WT Soldering and Rework

High flexibility for versatile applications



Weller®

An unstoppable lineup...the **WT**.

The best defense. Weller's new WT Line is an unbeatable contingent of compact, stackable soldering stations that are 90 and 150 Watts and feature 1- or 2-channels.
A 900 W hot air station is also included. They are backwards compatible with a phalanx of irons and accessories, giving you a lineup that can face down most hand soldering challenges.

A cleaner, more organized workbench. The space-saving power units have interlocking, reversible safety rests that offer convenient and safe tip storage.

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HIGH FLEXIBILITY FOR VERSATILE APPLICATIONS WT LINE

High performance WT soldering stations

- Up to 150 Watts power
- User friendly, stackable units
- Best in class – attractive price/ performance ratio
- Maximum versatility: backwards compatible with existing soldering tools
- Comprehensive range of accessories
- Featuring the high performance WTP 90 soldering pencil. Innovative and cost-effective with a tip that performs like a cartridge tip



~1000
possible iron/tip combinations per WT station

Backwards compatibility

- All soldering irons of the WSD and WD soldering stations can be connected
- Microsoldering tools can be connected to the WT 2M



WT 1

- 1-channel, 90 W station



WT 1H

- 1-channel, 150 W station
- Powers irons up to 150 W



WT 2M

- 2-channel, 150 W station
- 2 irons can be used simultaneously
- Can connect with micro-pencil WMRP or WMRP-MS and micro-tweezers WMRT or WMRT-MS with active (cartridge) tips

The can-do **WT** soldering stations.

These next generation, small but mighty soldering stations aim to please. They are compact enough to fit in your hand and be stacked on top of each other, but versatile and powerful enough to tackle all kinds of soldering jobs from heavy high mass applications to delicate microsoldering (the WT 2M only). The high performance WTs are available in a one-channel 90 W station, and also with 150 W powering one- and two-channel stations. Only the 2-channel WT 2M supports Weller's line of microtools.



Multifunctional LCD screen

- Detailed overview of all functions
- Adjustable background illumination
- Power bar graph shows power output from the station to the soldering iron tip

Front-mounted power switch

Convenient on/off control

Menu buttons provide intuitive navigation

- Temperature controls
- Password protection
- Standby and auto setback modes



2-in-1 WSR Safety Rest

The soldering iron holder can flip between wet and dry cleaning receptacles





Space-saving, stackable units

The WT soldering stations can be stacked on the WTHA 1 hot air station, or on each other, saving precious workbench space

ESD safe

Can be trusted for professional use

High performance soldering pencil with easy tip change

Similar to a cartridge system, with the WTP 90 you can easily switch out the heating element while the iron is hot, or simply change only the tip.

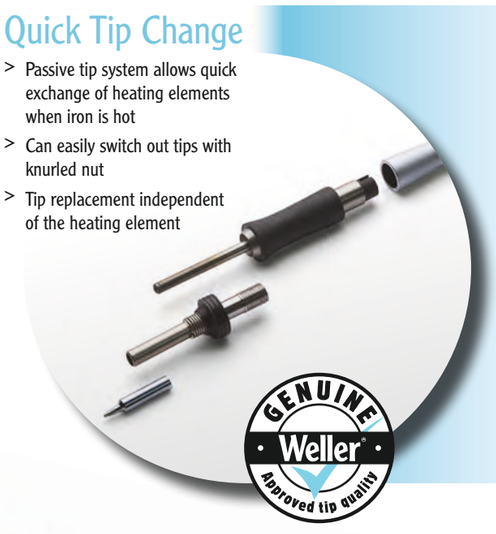
WT Line High performance WTP 90

Hybrid soldering pencil

- High-performance, 90 W Hybrid soldering pencil
- Combination between Micropencil for highest performance with best heat transfer and passive tip pencils with very good heat transfer while controlling costs.
- Quick tip change system similar to active cartridge system
- Automatic standby mode operates from a sensor in the handle which detects when the device is in use

Quick Tip Change

- Passive tip system allows quick exchange of heating elements when iron is hot
- Can easily switch out tips with knurled nut
- Tip replacement independent of the heating element





A safety rest that flips between sponge AND brass wool.



2-in-1 WSR safety rest

The soldering iron holder is reversable, allowing the user to choose between wet and dry tip cleaning.



Safety rests join together

With the removal of the blue side plates, two or more safety rests can be bolted together.



Powering 2 tools at once, the multifunctional **WT** 2M.



Compatible with microtools, and more!

