

Advanced Automation by the soldering experts

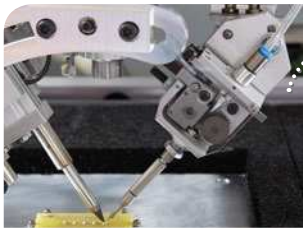
HIGHEST PRECISION. SUPERIOR RELIABILITY.
INCREASED PRODUCTIVITY. ALL FROM ONE SOURCE.

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.

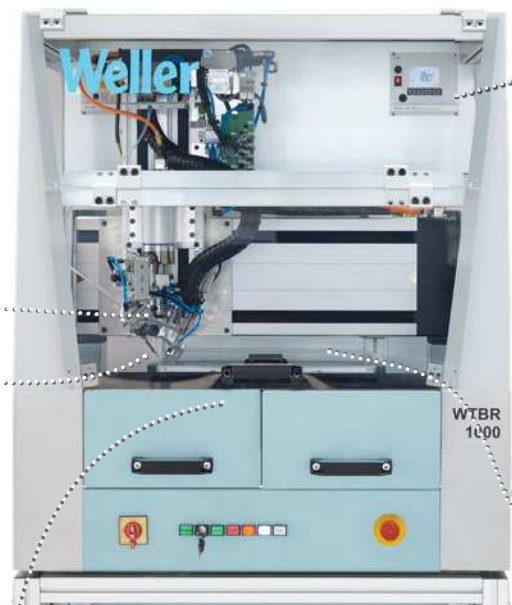
PRECISION



LED illuminated camera enables high-precision soldering with superior quality control



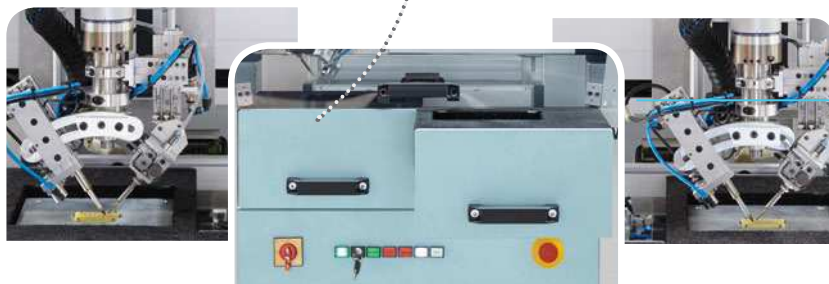
"On point" solder feeder next to the iron smoothly pulls the solder wire through the tube



Robust, sturdy construction protects the unit from disruptive movement or vibration



PRODUCTIVITY



Double drawer system for continuous production



WT 1H soldering station: the brain behind the robot: 150 W, precise temperature control and stability.

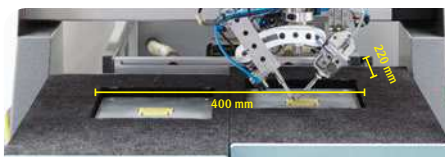
RELIABILITY



Easy to learn and use software



Safety cover fully encloses the integrated fume extraction system, protecting the user, workpiece, and equipment



Working area allows maximum flexibility (Drawer height 100 mm)



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.



Double drawer system

A double drawer system allows continuous production thereby providing much higher process throughput, improving productivity and offering flexibility.



Easy to learn and use software

Enabling operators to start using the unit comfortably and quickly.



“On point” solder feeder

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.



WT 1H soldering station

The WTBR 1000 is equipped with Weller's high performance WT Line soldering tools, ensuring consistent quality of solder joints.



Integrated cleaning tool process

Metal brushes clean soldering tips



LED illuminated camera

Enables high-precision soldering with superior quality control.



Integrated fume extraction system

Safety cover fully encloses the integrated fume extraction system, protecting the user, workpiece, and equipment.



WTBR 1000 Solder Robot

ADVANCED AUTOMATION BY THE SOLDERING EXPERTS

Highest precision. Superior reliability. Increased productivity. All from one source.

The WTBR 1000 represents a one-of-a-kind synergy of precision, reliability, and productivity of soldering tasks.

Based on the proven component of the Weller portfolio, the system allows continuous production and thereby providing a significantly higher process throughput, improving productivity and offering flexibility.



