



Workstation type TB-SL-2000 is used for manual eutectic soldering of components, using different soldering performs according to user standards (as Au/Ge, Ga/As etc.). The system also allows eutectic soldering without any performs (as Silicone components soldering).

The unit can be used for a variety of components soldering as MIC, RF devices and micro-electronics components.

Soldering is done under a clean environment of Forming gas (or other, according to customer process).

Standards

MABAT works in accordance with ISO.
ISO 14001 and ISO 9001 standards.
Member of SEMI.

All products are designed and manufactured according to SEMI guidelines.



TB-SL-2000 Manual eutectic soldering workstation

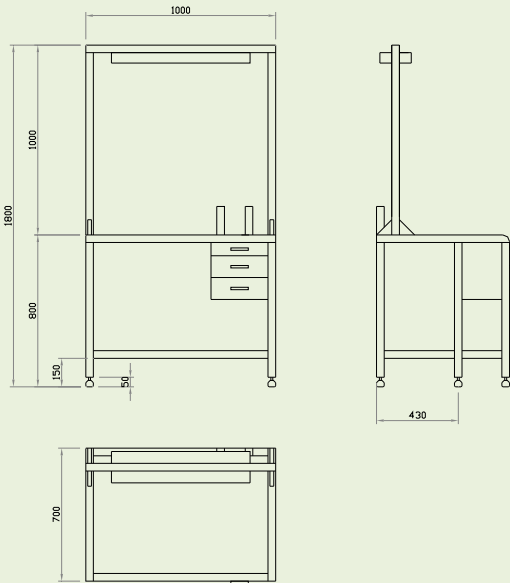
- Constant and stable temperature at the plate core is achieved by continuous gas flow
- Soldering under temperature of up to 450°C, accuracy $\pm 1^\circ\text{C}$
- Start/Stop push button to extract vacuum to the Holding Plate
- The soldering is done under the environment of Forming gas (or other) to obtain safe and Oxygen free soldering environment
- Isolated plate around the soldering area to provide worker maximum safe and easy access to the process
- Different carousels provide different soldering opens dimensions. In order to keep the soldering area as fit as can be to the soldered carrier
- **Ergonomics**
 - Carousel holder around the soldering area, for easy performs and components access during work
 - Easy access to the operation buttons
 - Isolated carry arm for components checking with no need in temperature changes
 - Round table edges for worker's safety and comfort
 - Different holders and covers for all accessorized items



Options

- Microscope (by customer)
- Oxygen Analyzer (by customer)
- General dimensions could be modified according to customer requirements
- Working area could be modified according to customer requirements
- Table top light

TB-SL-2000 Manual eutectic soldering workstation



Dimensions

	Height	Width	Depth
General	1,800 mm	1,000 mm	700 mm
Working area	800 mm	1,000 mm	700 mm

Utilities Needed

Mixing Gas Pressure	1.0-2.0 bar.
Mixing Gas Flow	10-20 SCFH
CDA	50 lpm at 6 bar
Vacuum	-1 to -0.3 bar

Electrical

Supply	220 VAC 6A
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Construction Materials

Table frame	Aluminium
Work Surface	Wood coating with HPL antistatic surface
Heating Surface	SS 316
Isolation Plate	Aluminium

MABAT can offer a turn-key solution if required and have their own experienced team or approved local contractors to ensure project installation and acceptance deadlines are achieved.

MABAT have a range of products to suit most applications and can also provide custom built systems for non-standard requirements. Site visits can be arranged to ensure the end user's exact needs are understood and accommodated.

Please contact our offices to obtain advice and quotations.

For applications outside any system's specification or capabilities please refer to our local representative or the MABAT Headquarters at Kiryat Gat.

MABAT have more than 25 years experience supplying systems to the Semiconductor and Solar Cell manufacturing industries.

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Operation buttons

Isolated carry arm

Carousel holder

Replacement carousel holder

