

# Science Desks

Anti-vibration Tables for the Laboratory Environment



Digitimer



Distributed by-

**Digitimer Limited**

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# Delivery and Installation

Our range of ThorLabs Science Desks can be delivered and installed throughout the UK and Europe via our network of specialist couriers or installation engineers. In most cases it should be possible for you to assemble and site your table without installation, however, it is important to conduct an access survey, to check for availability of lifts, trolleys and that doorways are wide enough. We also recommend that you consider adding a set of casters to your desks.

<b>Location</b>	<b>Delivery Only</b>	<b>Delivery &amp; Installation</b>
Cambridge	£40.00	£650.00
Manchester	£50.00	£650.00
Cardiff	£60.00	£650.00
Edinburgh	£70.00	Please Ask

Costs above exclude VAT and are for single tables (including tops). For multiple tables or mainland European destinations, please contact us for a price quote.

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# ScienceDesk Selection Guide



## Active ScienceDesk Frames

- Highest Level of Vibration Isolation
- Load Capacity: 1545 lbs (700 kg)
- Self Leveling
- Regular Control Pressure



## Passive ScienceDesk Frames

- Standard Isolation from External Vibration
- Load Capacity
  - Standard: 50 - 570 lbs (24 - 260 kg)
  - Heavy Duty: 300 - 1540 lbs (135 - 700 kg)
- Simple Pump Needed for Setup Only



## Rigid ScienceDesk Frames

- No Isolation from External Vibrations
- Most Economical Series
- Load Capacity: 1545 lbs (700 kg)



## ScienceDesk-Compatible Breadboards

- Three Product Lines Available:
  - PerformancePlus
  - Performance
  - Performance, No Holes

# ScienceDesk™ Overview (Page 1 of 2)

The ScienceDesk™ series is a modular system designed to provide an ergonomic alternative to conventional workstations. This high-quality, modular workstation is ideally suited for a range of vibration-sensitive applications, such as those found in the fields of confocal microscopy, laser scanning microscopy, biotechnology, electrophysiology, and telecommunications.

Three standard sizes are available: 2.5' x 3' (750 mm x 900 mm), 2.5' x 4' (750 mm x 1200 mm), and 3' x 4' (900 mm x 1200 mm), all at a standard desk height of 30.6" (765 mm). The welded steel construction of the frame provides a durable work platform; the breadboard is inset into the frame to avoid incidental contact.

Frames are available with four levels of vibration isolation: active, passive, heavy-duty passive, and rigid. Each is designed to accept a breadboard from our Performance™ or PerformancePlus™ Series. Models are available with or without tapped holes. The combination of frame and breadboard allows flexibility in creating a work space with an array of vibration-isolation possibilities.

A full array of accessories, including shelving options, a keyboard holder, a monitor mount, mounting posts, and casters, are available to allow customization of the workstation. Details are presented in the next section.

**ScienceDesk™ is a modular system designed to provide an ergonomic alternative to conventional workstations.**

## Frames

Series	Rigid	Passive	Active
<b>Isolation Performance</b>			
Vertical Transmissibility	N/A	-28 dB (96%) at 10 Hz	-16 dB (84%) at 10 Hz
Horizontal Transmissibility	N/A	-27 dB (96%) at 10 Hz	N/A
Load Capacity	1,545 lbs (700 kg)	50 - 570 lbs (24 - 260 kg)*	1,545 lbs (700 kg)
Frame Size	7.7" (195 mm) Deeper and Wider than the Work Surface Size		
Frame Height	30.1" ± 0.6" (765 ± 15 mm)		
Self Leveling Repeatability	N/A	N/A	±0.020" (0.50 mm)
Finish	Dark Grey		

\*Higher load version is also available.

## Tabletops

Series	Performance	PerformancePlus
Flatness (over 0.3 m²)	±0.13 mm (0.005")	±0.10 mm (0.004")
Damping	Nominal	Enhanced
Thickness	60 mm (2.4") & 110 mm (4.3") Versions	60 mm (2.4") & 110 mm (4.3") Versions
Construction	Double-Plate, Single Honeycomb Core, Athermalized Design	Triple-Plate, Double Honeycomb Core, Athermalized Design
Top and Bottom Plates	Magnetic Stainless Steel, 5 mm (3/16") Thick	
Core	High Density Plated Steel Honeycomb	High Density Plated Steel Honeycomb with Intermediate Plated Steel
Top Surface Finish	Solid Stainless Steel, Optional Array of Mounting Holes Available	

## ScienceDesk™ Overview (Page 2 of 2)

### Monitor Mount

Multidirectional clamp supports most types of flat screen monitors.

