

[Weller Technology Line]

# GENERATION WT

The next level of hand soldering and hot air rework.



**Weller**<sup>®</sup>

# WT series

[WellerTechnology Line]

Weller just got user-friendlier.



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Technical Data	WT1	WT1H	WTHA1
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 120 V (A)	T1	T1.6	T8 A
Weight	2.7 kg / 6.0 lbs	3.8 kg / 8.4 lbs	3.0 kg / 6.6 lbs
Power supply	120 V / 60 Hz		
Power	90 W (95 W)	150 W	900 W
ESD safe	Yes	Yes	Yes
Temperature range (Tool dependent)	50 °C – 450 °C / 550 °C 150 °F – 850 °F / 950 °F		50 °C – 600 °C 120 °F – 1100 °F
Air flow (expanded hot air)	N/A		l / min 5 – 100
Temperature accuracy	± 9 °C / ± 17 °F		± 30 °C / ± 54 °F

## New stations, new safety rest, new pencil, new tips!

We've packed tons of user-friendly features into the new WT soldering and hot air stations, so our R&D team had to design a compatible **new soldering tool with new high-mass tips** that can take on the challenges of applications with large thermal mass.

And no worries! The WT series stations and pencil are **backwards compatible** with many existing tips and accessories.

[90 W] [150 W]  
**WT1 AND WT1H**

## The can-do soldering stations.

These next generation, single channel soldering stations aim to please. Conserve valuable workspace with our new, user-friendly, stackable soldering units. The detailed LCD screen enables an unprecedented overview of all functions, quick and easy to reach via the new user-friendly menu button.

If you need even more performance than 90 W, then the smart solution is the higher-powered WT1H, at 150 W.



Announcing the NEW high-performance WTP90 soldering pencil, complimented by its new high-mass THM tips.



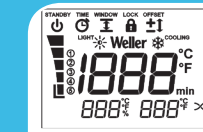
Product picture similar

### ADVANTAGES AT A GLANCE



#### Front Panel Power Switch

The front-mounted power switch ensures easy access at all times.



#### Multi-functional LCD Screen

Unique LCD screen with a detailed overview of all functions. Adjustable background illumination. Power bar graph allows visual monitoring of the easily-readable output power from the station to the soldering pencil tip.



#### New Menu Button

Provides simple, user-friendly access and navigation of the menu features.



#### New Soldering Pencil

The new, high-performance WTP90 soldering pencil features a system to quickly and easily switch out the heating element or the tip while the iron is hot.



#### 2-in-1 WSR Safety Rest

The unique, reversable WSR safety rest flips between sponge and brass wool.



#### Stackable Units

The WT soldering stations can be stacked on the WTHA1 hot air station, or on each other, saving space on the workbench.



#### High Performance

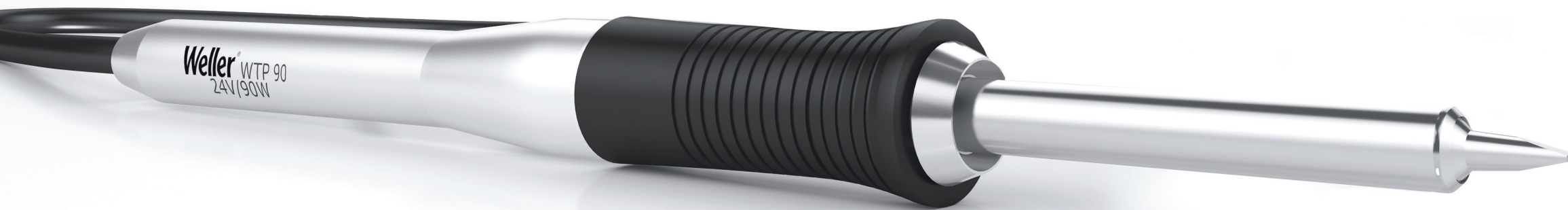
The WT soldering stations are available in two designs: 90 W and 150 W power units.



#### Backwards Compatible

A large selection of existing Weller pencils are compatible with the Weller WT soldering systems; see pages 10–11 for compatibility chart.

