

- **All-Aluminum Height Control Valves**

All systems are equipped with rugged all-aluminum height control valves. Virtually unbreakable, they are finger adjustable with no need for tools. The standard model maintains height to  $\pm 0.050$  in. ( $\pm 1$  mm); the precision model, to  $\pm 0.005$  in. ( $\pm 0.1$  mm).

- **Internal Piston Travel Restraint**

Unique in the industry, Technical Manufacturing Corp provides husky, tamperproof, built-in piston travel restraints. The restraints are completely independent of the table valves and have been ram-tested at forces above those produced by the pistons operating at full pressure. They cannot be decoupled accidentally and do not interfere with setting up and using the table, but simply protect against overtravel without the use of external bars that create hazardous pinch points. Heavy loads, including the top plate, can be safely removed from a table in full operation.

- **Tiebar Gussets**

Exclusive TMC tiebar gussets increase table frame rigidity. They compensate for the elimination of the front tiebar in order to provide kneewell space.

- **Rugged Built-in Leveling Feet**

Table legs include built-in fine-thread 3 in. (75 mm) diameter screw jack levelers with 1/2 in. (13 mm) travel, provision for external adjustment and a handy adjustment wrench. The base is a solid, slightly domed shape to assure solid, wobble-free contact with sloping or irregular floors.

- **Superior Table Tops**

Our standard laminated tops provide an attractive stainless steel ferromagnetic working surface with highly damped, high stiffness construction at low cost. For applications requiring the ultimate stiffness and damping or mounting holes, specify TMC's patented CleanTop® II honeycomb top.

## Accessories for 63 Series

Tables may be fitted with armrests and rigidly supported sliding side shelves just above the table top. The sliding shelves must be used in conjunction with a front support bar and a rear support bar that are fastened to the table legs. The bars can be retrofitted, but cannot be used with the full perimeter enclosure or Faraday Cage.

### Front Support Bar

This adjustable steel rail mounts on the table's front legs. It has a slot in which the shelves mount, and is normally ordered with the armrest pads. The bar may be centered along the length of the table or cantilevered to suit your application.

### Rear Support Bar

This adjustable rail mounts on the rear table legs and supports the rear end of the sliding shelves. It may also be cantilevered.

### Armrest Pads

Adjustable leather forearm rests which fasten to the front support bar. An armrest pad is now available which fastens to the perimeter enclosure.

### Armrest Pads



### Sliding Shelves

Shelves are made of wood with white plastic laminate covering all sides. A metal bracket on the front edge of the shelf fits into the slot in the front support bar. Shelves slide freely from side to side and are easily lifted off the support bars. Built-in stops prevent shelves from sliding out of slots. When ordering sliding shelves, you must order front and rear support bars.

### Raised Rear Shelf

The 14 in. (350 mm) deep raised rear shelf mounts on the full perimeter enclosure and is the length of the corresponding table top. The shelf is solidly supported 18 in. (450 mm) above the isolated surface with no direct noise transmission to the table top.

NOTE: This shelf cannot be used with the Faraday Cage.

### Sub Shelf

For additional storage space, a shelf mounted beneath the isolated table top is available and may be retrofit at any time.

### Clear Acrylic Enclosures

The clear acrylic enclosure provides protection from drafts and dust. Custom configurations allow for acoustic and light protection. Features include: clear acrylic panels; solid top; triple-track front section with a three-piece sliding front panel.

### Fixed Full Perimeter Enclosures

A fixed, welded-steel structure that completely surrounds the table top to provide non-isolated support for Faraday Cages, raised rear shelves Plexiglas enclosures and other special fixtures. Cannot be used with sliding shelves or support bars.

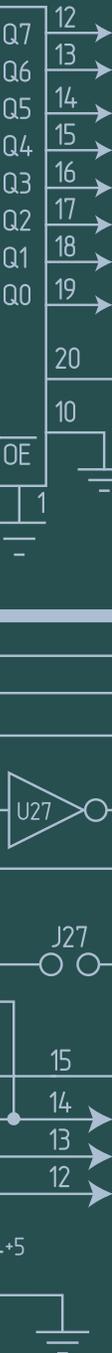
### Precision Control Valves

To minimize bottled air supply usage, standard TMC height control valves have a small "dead band," resulting in a height return accuracy of  $\pm 0.05$  in. ( $\pm 0.13$  mm). Precision valves control height to within  $\pm 0.005$  in. (0.13 mm) but have a slight, constant leak. To specify precision height control valves with a table, add the letter 'P' after the basic table model number.

### Casters

A set of four retractable casters, with a total weight capacity of 1000 lbs (450 kg) can be mounted to the base of the table legs.

### Casters



## Quiet air compressor



## Ordering Information

Part No.	TMC Air Table
TM-63-7590	63 Series CleanBench High-Performance Lab Air Tables
TM-81-301-012	Front support bar 63-500 Series
TM-81-302-012	Rear support bar 63-500 Series
TM-90-7590	OnTrak pre-assembled roll off feature
compressor	Quiet air compressor
Complete TMC product line available. Call or email for part numbers.	

U.S./Canada prices shown. International prices add 15%. Email or visit web store for latest prices.

## Breadboards



## Breadboards

Another in a long line of TMC innovations, the 75 Series Breadboards minimize both weight and cost. A patented manufacturing technique allows us to form countersunk, tapped holes in a thin top skin of stainless steel. The holes are not drilled or punched, but fabricated in a way that effectively "thickens" the skin in a small ring around the threads. No inserts are used and the tapped holes are 3 threads deep.

## Breadboard Specifications

### Core

Steel honeycomb, closed-cell,  
0.010 in. (0.2mm) thick foil

### Core Shear Modulus

275,000 psi  
(19,300 kg/cm<sup>2</sup>)

### Core Cell Size

<0.5 in.<sup>2</sup>  
(3cm<sup>2</sup>)

### Core Density

13.3 lb/ft<sup>3</sup>  
(230 kg/cm<sup>3</sup>)

### Top Skin

430 series stainless steel, 0.075in.  
(2 mm) thick

### Bottom Skin

400 series stainless steel, 0.075in.  
(2 mm) thick

These tops have relatively high levels of rigidity, as they utilize our standard steel core. They are ideal when light loads are anticipated and low weight and/or cost are the most crucial factors.

This lightweight design is available from stock in several sizes. A full range of sizes and materials is available on a custom basis.

- Ultra-lightweight design weighs less than 9 lbs/ft<sup>2</sup> (44 kg/m<sup>2</sup>).
- Ferromagnetic Stainless steel top and bottom skins.
- Aluminum and carbon steel versions available.
- Formed holes are countersunk and tapped 3 threads.
- Formed holes in top skin add to rigidity.
- CleanTop® individual cups under each hole make the core spillproof.

## Ordering Information

Part No.	TMC Breadboard
TM-75SSC-103-02	Breadboard 19 x 23" 75 Series (metric sizes with M6 holes)
TM-75SSC-104-12	Breadboard 19 x 47" 75 Series (available)
TM-75SSC-115-12	Breadboard 23" x 35" 75 Series
TM-75SSC-135-02	Breadboard 35 x 47" 75 Series
Complete TMC product line available. Call or email.	

U.S./Canada prices shown. International prices add 15%. Email or visit web store for latest prices.