### Equipment Shelves

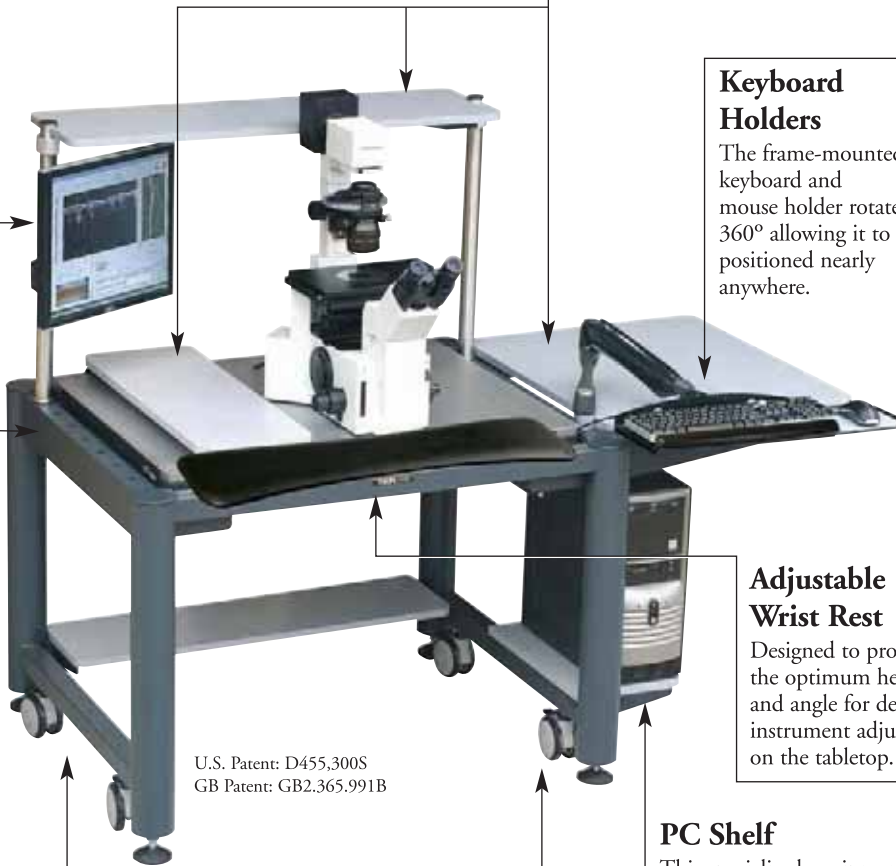
A variety of shelving options are available, including overhead shelves, side shelves, under shelves, and shelving for mounting test instrumentation and computers. The modular design of the ScienceDesk allows the shelving to be mounted in various locations.

### Keyboard Holders

The frame-mounted keyboard and mouse holder rotates 360° allowing it to be positioned nearly anywhere.

### Breadboards

Our breadboards have a high strength-to-weight ratio, a honeycomb core, and steel top and bottom plates. They offer excellent thermal stability and maximum rigidity. Our PerformancePlus range features enhanced internal damping to improve dynamic performance, which is required for more demanding applications. A range of sizes, both with and without tapped mounting holes, are available to accommodate a variety of microscope systems.



U.S. Patent: D455,300S  
GB Patent: GB2.365.991B

### Adjustable Wrist Rest

Designed to provide the optimum height and angle for delicate instrument adjustments on the tabletop.

### PC Shelf

This specialized equipment shelf easily holds a computer tower case.

### ScienceDesk Frames

The ScienceDesk frame fully encloses the breadboard protecting it from accidental knocks and allowing the placement of accessories. We offer three variants of our frames in different sizes to suit a range of applications.

**Rigid:** Suitable for applications in which vibration isolation is not required.

**Passive:** Non-leveling air mounts absorb vibrations from the floor and prevent them from reaching the table top.

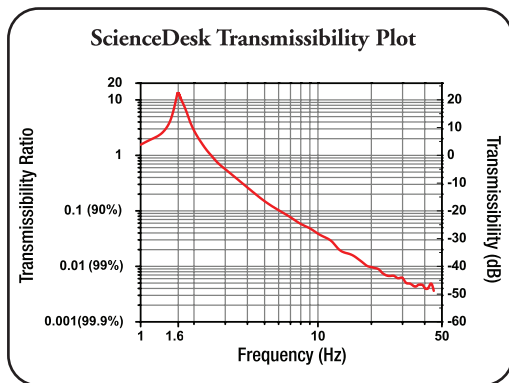
**Active:** A pneumatic self-leveling design provides both horizontal and vertical vibration isolation of the tabletop and effectively attenuates low frequency vibrations.

### Mobility

Heavy-duty casters can be included to allow smooth movement of the desk within the lab. Alternatively, the leveling feet can be adjusted to various fixed-position heights.

**Custom Sizes Available**

# ScienceDesk™ Frames – Active, Self-Leveling Vibration Isolation



The ScienceDesk frame melds function and form to produce a portable industry-leading vibration isolation platform. ScienceDesk frames feature a durable welded steel construction; the optical breadboard (work surface) is inset in the ScienceDesk frame so that it is protected from incidental contact. Frames are available in three different sizes.



