

Advanced Automation by the soldering experts

Besigheim / Germany, January 2018 – More than half a century of experience in soldering and superiority in innovation, allows us to take our customers to the next step in achieving production excellence. The new WTBR 1000 Benchtop Robot represents a one-of-a-kind synergy of precision, reliability, and productivity of soldering tasks.

Highest soldering precision and superior reliability

The WTBR 1000 is equipped with Weller's high performance Technology Line soldering tools, ensuring consistent quality of solder joints. The solder feeder is designed to be in close proximity to the workpiece (PCB), pulling the wire rather than pushing it through the feeder tube. The robust and sturdy construction ensures that no sudden movements or vibrations negatively affect the workpiece, the components or the tools.

Maximizing productivity, lowering cost

A double drawer system allows continuous production thereby providing much higher process throughput, improving productivity and offering flexibility. The WTBR 1000 allows up to 50% cost saving versus hand soldering.

Easy to learn and use software

The WTBR 1000 is operated with easy to learn and use software, enabling operators to start using the unit comfortably and quickly.



It is easy to switch from one operator to another, with minimum time lost and without unnecessary training expenses.

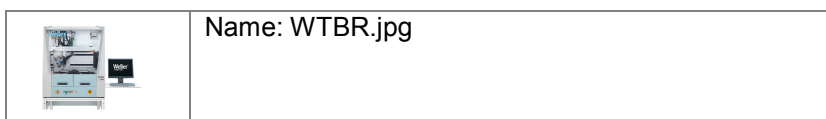
Fully-enclosed system offers triple protection

Being a fully-enclosed system, with integrated fume extraction, the WTBR 1000 Benchtop Robot allows our customers to achieve the highest level of safety: protecting the operator, the workpiece (PCB) and the machine. The fully-enclosed system provides a complete and CE-compliant solution to the customer.

WTBR 1000 - Technical Data Overview

Dimensions (inches)	43.3 x 35.4 x 37.4
Drawer working area (inches)	15.75 x 8.66 x 3.9 (each drawer's working area 7.9 x 8.66 x 3.9)
Drawers (inches)	23.6 x 18.11 x 3.9 (each drawer 11.8 x18.11 x 3.9)
Accuracy	20 µm
Speed	Max. 200 mm/s (7.9 in/s)
Enclosure	Integrated
Solder wire diameters	0,5 – 1,5 mm
Solder wire feeder speed	2 - 32 mm/s
Soldering tool (standard)	WT 1H mit HER 120
CE	yes
Fume Extraction	yes (Weller LL150)
ESD safe	yes

Photo



About Weller

The Weller name stands for pioneering solutions in soldering technology. Founded in 1945, the company quickly grew to become the market leader in manual soldering technology. Weller's extensive range of products includes innovative solutions for industry and trade. The company's areas of expertise include conventional soldering technology such as extraction systems, precision tools and solutions involving screws, bolts and robots as well as many other benchtop products and services.

In addition to its headquarters in Besigheim, Germany, the company has production sites in Europe, the USA and Latin America. Since 2010, Weller Tools GmbH has operated as part of the Apex Tool Group. With 8000 employees and an annual turnover of more than USD 1.6 billion, the Apex Tool Group, headquartered in Sparks, Maryland, is one of the world's largest manufacturers of industrial hand and power tools, drill chucks, chains and electrical soldering products.

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