TECHNICAL DATA

Dimensions L x W x H (Inches)	43,3 x 35,4 x 37,4
Dimensions L x W x H (mm)	1100 x 900 x 950
Voltage	200-230VAC / 50-60Hz
Two drawer working area (mm)	400 x 220 x 100 (each drawer 200 x 220 x 100)
Two Drawer working are (Inches)	15.75 x 8.66 x 3.9 (each drawer 7.9 x 8.66 x 3.9)
Two drawers (mm)	600 x 460 x 100 (each drawer 300 x 460 x 100)
Two drawers (Inches)	23.6 x 18.11 3.9 (each drawers 11.8 x 18.11 x 3.9)
Accura in μm	20
Speed	max. 200 mm/s (7.9 in/s)
Housing	Integrated
Solder wire \varnothing in mm	0,5 - 1,5
Solder wire \varnothing in Inch	0.02 - 0.06
Solder wire feeder speed	2 - 32 mm/s (0.08 - 1.25 in/s)
Soldering tool (standard)	WT 1H + HER 120
Fume extraction, incl.	Weller LL150
Weight (approx.) in kg	205
ESD-safe	✓



WTBR 1000 230 V

WTBR 1000 Soldering Robot



Order No. T005 13 985 99

- Highest soldering precision and superior reliability due to integrated Weller Technology Line soldering tools, as well as the solder feeder being in close proximity to the workpiece and an integrated LED illuminated camera
- Maximizing productivity thanks to double drawer system enabling continuous production
- Allows significant cost savings versus hand soldering
- Simple programming and data capturing
- Easy to learn and use software
- Safety cover fully encloses the integrated fume extraction system, protecting the user, workpiece, and equipment
- The robust and sturdy construction delivers precise solder joints at any time
- The fully-enclosed system provides a complete and CE-compliant solution to the customer



Scope of supply	Order No.	Model	Description
	FT-L15N	Laser Line LL 150	Laser extraction unit, 100- 240 V / 60 Hz
	T005 34 356 99N	WT 1H	1-Channel Power Unit, 150 W

Accessories	Order No.	Model	Description
	T005 13 860 99	WSW SAC M1 1,6 mm	WSW SAC M1 solder wire, Ø 1,6 mm, 500 gr.
	T005 13 861 99	WSW SAC M1 1,2 mm	WSW SAC M1 solder wire, Ø 1,2 mm, 500 gr.
	T005 13 862 99	WSW SAC M1 1,0 mm	WSW SAC M1 solder wire, Ø 1,0 mm, 500 gr.
	T005 13 863 99	WSW SAC M1 0,8 mm	WSW SAC M1 solder wire, Ø 0,8 mm, 500 gr.
	T005 13 864 99	WSW SAC M1 0,5 mm	WSW SAC M1 solder wire, Ø 0,5 mm, 500 gr.
	T005 13 866 99	WSW SAC L0 1,6 mm	WSW SAC L0 solder wire, Ø 1,6 mm, 500 gr.
	T005 13 867 99	WSW SAC L0 1,2 mm	WSW SAC L0 solder wire, Ø 1,2 mm, 500 gr.
	T005 13 868 99	WSW SAC L0 1,0 mm	WSW SAC L0 solder wire, Ø 1,0 mm, 500 gr.
	T005 13 869 99	WSW SAC L0 0,8 mm	WSW SAC L0 solder wire, Ø 0,8 mm, 500 gr.
	T005 13 870 99	WSW SAC L0 0,5 mm	WSW SAC L0 solder wire, Ø 0,5 mm, 500 gr.
	T005 44 723 99	XTR A	Soldering tip with twist lock, chisel, 1,6 x 0,7 mm
	T005 44 724 99	XTR B	Soldering tip with twist lock, chisel, 2,4 x 0,8 mm
	T005 44 725 99	XTR C	Soldering tip with twist lock, chisel, 3, 2 x 0, 8 mm
	T005 44 726 99	XTR D	Soldering tip with twist lock, chisel, 4,6 x 0,8 mm
	T005 44 727 99	XTR E	Soldering tip with twist lock, chisel, 5,9 x 1,2 mm
	T005 44 728 99	XTR M	Soldering tip with twist lock, chisel, 3,2 x 1,2 mm
	T005 87 637 30N	HER 120	Heating Element 120 W for Soldering Robot Application with WT 1H/PUD 151R