When building a ScienceDesk workstation, start by choosing the frame, then the optical breadboard, and finally the desired accessories. When choosing a ScienceDesk frame only two criteria need to be considered: the size of the work surface needed and the level of vibration isolation for that work surface.

Active ScienceDesk Frames feature a transmissibility ratio of 0.04 at 10 Hz and provide the highest level of isolation available in this line of compact, portable, ergonomic workstations. These frames are frequently used for imaging applications with sub-micron resolution.

The active isolation system requires that a constant source of pressurized air (such as that provided by our PTA511 air compressor featured on page 70) be supplied to the pneumatic isolators. The system will adjust the pressure in each isolator to keep the optical breadboard surface level, even when the distribution of weight on the optical breadboard is changed.

## Specifications

- **Load Capacity (Including Breadboard):** 1545 lbs (700 kg)
- **Frame Size:** 195 mm Deeper and Wider than the Work Surface Size
- **Air Pressure Required:** 80 psi (551 kPa) Maximum
- **Height Adjustment Range:** Leveling Feet: ±0.59" (±15 mm)
- **Finish:** Dark Gray
- **Self-Leveling Repeatability:** ±0.02" (±0.5 mm)
- **Isolation Type:** Active
- **Resonant Frequency:** Vertical: 1.6 Hz  
Horizontal: 1.4 Hz
- **Transmissibility (at Resonance):** Vertical: 22 dB  
Horizontal: 21 dB
- **Transmissibility:** Vertical (@10 Hz): -28 dB (96% Efficient)  
Horizontal (@10 Hz): -27 dB (96%)
- **Ergonomics:** In Accordance with BS EN 527 and BS EN 1335

## ScienceDesk Frames – Active, Self-Leveling Vibration Isolation

Stocked for Immediate Delivery

ITEM#	\$	£	€	RMB	ACCEPTED BREADBOARD SIZE	FRAME WEIGHT*
SDA7590	\$ 2,500.00	£ 1,733.00	€ 2,219.50	¥ 21,111.00	2.5' x 3' (750 mm x 900 mm)	159 lbs (72.5 kg)
SDA75120	\$ 2,525.00	£ 1,750.50	€ 2,241.50	¥ 21,322.00	2.5' x 4' (750 mm x 1200 mm)	167 lbs (76 kg)
SDA90120	\$ 2,550.00	£ 1,767.50	€ 2,264.00	¥ 21,533.00	3' x 4' (900 mm x 1200 mm)	176 lbs (80 kg)

\*The weights given are for the frames only and do not include packaging. Please contact your local sales office for a quotation including shipping.

## ScienceDesk™ Frames – Passive Vibration Isolation (Heavy-Duty and Standard)

**NEW**  
design



SDH90120

Passive ScienceDesk Frames are designed for vibration-sensitive applications; they can also be used to isolate a work surface from the vibrations found in a noisy environment. These frames are available in two versions with different load-bearing specifications: standard frames with a load capacity of 50 to 570 lbs (24 to 260 kg) and heavy-duty frames with a load capacity of 300 to 1540 lbs (135 to 700 kg). It is important to note that the frame must bear the minimum specified weight to comply with the isolation specifications. These passive frames have a transmissibility ratio (i.e., the displacement of the isolated system divided by the input displacement) of 0.15 at 10 Hz; this ratio is commonly used to describe the responsiveness of a vibration isolation system.

Our passive isolation frames are frequently used for imaging applications with micron resolution. The pneumatic isolators on the passive frames do not require a constant air supply once inflated with a simple air pump such as our PTA126.

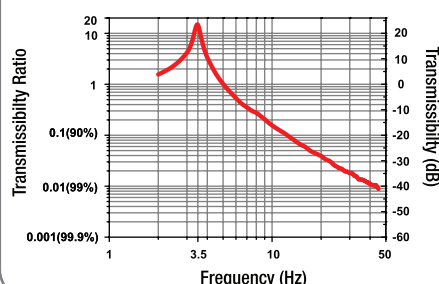
- Ergonomic Workplace Systems for Manufacturing and Scientific Research
- Modular Design Allows for Customization of Your Work Space
- Range of Adaptable Accessories Available
- Steel Frame Design

### Specifications

- **Load Capacity (Including Breadboard):**  
Standard: 50-570 lbs (24-260 kg)  
Heavy-Duty: 300-1540 lbs (135-700 kg)
- **Frame Size:** 195 mm Deeper and Wider than the Work Surface Size
- **Air Pressure Required:** 72 psi (496 kPa) Maximum
- **Height Adjustment Range:** Leveling Feet:  $\pm 0.59$ " (15 mm)
- **Finish:** Dark Gray
- **Isolation Type:** Passive
- **Resonant Frequency:** Vertical: 3.5 Hz
- **Transmissibility (at Resonance):** Vertical: 24 dB
- **Transmissibility (at 10Hz):** Vertical: -16 dB (84%)
- **Ergonomics:** In Accordance with BS EN 527 and BS EN 1335



