



ROBOTIC TABLES

Modular in design for ever changing Lab priorities, our Robotic Tables are rugged and reliable rated for 1,000 lbs centered load.

Standard sizes of 1M Sq and 1M X 2M provide the modular flexibility required for changing lab arrangements.

Our Robotic Tables are designed specifically for the lab automation engineer with extremely flat tops, almost infinite mounting positions and accessories and kits.



Framing Systems

- Extruded Aluminum
- Powder Coated Carbon Steel
- 304 Stainless Steel
- T6 Aluminum

Selection of Robotic Tops

- Drilled and Tapped Aluminum Tool and Jig Plate
- GridLine Aluminum Tool and Jig Plate
- Plain Aluminum Tool and Jig Plate

Finishes for Robotic Tops

- Anodized – (8) colors
- Hard coated – (2) colors
- Teflon Adhesive

Accessories

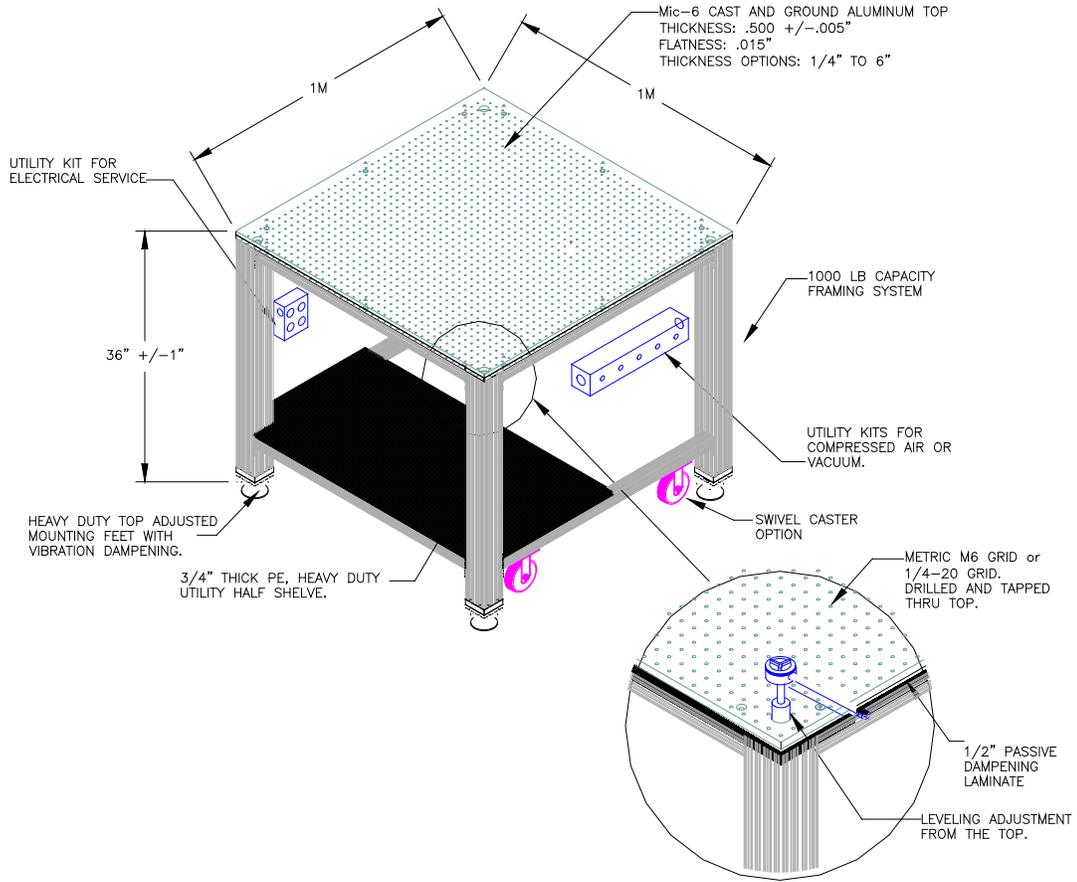
- Machine Positioners
- Machine Clamps
- Tubing and Wiring Clamps