Packing 150 W of power, the multifunctional 2-channel WT 2M soldering station is backwards compatible with Weller's microsoldering cartridge tip tools, plus many existing passive tip tools providing high performance, easy handling, and long tip life.

Passive tip tools

- Supporting a wide range of tools using standard passive tips
- Best in class portfolio to get the right tool for your application
- Providing high performance while controlling the costs

Microsoldering pencil

- Extremely short heat-up time (2 to 6 seconds)
- Optimum heat transfer
- Minimized recovery time
- Quick, easy tip change
- Providing highest performance

Microsoldering and desoldering tweezers

- Feature twin parallel adjustable tiplets which allow the soldering and desoldering of very small SMD components
- When connected to the power unit, the tool is recognized by power unit and assigned the appropriate control parameter. Recalibration is usually unnecessary.

Quick Tip Change

- Active tip (cartridge) system allows quick, convenient change of entire tip when iron is hot
- No extra tools required to facilitate the end user's day to day work.
- 100% toolless – change by hand

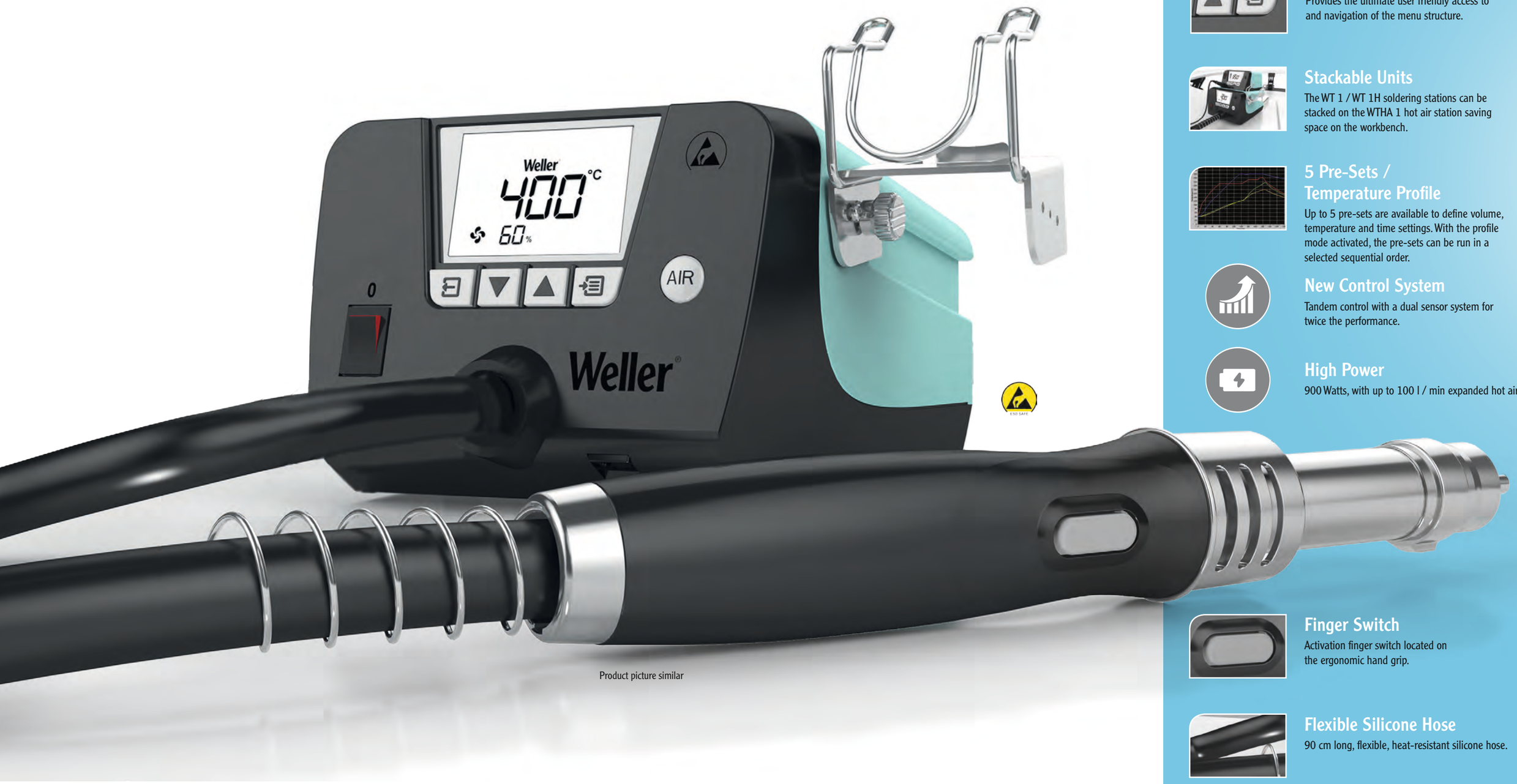


Weller®

weller-tools.com

More than just a lot of hot air, the **WT**HA 1 hot air station

The WTHA 1 is a compact 900 W, easy-operating hot air station with a smart temperature profile mode adjustable for diverse rework applications, assuring fast, safe performance.