ScienceDesk Transmissibility Plot



Simple Air Pump for use with  
Our Passive Isolators



PTA126

ITEM#	\$	£	€	RMB
PTA126	\$ 39.90	£ 27.70	€ 35,50	¥ 337.00

### ScienceDesk Frames – Standard, Passive Vibration Isolation

Stocked for Immediate Delivery

ITEM#	\$	£	€	RMB	ACCEPTED BREADBOARD SIZE	FRAME WEIGHT*
SDP7590	\$ 1,650.00	£ 1,144.00	€ 1,465.00	¥ 13,933.00	2.5' x 3' (750 mm x 900 mm)	146 lbs (66.5 kg)
SDP75120	\$ 1,675.00	£ 1,161.00	€ 1,487.00	¥ 14,144.00	2.5' x 4' (750 mm x 1200 mm)	154 lbs (70 kg)
SDP90120	\$ 1,700.00	£ 1,178.50	€ 1,509.50	¥ 14,355.00	3' x 4' (900 mm x 1200 mm)	163 lbs (74 kg)

\*The weights listed are only for the frame and do not include packaging. Please contact your local sales office for a quotation including shipping.

### ScienceDesk Frames – Heavy-Duty, Passive Vibration Isolation

Call for Lead Time

ITEM#	\$	£	€	RMB	ACCEPTED BREADBOARD SIZE	FRAME WEIGHT*
SDH7590	\$ 1,736.00	£ 1,203.50	€ 1,541.00	¥ 14,659.00	2.5' x 3' (750 mm x 900 mm)	149 lbs (67.5 kg)
SDH75120	\$ 1,775.00	£ 1,230.50	€ 1,576.00	¥ 14,989.00	2.5' x 4' (750 mm x 1200 mm)	156 lbs (71 kg)
SDH90120	\$ 1,800.00	£ 1,248.00	€ 1,598.00	¥ 15,200.00	3' x 4' (900 mm x 1200 mm)	165 lbs (75 kg)

\*The weights listed are only for the frame and do not include packaging. Please contact your local sales office for a quotation including shipping.

## ScienceDesk™ Frames – Rigid Supports

The ScienceDesk frame, which is available in three different sizes, melds function and form to produce a portable industry-leading vibration-isolation platform. Each ScienceDesk frame features a durable welded steel construction; the optical breadboard (work surface) is inset in the ScienceDesk frame so that it is protected from incidental contact.

When building a ScienceDesk workstation, start by choosing the frame, then the optical breadboard, and finally the desired accessories. Only two criteria need to be considered when choosing a ScienceDesk frame: the size of the work surface desired and the level of vibration isolation needed.

Rigid ScienceDesk Frames do not isolate the optical breadboard working surface from external vibrations. However, they are commonly used in laboratory environments where the local environment does not contain any significant structural vibration or if the application is not overly sensitive to vibrations.



**Breadboards  
Sold Separately  
(See Next Page)**

**SDR90120**  
U.S. Patent: D455,300S  
GB Patent: GB2.365.991B

- Ergonomic Workplace Systems for Manufacturing and Scientific Research
- Modular Design Allows for Customization of your Work Space
- Full Range of Adaptable Accessories Available
- Steel Frame Design

### Specifications

- **Load Capacity:** 1545 lbs (700 kg)
- **Frame Size:** 195 mm Deeper and Wider than the Work Surface Size
- **Height Adjustment Range:**  
Leveling Feet: ±0.59" (15 mm)
- **Finish:** Dark Gray
- **Isolation Type:** Rigid (Non-Isolating)
- **Ergonomics:** BS EN 527 and BS EN 1335