# WT series product highlights...



Product picture similar

## The WTP90 soldering pencil

- > Quick tip / heater change design
- > Integral accelerometer in the handle detects use and signals the activation of the Standby and Auto Off modes when the tool is resting
- > The new THM series high thermal mass soldering tips offer more efficient heat transfer in high mass soldering applications
- > Uses standard XNT tip family and is compatible with optional new THM series tips



## Your workspace has never been more versatile, functional AND orderly.

- > The WT1 soldering and WT1H soldering stations can be stacked on the WTHA1 hot air station, or on each other, saving space on the workbench.
- > Includes flat, heat-resistant silicon pad to place tips and other items

A unique safety rest that flips between sponge AND brass wool.



## ADVANTAGES AT A GLANCE



### Quick Change System

- > Passive tip system allows quick exchange of heating elements when iron is heated (port/channel must be turned "Off")
- > Can easily switch out tips
- > Tip replacement can be performed independent of the heating element



### 2-in-1 WSR Safety Rest

- > Reversible soldering pencil holder
- > Optional choice of wet or dry tip cleaning



### Safety Rests Connect Together

- > Removable side plates allow the WSR Weller Safety Rests (WSR) to be joined at the base to create a stable, multiple tool stand configuration, conserving valuable workspace.

[900W]  
**WTHA1**

## More than just a lot of hot air.

900 W power, compact, easy-operating station with a smart temperature profile mode adjustable for diverse rework applications, assuring fast, safe performance. Up to 100 l / min expanded hot air.



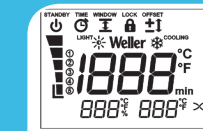
Product picture similar

## ADVANTAGES AT A GLANCE



### Front Panel Power Switch

The front-mounted power switch ensures easy access at all times.



### Multi-function LCD Screen

LCD screen offers 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 tool.



### Quick Access Menu Button

Provides simple, user-friendly access and navigation of the menu features.



### Stackable Units

The WT1 / WT1H soldering stations can be stacked on the WTHA1 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 operated in a selected sequential order.



### New Control System

Tandem control with a dual sensor system for optimum performance.



### Hot air activation button

Finger-activated switch conveniently located on the ergonomic hand grip.



### Flexible Silicone Hose

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

# TECHNOLOGY LINE TOOL SELECTION AND COMPATIBILITY MATRIX



90 W  
WT1 Soldering Station

150W  
WT1H Soldering Station

Power Response Silver Line

## WTP90 | 90 W SOLDERING PENCIL

The high-tech pencil for universal use with power response tips. Order no.T0052922299N



## WP65 | 65 W SOLDERING PENCIL

Suitable for fine soldering applications. Order no.T0052921599N



## WP80 | 80 W SOLDERING PENCIL

Soldering pencil for standard applications with short tip-to-grip design. Order no.T0052918099N



## WSP80 | 80 W SOLDERING PENCIL

For standard soldering applications. Order no.WSP80N



## WP120 | 120 W SOLDERING PENCIL

Versatile 120 W pencil for demanding applications. Suitable for use on small and large applications with a higher heat demand. Order no.T0052919399N



## WSP150 | 150 W SOLDERING PENCIL

For applications with extremely high heat requirements and large heat sinks. Order no.T0052917099N



## WP200 | 200 W SOLDERING PENCIL

High power soldering pencil. Ideal for those applications with the highest heat demands. Order no.T0052919999N



## WTA50 | 2 x 25 W DESOLDERING TWEEZERS

2 x 25 W, for safe desoldering jobs. Order no.T0051317199N



## FE75 | 75 W SOLDERING PENCIL

Integrated fume extraction pencil. Order no.T0052916699N



## WHP80 | 80 W HEATING PLATE

Heating plate with heating surface 80 x 50 mm, temperature range 50 °C – 200 °C (150 °F – 400 °F). Order no.T0052702899N



## WSB80 | 80 W SOLDER BATH

Solder bath for lead-free solder, 80 W, inside diameter 20 mm, depth 25 mm, temperature range 50 °C – 450 °C (150 °F – 850 °F). Order no.T0052704099N



## WSB150 | 150 W SOLDER BATH

Solder bath, 150 W, 50 °C – 550 °C (150 °F – 999 °F), for lead-free solder. Order no.T0052704299N





**WT1 Soldering station**

120 V, 90 W Power unit

Order no.  
WT1N



**WT1H Soldering station**

120 V, 150 W Power unit

Order no.  
WT1HN



**WTHA1 Hot air station**

120 V, 900 W Hot air station with integrated hot air pencil

Order no.  
WTHA1N

**WTP90 Soldering pencil**

90 W Soldering pencil. With XNT tip.  
For high performance, order THM high mass tips

THM, XNT   
Order no.  
T0052922299N



**WT1010 Set**

WT1 power unit with WTP90 soldering pencil  
(90 W / 24 V), soldering tip XNT and WSR200 safety rest

