

[WellerTechnology Line]

GENERATION WT

The next level of hand soldering and hot air rework.



Weller®

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



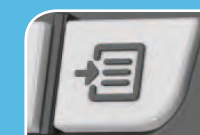
Front-mounted Mains Switch

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.



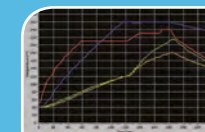
New Menu Button

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	150W
	
WT 1 Soldering power unit with 1 channel	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



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 A and WSR 200 safety rest



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



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



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



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



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



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)


THM, XNT 

Order no.
T005 29 223 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. 65 W | 24 V | Max. temperature 450 °C / 850 °F
Tip family XNT


XNT A 

Order no.
T005 29 216 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. 80 W | 24v | Max. temperature 450 °C / 850 °F
Tip family LT


LT B 

Order no.
T005 29 181 99



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

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


LT 

Order no.
T005 33 125 99



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

Versatile 120 W iron for demanding applications. Suitable for 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


XT B 

Order no.
T005 29 194 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. 150 W | 24 V | Max. temperature 450 °C / 850 °F
Tip family LHT

LHT F 

Order no.
T005 29 189 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. 200 W | 24 V | Max. temperature 450 °C / 850 °F
Tip family XHT


XHT D 

Order no.
T005 29 200 99



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

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


WTA 

Order no.
T005 33 133 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. 75 W | 24 V | Max. temperature 450 °C / 850 °F
Tip family LT

LT B 

Order no.
T005 33 151 99

The WT station lineup



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 I/min 5 - 60 (expanded hot air) I/min 100		50 °C – 450 °C / 550 °C 150 °F – 850 °F / 950 °F		50 °C – 600 °C 120 °F – 1100 °F
Air flow				I / min 5 – 60
Temperature accuracy		± 9 °C / ± 17 °F		± 30 °C / ± 54 °F



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

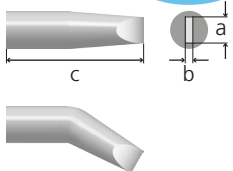
Order no.
T005 87 687 25



Soldering tips for the new WTP90 soldering pencil

Chisel

NEW

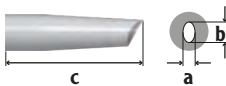


THM	Ø a mm	c mm	Order number
THM A	1.6	0.4	T0054490499N
THM B	2.4	0.8	T0054490599N
THM C	3.2	0.8	T0054490699N
THM D	4.0	0.8	T0054490799N

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

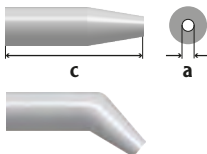
The standard XNT tip family is also compatible.

Gull wing



XNT	b mm	c mm	Order no.
XNT GW 1	2.0	33.0	T0054485499N
XNT GW 2	1.5	27.5	T0054488099N

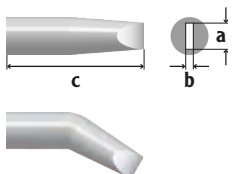
Conical



XNT	Ø a mm	c mm	Order no.
XNT 1S	0.2	28.5	T0054485299N
XNT 1LX	0.2	36.5	T0054487299N

Type	Ø a mm	c mm	Order no.
XNT 1X	0.4	28.0	T0054486599N
XNT 1SLX 45 °	0.4	39.5	T0054487599N

Chisel



XNT	Ø a mm	b mm	c mm	Order no.
XNT 1SCNW*	0.3	0.1	27.0	T0054488199N
XNT 1SC	0.4	0.15	27.0	T0054486299N
XNT H	0.8	0.4	28.0	T0054485999N
XNT K	1.2	0.4	28.0	T0054486099N
XNT A	1.6	0.4	28.0	T0054485199N
XNT 6	1.6	0.4	29.5	T0054485699N
XNT B	2.4	0.8	27.0	T0054485799N

Type	Ø a mm	b mm	c mm	Order no.
XNT C	3.2	0.8	27.0	T0054485899N
XNT D	4.0	0.8	28.0	T0054485399N
XNT HX 45 °	0.8	0.4	36.5	T0054487399N
XNT 4X 45 °	1.2	0.4	34.6	T0054487499N
XNT AX	1.6	0.8	28.0	T0054486499N
XNT BX	2.4	0.8	36.5	T0054488299N
XNT MX	3.2	0.8	37.5	T0054488399N