Utility Kits

- Compressed Air and Vacuum
- Electrical
- Plumbing Manifolds

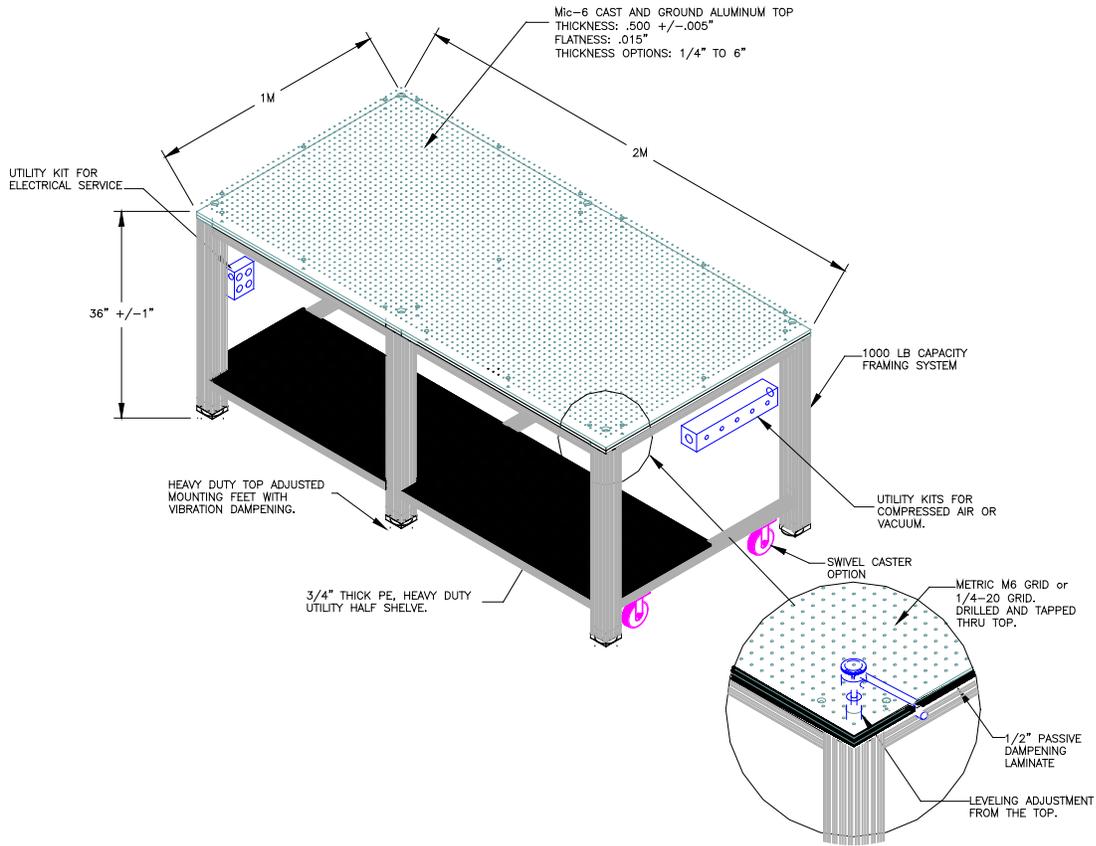


1 METER SQUARE ROBOTIC TABLES





1 METER X 2 METER ROBOTIC TABLES



Fastened Framing Systems

Rated Framing Load: 1,000 lbs

- Extruded Aluminum

1M X 2M Framing

1S
 10 lbs

- Powder Coated Carbon Steel
- 304 Stainless Steel
- T6 Aluminum



ROBOTIC TABLES - TOPS

Top Material

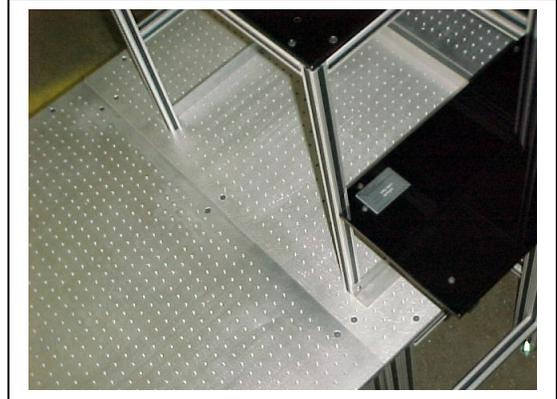
- Mic-6 Aluminum Tool and Jig Plate – a cast and ground product providing an excellent surface for mounting linear motion devices.

Dimensions and Tolerances

- Standard Thickness: ½”
- Thickness Deviation: +/- .005”
- Transverse Flatness: .015”
- Thickness Options: ¼” to 6”

- Standard Sizes: 1M X 1M (39.37” X 39.37”)
1M X 2M (39.37” X 78.74”)

- Dimensional Tolerance: +/- .010”
- Size Option: Any available size
- Tolerances are laser controlled.