THM, XNT   
Order no.  
WT1010N



**WT1011 Set**

WT1 power unit with WP65 soldering pencil  
(65 W / 24 V), soldering tip XNT A and WSR201 safety rest

XNT   
Order no.  
WT1011N



**WT1012 Set**

WT1 power unit with WSP80 soldering pencil  
(80 W / 24 V), soldering tip LT B and WSR201 safety rest

LT   
Order no.  
WT1012N



**WT1013 Set**

WT1 power unit with WP80 soldering pencil (80 W / 24 V),  
soldering tip LT B and WSR201 safety rest

LT   
Order no.  
WT1013N



**WT1010H Set**

WT1H power unit with WP120 soldering pencil  
(120 W / 24 V), soldering tip XT B and  
WSR201 safety rest

XT   
Order no.  
WT1010HN



**WT1011H Set**

WT1H power unit with WP200 soldering pencil  
(\*200 W / 24 V), soldering tip XHT D and  
WSR202 safety rest

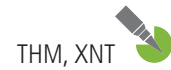
XHT   
Order no.  
WT1011HN

\* Maximum power limited to 150 Watts.



**WTP90 soldering pencil set with XNT tip and WSR200 safety rest**

The high-tech pencil for universal use with power response tips.  
90W | 24V | Max. temperature 450 °C / 850 °F  
Tip family XNT & THM (high thermal mass tips)



Order no.  
T0052922399N



**WSP150 soldering pencil set with LHT F tip and WDH30 safety rest**

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



Order no.  
T0052918999N



**WP65 soldering pencil set with XNT A tip and WDH10 safety rest**

Suitable for fine soldering jobs applications.  
65 W | 24 V | Max. temperature 450 °C / 850 °F  
Tip family XNT



Order no.  
T0052921699N



**WP200 soldering pencil set with XHT D tip and WDH31 safety rest**

High power soldering pencil. 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