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

Accessories

XNT	Ø a mm	c mm	Order no.
Measuring tip			K1131N
XNT Screw M4		26.0	T0054487999N

Type	Order no.
Barrel	T0058765758N
Barrel for bent tips	T0058765767N

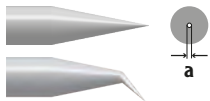
Sloped



XNT	a mm	Order no.
XNT 4	1.2	T0054485599N
XNT AA 45 °	1.6	T0054488499N
XNT BB 45 °	2.4	T0054488599N

Type	a mm	Order no.
XNT CC 45 °	3.2	T0054488699N
XNT F 45 °	1.2	T0054488799N

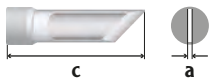
Conical



XNT	Ø a mm	c mm	Order no.
XNT 1	0.5	27.0	T0054485099N

Type	Ø a mm	c mm	Order no.
XNT S	0.4	37.5	T0054486899N

Knife



XNT	Ø a mm	c mm	Order no.
XNT KN	2.0	33.0	T0054486399N

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



The TNA nozzle adapter also makes this tool backwards compatible with a host of older style nozzles.

NEW Nozzles for the built-in WTHA1 hot air iron



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



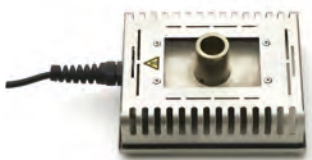
WHP 80

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



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.



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.



GERMANY

Weller Tools GmbH
Carl-Benz-Straße 2
74354 Besigheim

Tel: +49 (0) 7143 580-0
Fax: +49 (0) 7143 580-108

AUSTRALIA

Apex Tools
P.O. Box 366
519 Nurigong Street
Albury, N.S.W. 2640
Australia

Tel: +61 (2) 6058-0300
Fax: +61 (2) 6021-7403

BRAZIL

Apex Tool Group Industria
e Comercio de Ferramentas Ltda.
Av. Liberdade, 4055
CEP 18087-170 - Sorocaba-SP

Tel: +55 (15) 3238-3870
Fax: +55 (15) 3238-3938

CANADA

Apex Tools – Canada
164 Innisfil Street
Barrie, Ontario
Canada L4N 3E7

Tel: +1 (905) 455 5200

CHINA

Apex Tool Group
2nd Floor, Area C, 177 Bi Bo Road,
Pudong, Shanghai, 201203 P.R.C.

Tel: +86 (21) 60880288
Fax: +86 (21) 60880289

FRANCE

Apex Tool Group S.A.S.
25 Avenue Maurice Chevalier B.P. 46
77832 Ozoir-la-Ferrière Cedex

Tel: +33 (0) 1.64.43.22.00
Fax: +33 (0) 1.64.43.21.62

GREAT BRITAIN

Apex Tool Group (UK Operations) Ltd
4th Floor Pennine House
Washington, Tyne & Wear
NE37 1LY

Tel: +44 (0) 191 419 7700
Fax: +44 (0) 191 417 9421

ITALY

Apex Tool S.R.L.
Viale Europa 80
20090 Cusago (MI)

Tel: +39 (02) 9033101
Fax: +39 (02) 90394231

JAPAN

Apex Tool Group
Korin-Kaikan Bldg. 5F
3-6-23 Shibakoen, Minato-Ku
Tokyo 105-0011

Tel.: +81-3-6450-1840
Fax +81-3-6450-1841
www.apextoolgroup.com

USA

Apex Tool Group, LLC
14600 York Rd., Suite A
Sparks, MD 21152

Tel: +1 (800) 688-8949
Fax: +1 (800) 234-0472

MEXICO

Apex Tool Group Manufacturing
México S. de R.L. de C.V.
Vialidad El Pueblito #103
Parque Industrial Querétaro
Querétaro, QRO 76220

SOUTH EAST ASIA

Apex Power Tools India Pvt Ltd
Gala No. 1, Plot No. 5
S.No. 234, 235 & 245
India Land Global Industrial Park
(Next to Tata Johnson Control)
Taluka-Mulsi, Phase –I
Hinjawadi Pune (411057)
Maharashtra, India

toolsindia@apextoolgroup.com

SWEDEN

Apex Tool Group AB
William Gibsons Väg 1C
43376 Jonsered

Tel: +46 (0) 31-725 6430

Weller®

www.weller-tools.com

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