Grid Pattern

- Metric Grid: M6 spaced every 25mm with 37.5mm borders
- English Grid: ¼-20 spaced every 1” with 1 ½” borders
- Grid Options: Any Grid pattern

Standard Surface Finish

- Surface Ground to .50 micron finish

Surface Finish Options

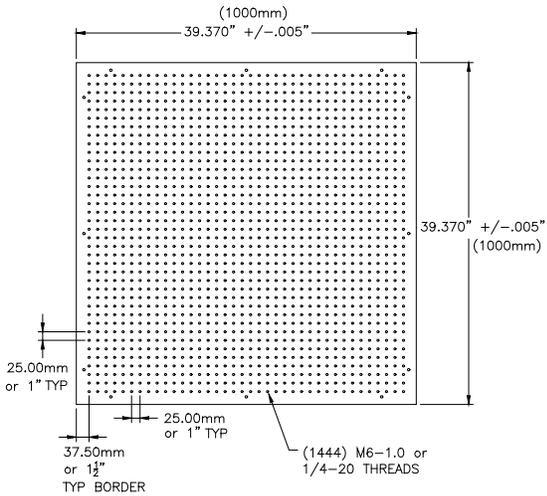
- Teflon Adhesive
- Anodized
- Hard Coated



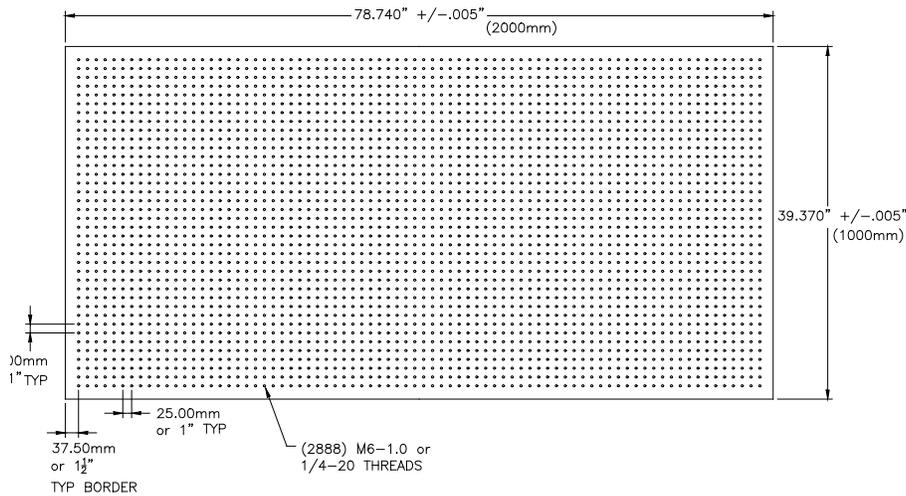
DRILLED AND TAPPED ROBOTIC TOPS

Drilled and Tapped Tops provide automation engineers and scientists with an easy, flexible way of mounting equipment.

