

[WellerTechnology Line]

# GENERATION WT

The next level of hand soldering and hot air rework.



**Weller**<sup>®</sup>

## Weller just got user-friendlier.

We've packed tons of user-friendly features into the new WT soldering stations, so our R&D team just had to make a compatible new soldering tool that is simply the best.

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# [90 W] WT 1 AND [150 W] WT 1H

## The can-do soldering stations.

These next-generation, one-channel soldering stations aim to please. The detailed LC display enables an unprecedented overview of all functions, quick and easy to reach via the new user-friendly menu button. The lightning-quick change process of the heating element during operation allows efficient working with several different tip types in quick succession.

If you need even more performance than 90 W, then the smart solution is the higher-powered WT 1H, at 150 W.



Introducing the high-performance WTP 90 soldering pencil

### ADVANTAGES AT A GLANCE



#### Front-mounted Mains Switch

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



#### Multi-functional LC Display

Unique LC display 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 iron tip.



#### New Menu Button

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



#### New Soldering Pencil

The new, high-performance WTP 90 soldering pencil features a system to quickly and easily switch out the heating element while the iron is hot, or simply change the tip.



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

The soldering iron holder can be rotated through 180°. The user can choose between wet and dry cleaning.



#### Stackable Units

The WT 1 / WT 1H soldering stations can be stacked on the WTHA 1 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 with 1 channel.



#### Backwards Compatibility

All soldering irons of the WSD and WD soldering stations can be connected. (Except micro soldering irons)

# WT useability highlights...



## The WTP 90 soldering pencil

- > New, high-performance, 90 W soldering iron
- > Quick change system
- > Automatic standby mode operates from a sensor in the handle which detects when the device is in use
- > Optional: new high-mass soldering tips for maximum performance!  
More efficient heat transfer, smoother operation



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

- > The WT 1 soldering and WT 1H soldering stations can be stacked on the WTHA 1 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 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 hot
- > Can easily switch out tips
- > Tip replacement independent of the heating element



### 2-in-1 WSR Safety Rest

The soldering iron holder can be rotated through 180°. The user can 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.

# [900W] WTHA 1

## More than just a lot of hot air.

One compact, easy-operating 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.



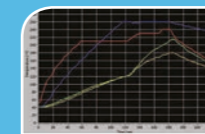
### New Menu Button

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.

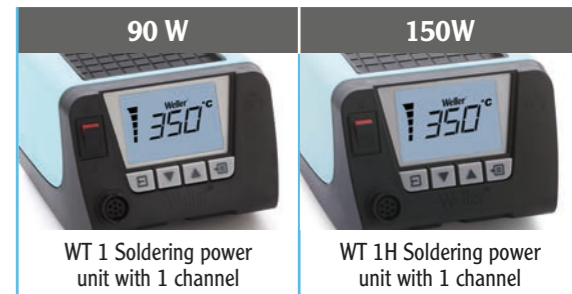


### Flexible Silicone Hose

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

# TECHNOLOGY LINE TOOL SELECTION AND COMPATIBILITY MATRIX

Power Response  Silver Line 



90 W  
WT 1 Soldering power unit with 1 channel

150W  
WT 1H Soldering power unit with 1 channel

## WTP 90 | 90 W SOLDERING IRON

The high-tech iron for universal use with power response tips. Order no.T005 29 222 99



## WP 65 | 65 W SOLDERING IRON

For delicate and small applications. Order no.T005 29 215 99



## WP 80 | 80 W SOLDERING IRON

Short tip-to-grip distance for all standard soldering applications. Order no.T005 29 180 99



## WSP 80 | 80 W SOLDERING IRON

For all standard soldering applications. Order no.T005 29 180 99



## WP 120 | 120 W SOLDERING IRON

For bigger solder joints. Order no.T005 29 193 99



## WSP 150 | 150 W SOLDERING IRON

Order no.T005 29 170 99



## WP 200 | 200 W SOLDERING IRON

For heavy solder applications. Order no.T005 29 199 99



## WTA 50 | 2 x 25 W DESOLDERING TWEEZERS

2 x 25 W, for safe desoldering jobs. Order no.T005 13 171 99



## FE 75 | 75 W SOLDERING IRON

For tip extraction. Order no.T005 29 166 99



## WHP 80 | 80 W HEATING PLATE

Preheating plate. Order no.T005 27 028 99



## WSB 80 | 80 W SOLDER BATH

Connectable to all Weller 80 W digital station. Order no.T005 27 040 99



## WSB 150 | 150 W SOLDER BATH

Connectable to all Weller 150 W stations. Order no.T005 27 704 99



## ZERO SMOG® TL\*

Fume extraction unit for volume extraction for up to 2 workplaces. Order no. FT91013699