Order no.  
T0052920099N

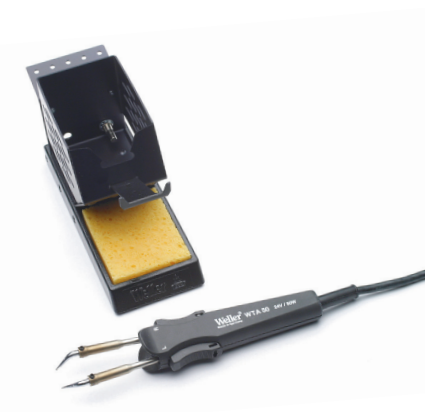


**WP80 soldering pencil set with LT B tip and WDH10 safety rest**

Soldering pencil 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



Order no.  
T0052918199N

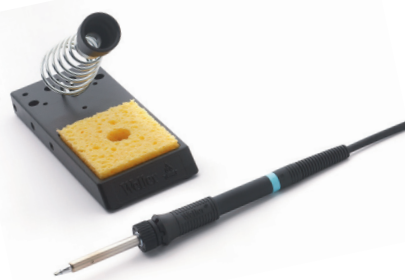


**WTA50 desoldering tweezers set with WTA1 tip and AK51 safety rest**

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



Order no.  
T0053313399N



**WSP80 soldering pencil set with LT B tip and KH18 safety rest**

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



Order no.  
T0053312599N



**WP120 soldering pencil set with XT B tip and WDH10 safety rest**

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



Order no.  
T0052919499N



**FE75 integrated fume extraction iron set with LT B tip and safety rest**

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



Order no.  
T0053315199N



## Safety Rests



### WSR200 Safety Rest

for WTP90  
Order no. T0051517499N



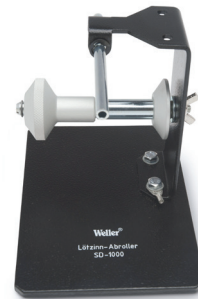
### WSR202 Safety Rest

for WSP150 / WP200  
Order no. T0051517699N



### WSR201 Safety Rest

WSP80 / WP65 / WP80 / WP120  
Order no. T0051517599N



### SD1000 Solder Spool Dispenser

Holds 1 pound solder spool  
(solder not included)  
Order no. T0051301799N

ABW2 extension for additional reel  
Order no. T0051301399N

## Accessories

### WSRF200 Funnel Replacement

for WSR200 / WDH51  
Order no. T0058768727N

### WSRF201 Funnel Replacement

for WSR201  
Order no. T0058768728N

### WSRF202 Funnel Replacement

for WSR202 / WDH31  
Order no. T0058768729N

### Barrel / Tip Retainer for WTP90

Order no. T0058768724N

### Replacement heating element

for WTP90  
Order no. T0058768725N



### WSRH1 LT Tip Mounting and Storage Plate

Order no. T0058768732N



### WSRH2 XNT Tip Mounting and Storage Plate

Order no. T0058768731N



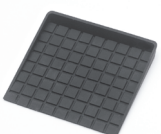
### WSRH3 XHT Tip Mounting and Storage Plate

Order no. T0058768733N



### Silicon Pad Replacement

for WT1 / WT1H  
Order no. T0058768734N



Weller®



## Need tips?

Only Weller supplies three different heating and tip technologies to ensure customers always have the absolute best tool for their specific application. Weller's proven technology enables users to finally tackle those difficult or near impossible hand soldering applications.

## WT Tips

Power Response



Non-cartridge tips for small to high thermal mass applications

Silver Line

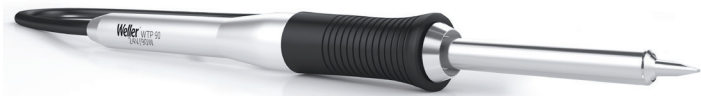


Low thermal mass tips for universal SMD and THT applications

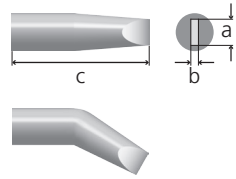


To shop our full line of tips,  
please visit our website at  
[weller-toolsus.com](http://weller-toolsus.com)

# Soldering tips for the WTP90 soldering pencil



## Chisel

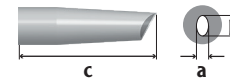


THM	Ø a mm	c mm	Order number
THM A	1.6	0.4	T0054490499N
THM B	2.4	0.8	T0054490599N
THM C	3.2	0.8	T0054490699N
THM D	4.0	0.8	T0054490799N

Introducing the new THM family, high mass tips for high performance applications.

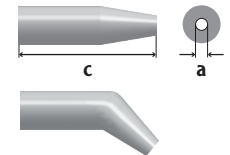
The standard XNT tip family is also compatible.

## Gull wing



XNT	b mm	c mm	Order no.
XNT GW 1	2.0	33.0	T0054485499
XNT GW 2	1.5	27.5	T0054488099

## Conical



XNT	Ø a mm	c mm	Order no.
XNT 1S	0.2	28.5	T0054485299
XNT 1LX	0.2	36.5	T0054487299

Type	Ø a mm	c mm	Order no.
XNT 1X	0.4	28.0	T0054486599
XNT 1SLX 45°	0.4	39.5	T0054487599

## SMT\*

XNT	Ø a mm	b mm	c mm	Order no.
XNT SMT 01*	10.4	0.6	7.1	T0054487699N
XNT SMT 02*	16.8	0.6	7.1	T0054487799N

Type	Ø a mm	b mm	c mm	Order no.
XNT SMT 03*	20.8	0.6	7.1	T0054487899N

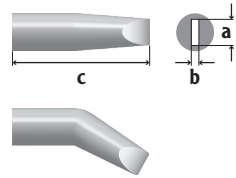
\* SMT Blade tips for WP65 only.

## Accessories

XNT	Ø a mm	c mm	Order no.
Measuring tip			K1131
XNT Screw M4		26.0	T0054487999

Type	Order no.
Barrel	T0058765758
Barrel for WP65 bent tips	T0058765767

## Chisel



XNT	Ø a mm	b mm	c mm	Order no.
XNT 1SCNW*	0.3	0.1	27.0	T0054488199
XNT 1SC	0.4	0.15	27.0	T0054486299
XNT H	0.8	0.4	28.0	T0054485999
XNT K	1.2	0.4	28.0	T0054486099
XNT A	1.6	0.4	28.0	T0054485199
XNT 6	1.6	0.4	29.5	T0054485699
XNT B	2.4	0.8	27.0	T0054485799