Product picture similar

ADVANTAGES AT A GLANCE



Multi-function LCD Screen

Unique LC display with a detailed overview of all functions. Adjustable background illumination. Power bar graph allows visual monitoring of the output power from the station to the hot air pencil.



New Menu Button

Provides the ultimate user friendly access to and navigation of the menu structure.

Stackable Units

The WT 1 / WT 1H soldering stations can be stacked on the WTHA 1 hot air station saving space on the workbench.

5 Pre-Sets / Temperature Profile

Up to 5 pre-sets are available to define volume, temperature and time settings. With the profile mode activated, the pre-sets can be run in a selected sequential order.

New Control System

Tandem control with a dual sensor system for twice the performance.

High Power

900 Watts, with up to 100 l / min expanded hot air.

Finger Switch

Activation finger switch located on the ergonomic hand grip.

Flexible Silicone Hose

90 cm long, flexible, heat-resistant silicone hose.

WT TOOL SELECTION
AND COMPATIBILITY MATRIX



WTHA 1
900 W | 1 channel.
Hot air iron integrated

*With WT HUB
**With WX HUB

Active Tip | Power Response | Silver Line

	90 W	150W	
	 WT 1 Soldering station, 1 channel	 WT 1H Soldering station, 1 channel	 WT 2M Soldering station, 2 channels
WMRT/WMRT-MS | 2 X 40 W MICROSOLDERING TWEEZERS Slim, cartridge tip tweezers. Ideal for soldering and desoldering of very small SMD components. WMRT Order no.T005 13 174 99N WMRT-MS Order no.T005 29 192 99N			✔
WMRP/WMRP-MS | 55 W MICROSOLDERING PENCILS Fine microsoldering pencil with cartridge tip for microscope work. WMRP Order no.T005 29 171 99N WMRP-MS Order no.T005 13 175 99N			✔
WTP 90 | 90 W HYBRID SOLDERING IRON The high-tech iron for universal use with power response tips. Order no.T005 29 222 99N	✔	✔	✔
WP 65 | 65 W SOLDERING IRON For delicate and small applications. Order no.T005 29 215 99N	✔	✔	✔
WP 80 | 80 W SOLDERING IRON Short tip-to-grip distance for all standard soldering applications. Order no.T005 29 180 99N	✔	✔	✔
WSP 80 | 80 W SOLDERING IRON For all standard soldering applications. Order no.T005 29 180 99N	✔	✔	✔
WP 120 | 120 W SOLDERING IRON For bigger solder joints. Order no.T005 29 193 99N		✔	✔
WSP 150 | 150 W SOLDERING IRON Order no.T005 29 170 99N		✔	✔
WP 200 | 200 W SOLDERING IRON For heavy solder applications. Order no.T005 29 199 99N		✔	✔
WTA 50 | 2 x 25 W DESOLDERING TWEEZERS 2 x 25 W, for safe desoldering jobs. Order no.T005 13 171 99N	✔	✔	✔
FE 75 | 75 W SOLDERING IRON For tip extraction. Order no.T005 29 166 99N	✔	✔	✔
WHP 80 | 80 W HEATING PLATE Preheating plate. Order no.T005 27 028 99N	✔	✔	✔
WSB 80 | 80 W SOLDER BATH Connectable to all Weller 80 W digital station. Order no.T005 27 040 99N	✔	✔	✔
WSB 150 | 150 W SOLDER BATH Connectable to all Weller 150 W stations. Order no.T005 27 704 99N		✔	✔
ZERO SMOG® TL* Fume extraction unit for volume extraction for up to 2 workplaces. Order no. FT91013699N	✔	✔	✔
ZERO SMOG® 4V** Fume extraction unit for volume extraction for up to 4 workplaces. Order no.T005 36 606 99N	✔	✔	✔
ZERO SMOG® 6V** Fume extraction unit for volume extraction for up to 6 workplaces. Order no.T005 36 666 99N	✔	✔	✔
ZERO SMOG® 20T** Fume extraction unit for tip extraction, connectable for up to 20 workplaces. Order no. T005 36 706 99N	✔	✔	✔