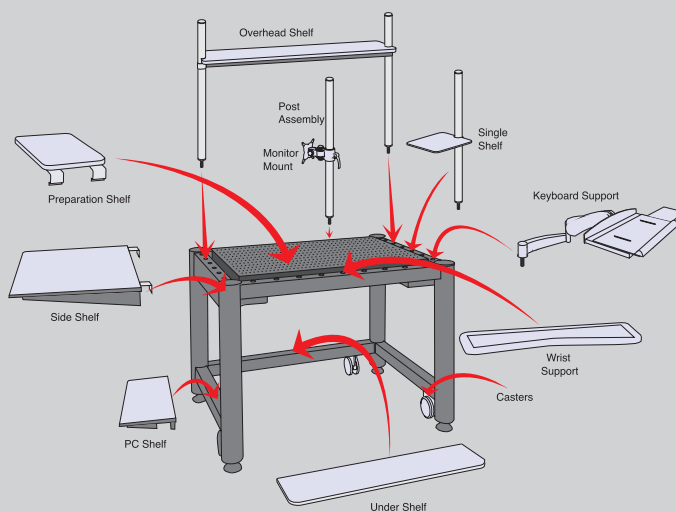
### ScienceDesk Bases – Rigid Supports

**Stocked for Immediate Delivery**

ITEM#	\$	£	€	RMB	ACCEPTED BREADBOARD SIZE	FRAME WEIGHT*
SDR7590	\$ 1,250.00	£ 866.60	€ 1,109.80	¥ 10,556.00	2.5' x 3' (750 x 900 mm)	144 lbs (66 kg)
SDR75120	\$ 1,275.00	£ 883.90	€ 1,132.00	¥ 10,767.00	2.5' x 4' (750 x 1200 mm)	152 lbs (69 kg)
SDR90120	\$ 1,300.00	£ 901.20	€ 1,154.20	¥ 10,978.00	3' x 4' (900 x 1200 mm)	161 lbs (73 kg)

\*The weights listed are only for the frame and do not include packaging. Please contact your local sales office for a quotation including shipping.

Thorlabs offers a large range of accessories that are directly compatible with your ScienceDesk, making it possible to create a truly customized 3D work space environment. Shelving options are available that allow the user to place instrumentation above, below, or around the isolated work surface. Unlike other systems that have fixed wrap-around shelving solutions, leading to a claustrophobic, dim working environment, our modular accessory system lets you add and remove shelves at will so that they are only placed where needed and can conform to your changing requirements. This leads to a more open, comfortable working environment. In addition to shelving, we also offer a monitor holder, a keyboard holder, a wrist rest, casters, and extra mounting posts.



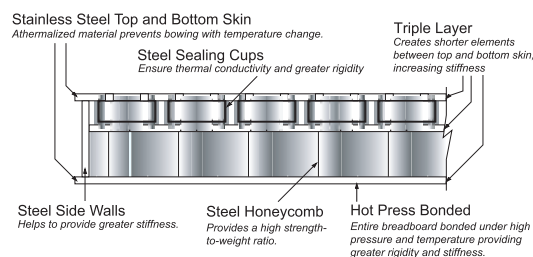
## ScienceDesk™ Breadboards – PerformancePlus™ Series

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, and a monitor mount.

The PerformancePlus breadboards incorporate a triple-plate (top, bottom, and middle), double-honeycomb design, providing unsurpassed 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. 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 cylindrical-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.

- Triple-Plated, 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



### Specifications

- **Mounting Holes:**
  - Imperial: 1/4"-20 on 1" Centers
  - Metric: M6 x 1.0 on 25 mm Centers
- **Flatness:** ±0.004" (0.10 mm) Over Any 11.8 in<sup>2</sup> Area
- **Thickness:** 2.4" (60 mm)
- **Construction:** Triple-Plated, Double Honeycomb Core, Athermalized Design with Matching Plate Materials for Maximum Thermal Stability
- **Damping:** Enhanced
- **Main Core:** High-Density Plated Steel Honeycomb
- **Intermediate Core:**
  - Plated Steel Sealing Cup Honeycomb Structure, 0.15" (13 mm) Thick
  - Cell Size Approximately 0.25 in<sup>2</sup> (1.6 cm<sup>2</sup>)
- **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, Brush finished
  - Bottom Plate: Magnetic Stainless Steel, 3/16" (5 mm) Thick
- **Sides:** Black Laminated Steel

### Imperial PerformancePlus Series of ScienceDesk™ Breadboards

Stocked for Immediate Delivery

ITEM#*	\$	£	€	RMB	DIMENSIONS	COMPATIBLE FRAMES
PBI11111	\$ 1,300.00	£ 901.20	€ 1,154.20	¥ 10,978.00	3' x 2.5' x 2.4"	Item#'s Ending in 7590
PBI11112	\$ 1,480.00	£ 1,026.00	€ 1,314.00	¥ 12,498.00	4' x 2.5' x 2.4"	Item#'s Ending in 75120
PBI11115	\$ 1,565.00	£ 1,085.00	€ 1,389.50	¥ 13,215.00	4' x 3' x 2.4"	Item#'s Ending in 90120

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

### Metric PerformancePlus Series of ScienceDesk™ Breadboards

Stocked for Immediate Delivery

ITEM#*	\$	£	€	RMB	DIMENSIONS	COMPATIBLE FRAMES
PBI51511	\$ 1,300.00	£ 901.20	€ 1,154.20	¥ 10,978.00	900 mm x 750 mm x 60 mm	Item#'s Ending in 7590
PBI51512	\$ 1,480.00	£ 1,026.00	€ 1,314.00	¥ 12,498.00	1200 mm x 750 mm x 60 mm	Item#'s Ending in 75120
PBI51515	\$ 1,565.00	£ 1,085.00	€ 1,389.50	¥ 13,215.00	1200 mm x 900 mm x 60 mm	Item#'s Ending in 90120

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

## ScienceDesk™ Breadboards – Performance™ Series

- Flat Top Surface of a Performance™ Breadboard is Made of High-Quality Magnetic Stainless Steel
- Unique Athermalized Design Maximizes Thermal Stability
- Steel Core and Internal Damping Provide Both Static and Dynamic Rigidity
- Magnetic Top and Bottom Plates Offer Component Mounting Versatility

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, and a monitor mount.