## ZERO SMOG® 4V\*\*

Fume extraction unit for volume extraction for up to 4 workplaces. Order no.T005 36 606 99



## ZERO SMOG® 6V\*\*

Fume extraction unit for volume extraction for up to 6 workplaces. Order no.T005 36 666 99



## ZERO SMOG® 20T\*\*

Fume extraction unit for tip extraction, connectable for up to 20 workplaces. Order no. T005 36 706 99



### WTHA1

900 W | 1 channel. Hot air iron integrated

\*With WT HUB  
\*\*With WX HUB



## WT 1 Soldering Station

90 W Power unit

Order no. 230 V  
T005 34 346 99



## WT 1H Soldering Station

150 W Power unit

Order no. 230 V  
T005 34 356 99



## WTHA 1 Hot Air Station


900 W Hot air station with integrated hot air iron

Order no. 230 V  
T005 31 736 99



## WTP 90 Soldering Iron


90 W Soldering iron. Standard tip family XNT. For high performance, use THM high mass tips

THM, XNT   
Order no.  
T005 29 222 99



## WTP 90 Soldering iron set with tip and safety rest


Ideal for soldering jobs which requires the performance of a cartridge tip. THM tip | WSR 200 safety rest 90 W | 24 V | Max. temperature 450 °C

THM, XNT   
Order no.  
T005 29 223 99



## WT 1010 Set


WT 1 power unit with WTP 90 soldering iron (90 W / 24 V), soldering tip XNT B and WSR 200 safety rest

XNT B   
Order no. 230 V  
T005 34 366 99



## WT 1012 Set


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

LT B   
Order no. 230 V  
T005 34 406 99



## WT 1013 Set


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

LT B   
Order no. 230 V  
T005 34 416 99



## WT 1014 Set


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

LT B   
Order no. 230 V  
T005 34 426 99



## WT 1010H Set


WT 1H power unit with WP 120 soldering iron (120 W / 24 V), soldering tip XT B and WSR 201 safety rest

XT B   
Order no. 230 V  
T005 34 386 99



## WT 1011H Set

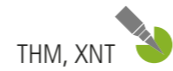
WT 1H power unit with WP 200 soldering iron (200 W / 24 V), soldering tip XT B and WSR 202 safety rest

XHT D   
Order no. 230 V  
T005 34 396 99



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

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



Order no. T005 29 223 99



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

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



Order no. T005 29 189 99



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

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



Order no. T005 29 216 99



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

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



Order no. T005 29 200 99



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

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



Order no. T005 29 181 99

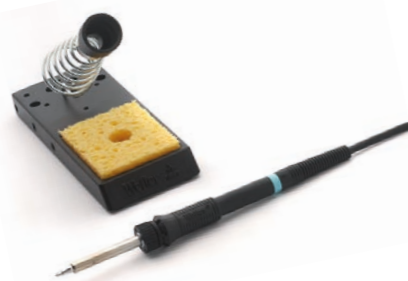


WTA 50 desoldering tweezers set with WTA 1 tip and AK 51 safety rest

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



Order no. T005 33 133 99



WSP 80 soldering iron set with LT B tip and WSR 201 safety rest

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



Order no. T005 33 125 99



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

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



Order no. T005 29 194 99



FE 75 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. 75W | 24V | Max. temperature 450 °C / 850 °F  
Tip family LT