1M X 1M



1M X 2M

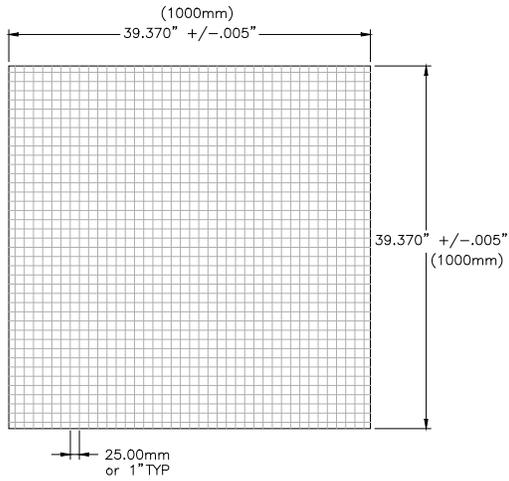




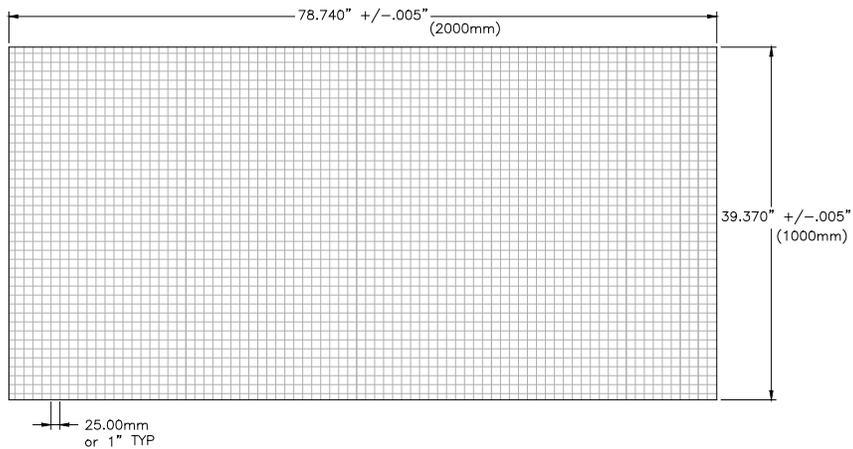
GRIDLINE ROBOTIC TOPS

GridLine Tops provide automation engineers and scientists with an etched grid pattern for aligning and squaring equipment. Once equipment is located, the tops are easily drilled and tapped for mounting anchors and supports

1M X 1M



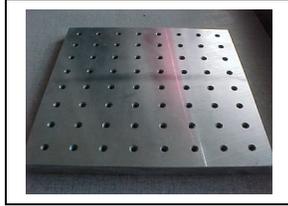
1M X 2M





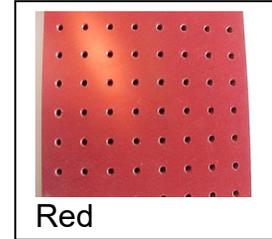
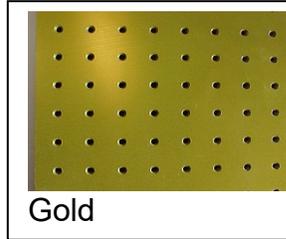
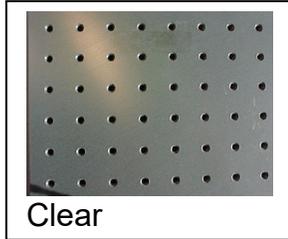
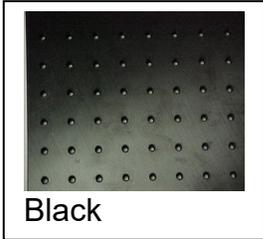
ROBOTIC TOPS – SURFACE FINISHES

Standard Mill Finish



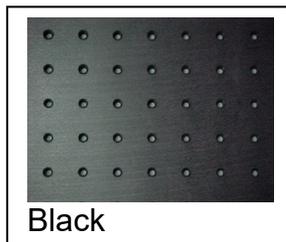
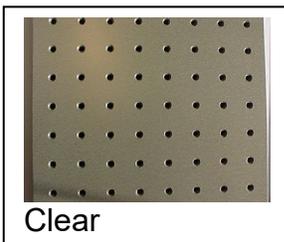
- Surface Ground to .50 micron finish

Anodized



Other colors include purple, green, turquoise, blue

Hard Coated



Also available – Teflon Coated adhesive



ROBOTIC TABLES – MOUNTING, LEVELING AND REPOSITIONING

Standard



Standard Robotic Tables are equipped with 3" leveling feet. These feet are ball jointed to accommodate for uneven floors.

Caster Option



4" swivel casters with swivel locks provide flexibility with maneuvering in tight lab areas or for moving the Table down straight corridors.

Top Leveling Adjustment Option

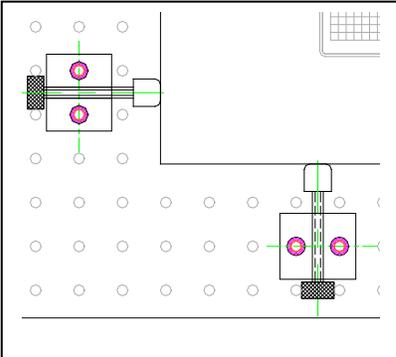


Precise leveling of Robotic Tables is crucial for repeatable robot performance. Top Leveling adjustments make it simple.



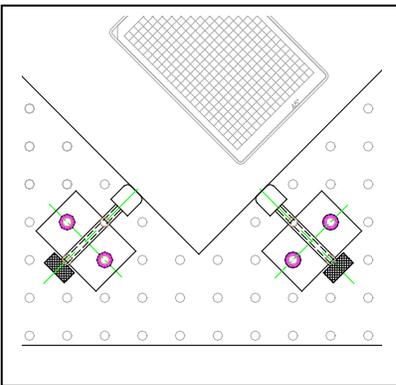
ROBOTIC TABLES - ACCESSORIES

Positioners



90° Positioners are used in conjunction with our Drilled and Tapped Robotic Tops.