### Specifications

- **Mounting Holes:**
  - Imperial: 1/4"-20 on 1" Centers
  - Metric: M6 x 1.0 on 25 mm Centers
- **Flatness:** ±0.005" (0.13 mm) Over any 11.8 in<sup>2</sup> Area
- **Thickness:** 2.4" (60 mm)
- **Construction:** Double-Plated, Single Honeycomb Core, Athermalized Design
- **Core:** High-Density Plated Steel Honeycomb
- **Damping:** Proprietary Broadband Damping
- **Top and Bottom Plates:**
  - Top Plate: Magnetic Stainless Steel, 3/16" (5 mm) Thick, Brush Finished
  - Bottom Plate: Magnetic Stainless Steel, 3/16" (5 mm) Thick
- **Sides:** Black Laminated Steel
- **Edge of Top Plate to First Hole:**
  - Imperial: 2"
  - Metric: 50 mm

The Performance series, including the no holes version featured below, incorporates a double-plate (top and bottom), single-honeycomb design, providing excellent stiffness and dynamic rigidity. The Performance series consists of a stainless steel top plate. 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.



### Imperial Performance Series ScienceDesk™ Breadboards

**Stocked for Immediate Delivery**

ITEM#	\$	£	€	RMB	DIMENSIONS	COMPATIBLE FRAMES
PBH11111	\$ 1,020.00	£ 707.10	€ 905.60	¥ 8,613.00	3' x 2.5' x 2.4"	Item#'s Ending in 7590
PBH11112	\$ 1,160.00	£ 804.20	€ 1,029.90	¥ 9,795.10	4' x 2.5' x 2.4"	Item#'s Ending in 75120
PBH11115	\$ 1,240.00	£ 859.60	€ 1,100.90	¥ 10,471.00	4' x 3' x 2.4"	Item#'s Ending in 90120

### Metric Performance Series ScienceDesk™ Breadboards

**Stocked for Immediate Delivery**

ITEM#	\$	£	€	RMB	DIMENSIONS	COMPATIBLE FRAMES
PBH51511	\$ 1,020.00	£ 707.10	€ 905.60	¥ 8,613.00	900 mm x 750 mm x 60 mm	Item#'s Ending in 7590
PBH51512	\$ 1,160.00	£ 804.20	€ 1,029.90	¥ 9,795.10	1200 mm x 750 mm x 60 mm	Item#'s Ending in 75120
PBH51515	\$ 1,240.00	£ 859.60	€ 1,100.90	¥ 10,471.00	1200 mm x 900 mm x 60 mm	Item#'s Ending in 90120

## ScienceDesk™ Breadboards - Performance Series with No Holes

These 2.4" (60 mm) thick optical breadboards utilize the same construction techniques as our standard Performance Series range described above but without drilled or tapped holes in the top plate. They provide high stiffness and standard damping, making them an ideal solution for microscopy applications.



### Performance Series Breadboards, No Holes

**Stocked for Immediate Delivery**

ITEM#*	ITEM# METRIC	\$	£	€	RMB	SIZE
PBH11111/NH	PBH51511/NH	\$ 869.00	£ 602.50	€ 771.60	¥ 7,337.90	3' x 2.5' x 2.4" (900 x 750 x 60 mm)
PBH11112/NH	PBH51512/NH	\$ 985.00	£ 682.90	€ 874.50	¥ 8,317.40	4' x 2.5' x 2.4" (1200 x 750 x 60 mm)
PBH11115/NH	PBH51515/NH	\$ 1,054.00	£ 730.70	€ 935.80	¥ 8,900.00	4' x 3' x 2.4" (1200 x 900 x 60 mm)

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

## ScienceDesk™ Accessories



### Accessories

- Shelves
- Keyboard Holders
- Wrist Rest
- Flat Screen Support Brackets
- Post Assemblies
- Casters

U.S. Patent: D455,300S  
GB Patent: GB2.365.991B

Thorlabs' ScienceDesk accessories provide an array of custom configurations to meet almost all work space requirements. Seven different shelving options are available, including overhead shelves, side shelves, and lower shelves to support test instrumentation, computers, and tools. A monitor mount allows standard flat panel monitors to be supported off the work surface. A keyboard mount and a wrist rest are also available.