Order no. T005 33 151 99



# The WT station lineup



WSR 200 Safety Rest  
for WTP 90

Order no.  
T005 15 174 99



WSR 201 Safety Rest  
for WSP 80 / WP 80 / WP 120

Order no.  
T005 15 175 99



WSR 202 Safety Rest  
for WSP 150 / WP / WXP 200

Order no.  
T005 15 176 99



Change Tool  
for WTP 90

Order no.  
T005 87 687 26

WSRH 2 Mounting Plate  
for XNT Tip

Order no.  
T005 87 687 31

WSRH 1 Mounting Plate  
for LT Tip

Order no.  
T005 87 687 33

Silicon Pad  
for WT 1 / WT 1H, packed

Order no.  
T00 58 7687 34

Barrel for bent XNT tips

Order no.  
T005 87 687 65

Heating element  
for WTP 90 soldering iron

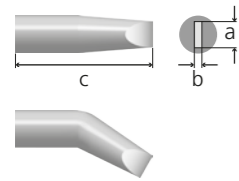
Order no.  
T005 87 687 25

Technical Data		WT 1	WT 1H	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	230V (mA) 120V (A)	T500 T1	T800 T1,6	T4 A T8 A
Weight		1.9 kg	1.9 kg	3.0 kg
Mains supply		230V / 50 Hz, 120V / 60 Hz		
Power consumption		95W	150 (200) W	900 W
Safety class		I. Antistatic housing III. Soldering tool		I. Antistatic housing
Temperature range		50 °C – 450 °C / 550 °C 150 °F – 850 °F / 950 °F		50 °C – 600 °C 120 °F – 1100 °F
Air flow				l / min 5 – 60
Temperature accuracy		± 9 °C / ± 17 °F		± 30 °C / ± 54 °F

# Soldering tips for new soldering iron WTP 90

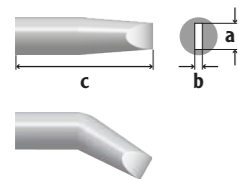
Standard tip family XNT. High mass tips for high performance applications THM family.

## Chisel



THM		Ø a mm	c mm	Order number
THM A		1.6	0.4	T0054490499
THM B		2.4	0.8	T0054490599
THM C		3.2	0.8	T0054490699
THM D		4.0	0.8	T0054490799

## 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

## Sloped



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

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

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

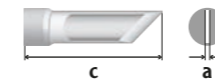
## Conical



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

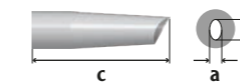
## Knife



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

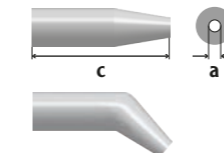
\* Non-wettable

## Gull wing



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

## Round



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

Type	Ø a mm	b mm	c mm	Order no.
XNT SMT 01	10.4	0.6	7.1	T0054487699
XNT SMT 02	16.8	0.6	7.1	T0054487799

Type	Ø a mm	b mm	c mm	Order no.
XNT SMT 03	20.8	0.6	7.1	T0054487899

## Accessories

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

Type	Order no.
Barrel	T0058765758
Barrel for bent tips	T0058765767



**WT compatible fume extraction units**



**Zero Smog® TL**

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

Order no.  
FT91013699



**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.  
T005 36 602 99



**Zero Smog® 6V**

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

Order no.  
T005 36 662 99



**Zero Smog® 20T**

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

Order no.  
T005 36 706 99



**WFE P**

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

Order no.  
T005 36 386 99

**& WT peripheral heating plates**

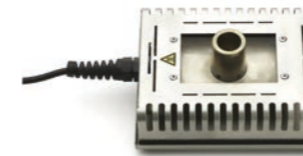


**WHP 80**

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

Order no.  
T005 27 028 99

**& 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

Order no.  
T005 27 040 99



**WSB 150**

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

Order no.  
T005 27 042 99

**& WT and WX Hub connectors for Zero Smog® units**

**WT Hub**

To connect the Zero Smog® TL unit

Order no.  
T005 87 687 67



**WX Hub**

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

Order no.  
T005 87 647 26

# How do I begin to build my Weller® workbench?

See our tool selector on [www.weller.de](http://www.weller.de)



The correct Zero Smog® Fume Extraction unit protects your health and the health of your employees.



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



The anti-leaching and anti-solder splash properties increases process quality and productivity, while radically cutting costs.



Choose our Erem pliers and tweezers to complete your workbench for perfect soldering results



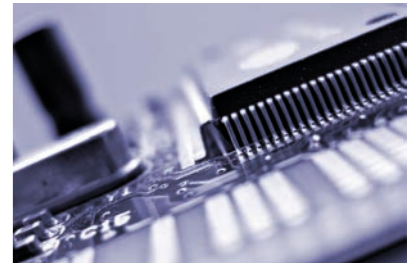
## 1 Choose your component size and solder tip.

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.



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# Weller®