm
- **Maximum Screw Depth:** 5/8" (16 mm) from Breadboard Surface
- **Top and Bottom Plate**
 - Top Plate: Magnetic Stainless Steel, 3/16" (5 mm) Thick, Brushed Finish
 - Bottom Plate: Magnetic Stainless Steel, 3/16" (5 mm) Thick
- **Sides:** Black Laminated Steel

- Triple-Skin, Double-Core StableTop™ Construction Significantly Increases Rigidity
- Enhanced Damping Improves Dynamic Performance for the Most Critical Laboratory Applications
- Sealed Mounting Holes Make it Simple to Contain and Clean up Spills or Retrieve Lost Optics or Screws
- Athermalized Design for Excellent Thermal Stability

PerformancePlus Series of ScienceDesk™ Breadboards, 1/4"-20 Taps

ITEM #*	\$	£	€	RMB	DIMENSIONS	COMPATIBLE FRAMES
PBI11106	\$ 1,138.00	£ 819.36	€ 990.06	¥ 9,069.86	3' x 2' x 2.4"	Item #'s Ending in 6090
PBI11111	\$ 1,276.40	£ 919.01	€ 1,110.47	¥ 10,172.91	3' x 2.5' x 2.4"	Item #'s Ending in 7590
PBI11112	\$ 1,598.20	£ 1,150.70	€ 1,390.43	¥ 12,737.65	4' x 2.5' x 2.4"	Item #'s Ending in 75120
PBI11115	\$ 1,820.90	£ 1,311.05	€ 1,584.18	¥ 14,512.57	4' x 3' x 2.4"	Item #'s Ending in 90120
PBI12129	\$ 4,148.00	£ 2,986.56	€ 3,608.76	¥ 33,059.56	6' x 5' x 4.3"	Item # SDA150180

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

PerformancePlus Series of ScienceDesk™ Breadboards, M6 Taps

ITEM #*	\$	£	€	RMB	DIMENSIONS	COMPATIBLE FRAMES
PBI51506	\$ 1,136.30	£ 818.14	€ 988.58	¥ 9,056.31	900 mm x 600 mm x 60 mm	Item #'s Ending in 6090
PBI51511	\$ 1,298.50	£ 934.92	€ 1,129.70	¥ 10,349.05	900 mm x 750 mm x 60 mm	Item #'s Ending in 7590
PBI51512	\$ 1,566.80	£ 1,128.10	€ 1,363.12	¥ 12,487.40	1200 mm x 750 mm x 60 mm	Item #'s Ending in 75120
PBI51515	\$ 1,782.40	£ 1,283.33	€ 1,550.69	¥ 14,205.73	1200 mm x 900 mm x 60 mm	Item #'s Ending in 90120
PBI52529	\$ 4,099.00	£ 2,951.28	€ 3,566.13	¥ 32,669.03	1800 mm x 1500 mm x 110 mm	Item # SDA150180

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