Our ScienceDesk accessories are available for all models of the ScienceDesk frames. Accessories can be mounted in a multitude of locations to maximize your comfort and productivity, thus allowing the work space to be reconfigured as requirements change.

## Under Shelves



- 250 mm Shelf Depth
- Max Load Capacity of 110 lbs (50 kg)

The under shelf spans the rear of the ScienceDesk, providing a 9.9" (250 mm) shelf depth. The shelf is mounted on the rear or side rails of the lower frame.

### Under Shelves

ITEM#	\$	£	€	RMB	FRAME LENGTH	SHELF DIMENSION
PSY300	\$ 80.00	£ 55.50	€ 71,10	¥ 675.60	750 mm	750 mm x 250 mm
PSY301	\$ 85.00	£ 59.00	€ 75,50	¥ 717.80	900 mm	900 mm x 250 mm
PSY302	\$ 90.00	£ 62.40	€ 80,00	¥ 760.00	1200 mm	1200 mm x 250 mm

## ScienceDesk Casters



- Locking Mechanism Prevents Unintentional Movement
- Max Load Capacity of 704 lbs (320 kg), Including the Frame

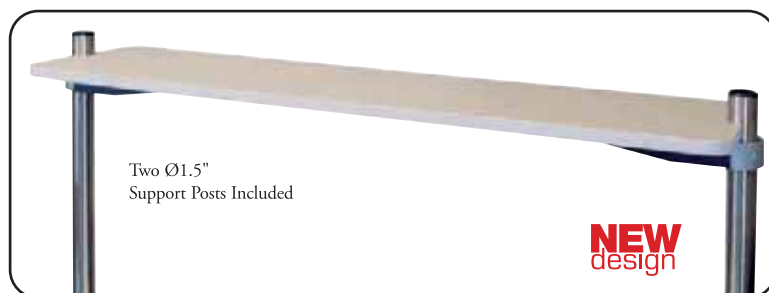
The casters come in a set of four, attach to the bottom of a ScienceDesk frame, and convert it into a mobile workstation. Once the ScienceDesk is in the desired location, each foot can be lowered to provide a stationary work environment. The casters feature a locking mechanism to prevent inadvertent movement when the frame's feet are not lowered. Casters can be fitted to the ScienceDesk frame before shipment upon request.

### ScienceDesk Casters

ITEM#	\$	£	€	RMB	DESCRIPTION
PSY140	\$125.00	£ 86.70	€111.00	¥ 1,055.60	Set of Four Casters

## ScienceDesk™ Overhead Shelves

- 110 lbs (50 kg) Max Load Capacity
- Widths of 36" (900 mm) and 48" (1200 mm)
- 11.8" (300 mm) Shelf Depth



These standard overhead shelves span the rear of the ScienceDesk™ and provide a shelf depth of 11.8" (300 mm). They can be mounted to either side of the ScienceDesk frame using the included 600 mm posts, and the height is adjustable.

### Standard Overhead Shelves

ITEM#	\$	£	€	RMB	FRAME LENGTH	SHELF DIMENSION
PSY201	\$ 275.00	£ 190.70	€ 244.20	¥ 2,322.20	36" (900 mm)	36" x 12" (900 mm x 300 mm)
PSY202	\$ 285.00	£ 197.60	€ 253.10	¥ 2,406.60	48" (1200 mm)	48" x 12" (1200 mm x 300 mm)

## Single Shelf

- 10.9" x 11.8" (278 mm x 300 mm) Shelf Size
- Includes 23.5" (597 mm) Post
- 44 lbs (20 kg) Max Load Capacity

The single shelf can be mounted on the upper side or on the rear rails of the ScienceDesk™ base.



### Single Shelf with Post

ITEM#	\$	£	€	RMB	SHELF DIMENSION
PSY190	\$135.00	£ 93.60	€119.90	¥ 1,140.00	10.9" x 11.8" (278 mm x 300 mm)

## Side Shelves

- Versions for 750 mm and 900 mm Depth ScienceDesks
- 23.6" (600 mm) Width
- 110 lbs (50 kg) Max Load Capacity

The side shelf accessory can be mounted to either side of the upper side rails of the ScienceDesk.

### Side Shelves

ITEM#	\$	£	€	RMB	FRAME LENGTH	SHELF DIMENSION
PSY350	\$ 175.20	£ 121.50	€ 155.60	¥ 1,479.40	750 mm	29.7" x 23.6" (755 mm x 600 mm)
PSY351	\$ 185.00	£ 128.30	€ 164.30	¥ 1,562.20	900 mm	35.6" x 23.6" (905 mm x 600 mm)



## PC Shelf



- Designed to Hold a PC
- 10.2" x 17.7" (260 mm x 450 mm)
- Max Load Capacity of 44 lbs (20 kg)

The PC shelf, which has a 44 lbs (20 kg) load capacity, can be mounted to the upper or lower rails of the ScienceDesk. The shelf is ergonomically positioned on the frame of the ScienceDesk™ and is ideally suited for supporting a PC.