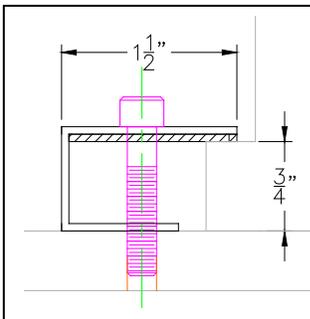
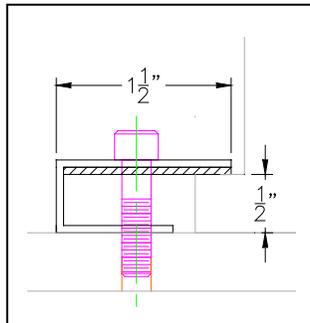
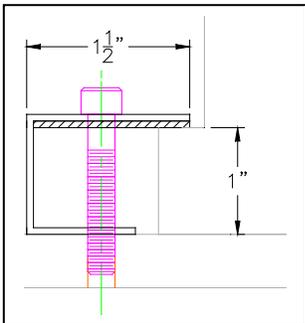
Machined aluminum blocks are mounted to the Drilled and Tapped Top. Make adjustments by turning the knurled thumb screw.



45° Positioners are used in conjunction with our Drilled and Tapped Robotic Tops.

Machined aluminum blocks are mounted to the Drilled and Tapped Top. Make adjustments by turning the knurled thumb screw.

Machine Clamps



Aluminum “U” clamps with rubber backing make ideal Machine Clamps. Clamps are bolted to Drilled and Tapped Tops.



ROBOTIC TABLES – UTILITY KITS

Vacuum and Compressed Air Manifolds _____

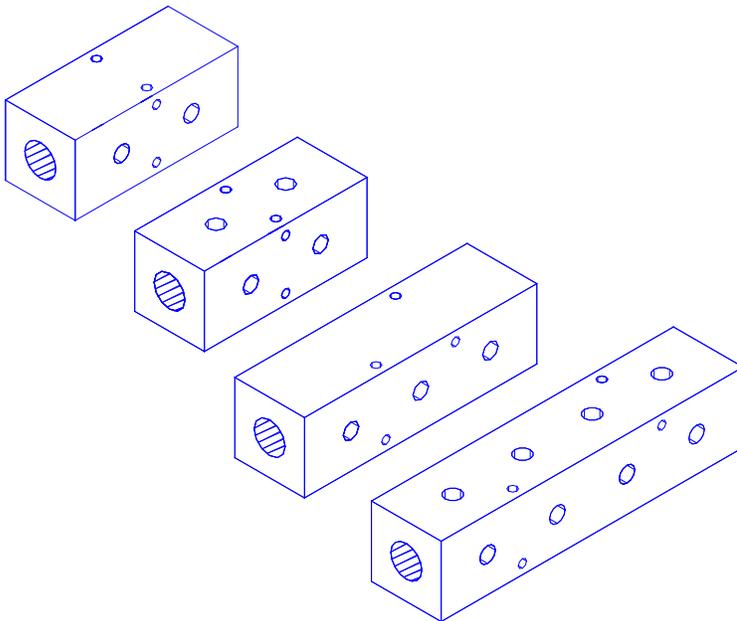
6061 Machined Aluminum

Modular and designed to fit 1M Sq tables, 1M X 2M and any custom size. Compressed Air Manifolds eliminate unsightly piping and tubing while maintaining modularity.

Compressed Air Manifolds are designed to be “daisy chained” together, meaning only one supply is necessary.

From 2 ports to 20.

From 1/8” NPT to 1” NPT.





CUSTOM RACKS AND CARTS

Our custom Racks and Carts integrate Wash Stations, Incubators, Plate Silos, Monitors, Bottles and PC's into ergonomically efficient work stations, increasing productivity and safety in your lab.





UNITARY BASES

Used in conjunction with our Robotic Tables, Unitary Bases provide fixed, integrated and repeatable positioning between instruments such as plate cranes to sealers.

Custom designed and machined for each specific application.

UNITARY BASE FOR HUDSON PLATE CRANE
AND ALPS 300 PLATE SEALER