WT Stations, Irons and Sets



WT 1 Soldering Station

1-Channel Power Unit, 90 W



WT 1H Soldering Station

1-Channel Power Unit, 150 W



WT 2M Soldering Station

2-Channel Power Unit, 150 W



WTHA 1 Hot Air Station

Hot Air Station, 900 W with integrated hot air iron



WT 1010 Set

XNT A

1-Channel Power Unit, 90 W with WTP 90 hybrid soldering iron (90 W / 24 V), soldering tip XNT A and WSR 200 safety rest



WT 1012 Set

LT B

1-Channel Power Unit, 90 W with WSP 80 soldering iron, soldering tip LT B and WSR 201 safety rest



WT 1013 Set

LT B

WT 1 power unit with WP 80 soldering iron (80W / 24V), soldering tip LT B and WSR 201 safety rest



WT 1014 Set

LT B

1-Channel Power Unit, 90 W with WSP 80ROB soldering iron (80W / 24V), soldering tip LT B and WSR 201 safety rest



WT 1010H Set

XT B

1-Channel Power Unit, 150 W with WP 120 soldering iron (120 W / 24 V), soldering tip XT B and WSR 201 safety rest



WT 1011H Set

XHT D

1-Channel Power Unit, 150 W with WP 200 soldering iron (200 W / 24 V), soldering tip XT B and WSR 202 safety rest



WT 2010M

XNT

2-Channel Power Unit, 150 W with WTP 90 hybrid iron and safety rest



WT 2020M

RTW, RTW-MS

2-Channel Power Unit, 150 W with WMRP mircro soldering iron and WMRT micro desoldering tweezers and safety rests

Active Tip Power Response Silver Line



WMRP microsoldering pencil with RT 3 tip and WDH 50 safety rest

RT

Fine slim soldering iron. Ideal for microscope work.
High performance by integrated active soldering tip
40 W | 12 V Tip family RT



WMRT microdesoldering tweezers with RTW 2 tip and safety rest WMRTH

RTW

Slim tweezers. Ideal for soldering and desoldering of
very small SMD components. Tip family RTW
80 W (2 x 40 W) | 12 V Tip family RTW



WMRP-MS microsoldering pencil with RT3 MS tip and WDH 50 safety rest

RT-MS

Fine slim soldering iron. Ideal for microscope work.
High performance by integrated active soldering tip
40 W | 12 V | Tip family RT-MS according to MIL-STD-2000



WMRT-MS microdesoldering tweezers with RTW2 MS tip and safety rest WMRTH

RTW-MS

Slim tweezers. Ideal for soldering and desoldering of
very small SMD components.
80 W (2 x 40 W) | 12 V Tip family RTW-MS according to MIL-STD-2000



WTP 90 hybrid soldering iron set with XNT tip and WSR 200 safety rest

XNT

The high-tech iron for universal use with power response tips.
90 W | 24V | Max. temperature 450 °C / 850 °F | Tip family XNT



WP 65 soldering iron set with XNT A tip and WDH 10 safety rest

XNT A

Small, fast soldering iron. Suitable for fine soldering jobs with
a high heat demand.
65 W | 24 V | Max. temperature 450 °C / 850 °F | Tip family XNT



WP 80 soldering iron set with LT B tip and WDH 10 safety rest

LT B

Soldering iron for all standard applications with short tip-to-grip design.
Comfortable safety rest with 4-step varying inclination.
80 W | 24v | Max. temperature 450 °C / 850 °F | Tip family LT



WSP 80 soldering iron set with LT B tip and KH 18 safety rest

LT

For all standard soldering applications.
80 W | 24 V | Max. temperature 450 °C / 850 °F
Tip family LT



WP 120 soldering iron set with XT B tip and WDH 10 safety rest

XT B

Versatile 120 W iron for demanding applications. Can use on small and large components within applications with a higher heat demand.
120 W | 24 V | Max. temperature 450 °C / 850 °F
Tip family XT



WSP 150 soldering iron set with LHT F tip and WDH 30 safety rest

LHT F

For jobs with extremely high heat requirements
and large heat sinks.
150 W | 24 V | Max. temperature 450 °C / 850 °F
Tip family LHT



WP 200 soldering iron set with XHT D tip and WDH 31 safety rest

XHT D

Heavy power soldering iron. Ideal for those applications with the highest heat demands e.g, LED backpanels or HF shieldings.
200 W | 24 V | Max. temperature 450 °C / 850 °F
Tip family XHT



WTA 50 desoldering tweezers set with WTA 1 tip and AK 51 safety rest

WTA

For safe desoldering jobs.
2 x 25 W | 24 V | Max. temperature 450 °C / 850 °F



FE 75 integrated fume extraction iron set with LT B tip and safety rest

LT B

Fume extraction soldering pencil. Two-in-one soldering
and tip extraction. Includes a 5 mm brush.
75 W | 24 V | Max. temperature 450 °C / 850 °F
Tip family LT

Active Tip Power Response Silver Line

WT compatible fume extraction units



Zero Smog® TL

Portable fume extraction unit, easy to install and operate. Small, economical central system for 2 workplaces.