Type	Ø a mm	b mm	c mm	Order no.
XNT C	3.2	0.8	27.0	T0054485899
XNT D	4.0	0.8	28.0	T0054485399
XNT HX 45°	0.8	0.4	36.5	T0054487399
XNT 4X 45°	1.2	0.4	34.6	T0054487499
XNT AX	1.6	0.8	28.0	T0054486499
XNT BX	2.4	0.8	36.5	T0054488299
XNT MX	3.2	0.8	37.5	T0054488399

## Sloped



XNT	a mm	Order no.
XNT 4	1.2	T0054485599
XNT AA 45°	1.6	T0054488499
XNT BB 45°	2.4	T0054488599

Type	a mm	Order no.
XNT CC 45°	3.2	T0054488699
XNT F 45°	1.2	T0054488799

## Conical

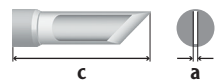


XNT	Ø a mm	c mm	Order no.
XNT 1	0.5	27.0	T0054485099

Type	Ø a mm	c mm	Order no.
XNT S	0.4	37.5	T0054486899

\* Non-wettable

## Knife



XNT	Ø a mm	c mm	Order no.
XNT KN	2.0	33.0	T0054486399



The TNA nozzle adapter also makes this tool backwards compatible with the Weller WHA series nozzles.

## NEW Nozzles for the WTHA1 hot air pencil

### Round

Type	Ø a mm	c mm	Order no.
TNR 25	2.5		T0058768742N
TNR 40	4.0		T0058768743N
TNR 70	7.0		T0058768744N
TNRB 17 X 45°	1.7		T0058768745N

Type	Ø a mm	c mm	Order no.
TNRB 60 X 45°	6.0		T0058768746N
TNA NOZZLE ADAPTER			T0058768747N
SILICON PAD			T0058768762N

**WT connectible fume extraction units\***



**Zero Smog® EL**

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

Order no.  
ZEROSMOGELN



**Zero Smog® TL**

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

Order no.  
ZEROSMOGTLN



**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.

Order no.  
T0053660299N



**Zero Smog® 6V**

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

Order no.  
T0053666299N

**WT hub connector for Zero Smog® units**



**WT Hub**

To connect the Zero Smog® EL and TL units to one or two WT stations

Order no.  
T0058768767N

**WT compatible heating plates**

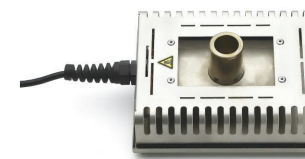


**WHP80**

Heating plate with heating surface 80 x 50 mm, temperature range 50 °C – 200 °C (150 °F – 400 °F)

Order no.  
T0052702899N

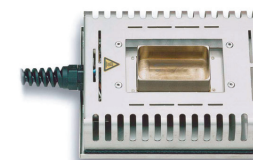
**WT compatible soldering baths**



**WSB80**

Solder bath for lead-free solder, 80 W, inside diameter 20 mm, depth 25 mm, temperature range 50 °C – 450 °C (150 °F – 850 °F)

Order no.  
T0052704099N



**WSB150**

Solder bath for lead-free solder, 150 W, temperature range 50 °C – 550 °C (150 °F – 999 °F)

Order no.  
T0052704299N

\* For more information and to view our entire line of fume extraction equipment, please order our Weller FT fume extraction brochure (T550943), also available online in our Literature section.

# How do I expand my Weller® workbench?



Solder spool dispenser:

- Minimizes core solder usage
- Eliminates operator downtime by providing continuous solder wire
- Holds 1 pound solder spool (solder not included)

Erem® precision cutters, pliers and tweezers are an indispensable component to any Weller configuration.

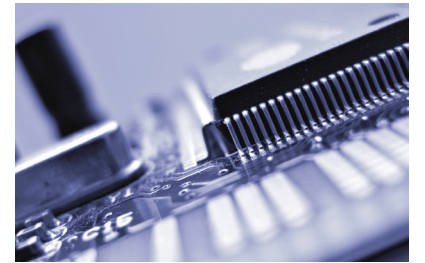
Zero Smog® fume extraction units protect your health and the health of your employees.

# How do I select my Weller® soldering system?

**1** Choose your solder tip based on component type and size.



**2** Choose the energy level required for soldering.



**3** Choose your soldering tool.



**4** Choose the soldering station compatible with your soldering tool.

**5** Request a free demo at your facility! Visit [weller-toolsus.com](http://weller-toolsus.com) for more information.



**We're here to help!**

**1- (866) 498-0484**  
**weller-na@weller-tools.com**  
**weller-toolsus.com**

**Weller<sup>®</sup>**