### PC/Movable Shelf

ITEM#	\$	£	€	RMB	SHELF DIMENSION
PSY180	\$ 50.00	£ 34.70	€ 44.40	¥ 422.30	10.2" x 17.7" (260 mm x 450 mm)

## Adjustable Wrist Rest

- Keeps Arms Elevated Above Breadboard
- Padded for Comfort

The adjustable ergonomic wrist rest, which mounts to the upper front bar of the ScienceDesk™ frame and is designed to provide the optimum height and angle for adjusting nanopositioning stages, enables operators to perform delicate instrument adjustments with higher accuracy and lower fatigue. The padded portion of the wrist rest is made from molded foam, which provides extra comfort for the user. It comes with integrated mounting studs and locking bolts.



### Adjustable Wrist Rest

ITEM#	\$	£	€	RMB	FOR BREADBOARDS	DIMENSION
PSY100	\$ 150.00	£ 104.00	€ 133.20	¥ 1,266.70	2.4" (60 mm) Thick or 2.2" (55 mm) Thick	31.5" x 2.4" (800 mm x 60 mm)

## Sample Preparation/Staging Shelves

- Raised Above Breadboard Surface
- Max Load Capacity of 33 lbs (15 kg)

The preparation shelf rests on the upper rails of the ScienceDesk. By resting on the rails and not the breadboard, a user can create usable work space while not disturbing the isolated breadboard, and the shelf can be easily repositioned on the frame. The shelf length corresponds to the width of table it is designed for.

### Sample Preparation/Staging Shelves

ITEM#	\$	£	€	RMB	FRAME LENGTH	SHELF DIMENSION
PSY250	\$ 80.00	£ 55.50	€ 71.10	¥ 675.60	750 mm	250 mm x 750 mm
PSY251	\$ 85.00	£ 59.00	€ 75.50	¥ 717.80	900 mm	250 mm x 900 mm



## Keyboard Holder

- Includes Wrist Pad
- Attaches to ScienceDesk Frame

The frame-mounted Keyboard Holder is suitable for most keyboards and mouse pads. It fixes to the side rails and provides 360° of horizontal positioning and vertical adjustment.

### Keyboard Holder

ITEM#	\$	£	€	RMB	DESCRIPTION
PSY132	\$ 399.00	£ 276.60	€ 354,30	¥ 3,369.20	Frame-Mounted Keyboard Support



## Flat Screen Support Bracket



- Compatible with 75 mm x 75 mm and 100 mm x 100 mm VESA Patterns
- Mounts to a Ø1.5" Post

The flat screen support bracket is compatible with 75 mm x 75 mm and 100 mm x 100 mm VESA mounting patterns. These mounting patterns are typically used on small to medium LCD displays. A Ø1.5" post must be used with this mount and is not included. An acceptable post is our PSY160 (below); alternatively, a post from an Overhead Shelf or Instrument Shelf may also be used.



### Flat Screen Support Bracket

ITEM#	\$	£	€	RMB	DESCRIPTION
PSY120	\$ 105.00	£ 72.80	€ 93,30	¥ 886.70	Flat Screen Support Bracket

## Post Assembly



- Total Length: 24" (600 mm)
- Usable Length: 23.5" (588 mm)
- Ideal for Mounting Ø1.5" Post Accessories
- Mounting Hardware Included

These posts are suitable for mounting auxiliary equipment. They can be ergonomically positioned and mounted on the surrounding frame of the ScienceDesk. The post assembly is offered with a 1.5" (38 mm) outer diameter and a usable length of 23.5" (588 mm).

### Post Assembly

ITEM#	\$	£	€	RMB	SIZE
PSY160	\$ 65.00	£ 45.10	€ 57,80	¥ 548.90	Ø1.5" x 24" (Ø38 mm x 600 mm)

## Post Mount Adapter

- Mount a Ø1.5" ScienceDesk Post (PSY160) to a Breadboard
- Metric and Imperial Compatible
- Use ScienceDesk Accessories on an Optical Table

The TA1 post adapter allows a Ø1.5" ScienceDesk post (PSY160) to attach to a breadboard or optical table. The adapter has through holes spaced 50 mm x 50 mm (2" x 2") to attach to standard metric (M6 x 1.0) or imperial (1/4"-20) breadboards. With this adapter, the ScienceDesk Accessory System can compliment nearly any standard breadboard, providing increased usable work space. The ScienceDesk posts attach to the adapter via an M16 counterbore. The adapter includes necessary metric and imperial mounting hardware.

Please note that this adapter is not designed for use with two post shelves such as the Overhead Shelves.

**NEW product**



### Post Mount Adapter

ITEM#	\$	£	€	RMB	SIZE
TA1	\$ 27.50	£ 19.10	€ 24,50	¥ 232.30	Post Mount Adapter