Zero Smog® 4V

Mobile fume extraction unit for large areas, with built-in turbine and pressure regulator for constant volume flow.
Up to 4 work places.



Zero Smog® 6V

Mobile fume extraction for large areas, with a built-in turbine.
Up to 6 work places.



Zero Smog® 20T

Mobile tip extraction unit. Up to 20 Weller fume extraction soldering irons can be connected directly to the fume extraction unit.



WFE P

The WFEP is a line voltage tip extraction unit designed to run with one or two FE (Fume Extraction) soldering irons.

WT peripheral heating plates



WHP 80

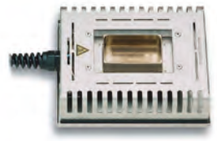
Heating plate with heating surface 80 x 50 mm, temperature range 50 °C – 200 °C

WT compatible soldering bath



Peripheral Solder Bath WSB 80

Solder bath, 80 W, Inside diameter 20 mm, depth 25 mm, temperature range 50 °C – 450 °C, for lead-free solder



WSB 150

Solder Bath, 150 W, 50 °C – 550 °C, for lead-free solder

WT and WX Hub connectors for Zero Smog® units



WT Hub

To connect the Zero Smog® TL unit



WX Hub

To connect the Zero Smog® 4V, 6V and 20T units

How do I begin to build my Weller workbench?



1 **Choose your component size and solder tip.**
Choose from micro-solder joints between 0.2 mm up to extra large solder joints for high mass soldering.

2 **Choose the energy level you will need to solder your board.**
Choose the energy requirements between medium and high.

3 **Choose your soldering tool, then your soldering station, based on our recommendations.**
When you find the correct tool for your application, it is easy to select the appropriate station.



Try our interactive tool selector on weller.de

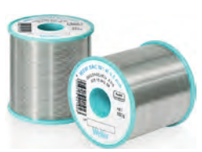
Weller tool selector



Weller owning the bench

Choose from a wide range of Weller tools to complete your workbench

Solder Wire



Select the WSW-cored solder wire which offers revolutionary wetting properties at lower temperatures.

Fume Extraction



The correct Zero Smog® fume extraction unit protects your health and the health of your employees.

Precision Tools



Do you already know our hand-crafted Weller Erem precision tools made in Switzerland?

Also have a look at screwdrivers and tool sets from Weller Xcelite.

The user-friendly **WT** Line

They were made for each other. Weller's compact, user-friendly suite of WT Line soldering and rework products all fit together nicely to give you the space you crave on your workbench.

Stackable, smart power units. Interlocking, reversible safety rests. Convenient and safe tip storage. A sleek 90 Watts pencil. Microsoldering capacity. Backwards compatibility affording you over 1,000 tip / tool combinations.

Technical Data		WT 1	WT 1H	WT 2M	WTHA 1
Dimensions	L x W x H	150 x 130 x 101 mm 5.91 x 5.12 x 3.98 in			210 x 160 x 125 mm 8.30 x 6.30 x 4.90 in
Fuse	230V (mA) 120V (A)	T500 T1	T800 T1,6	T0,8 T1,6	T4 A T8 A
Weight		1.9 kg	1.9 kg	2,92 kg	3.0 kg
Mains supply		230V / 50 Hz, 120V / 60 Hz			
Power consumption		90W	150 W		900 W
Safety class		I. Antistatic housing III. Soldering tool			I. Antistatic housing
ESD safe		Yes			
Temperature range l/min 5 - 60 (expanded hot air) l/min 100		50 °C – 450 °C / 550 °C 150 °F – 850 °F / 950 °F			50 °C – 600 °C 120 °F – 1100 °F
Temperature accuracy		± 9 °C / ± 17 °F			± 30 °C / ± 54 °F
Temperature stability		± 2 °C / ± 4 °F			
Air flow		–			100 l (expanded hot air)







Also offering an extensive selection in professional filtration and Weller® Erem® and Weller® Xcelite® precision tools

Weller®

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