

Get It Soldered

Weller Efficiency – the most powerful station in its class



Weller®

Get it soldered

Just switch on the new WE station and start soldering. Weller introduces a new soldering station designed for education, advanced hobbyists and professional users.

EASY TO USE

Digital LCD screen

- › Easily monitor your preset levels

Menu control buttons

Intuitive navigation

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

Temperature stability and lock

- › High quality and repeatable results

Standby Mode

- › Equipment protection and efficient energy use

Power switch on the front

- › Convenient on/off control

POWERFUL

70 W power station

- › 70 W power housed in functional new design
- › Fast heat-up and recovery

70 W soldering iron

- › More power, more control
- › Toolless tip change solution
- › Less hand fatigue, more precision

ET tip family

- › Choose from a wide range of longlife ET tips

RELIABLE

New reinforced safety rest

- › Provides extra stability and safety



Heat-resistant silicon cable

- › ESD safe for professional use

Ergonomic handle

- › Less hand fatigue, more precision

AND STILL COST EFFICIENT

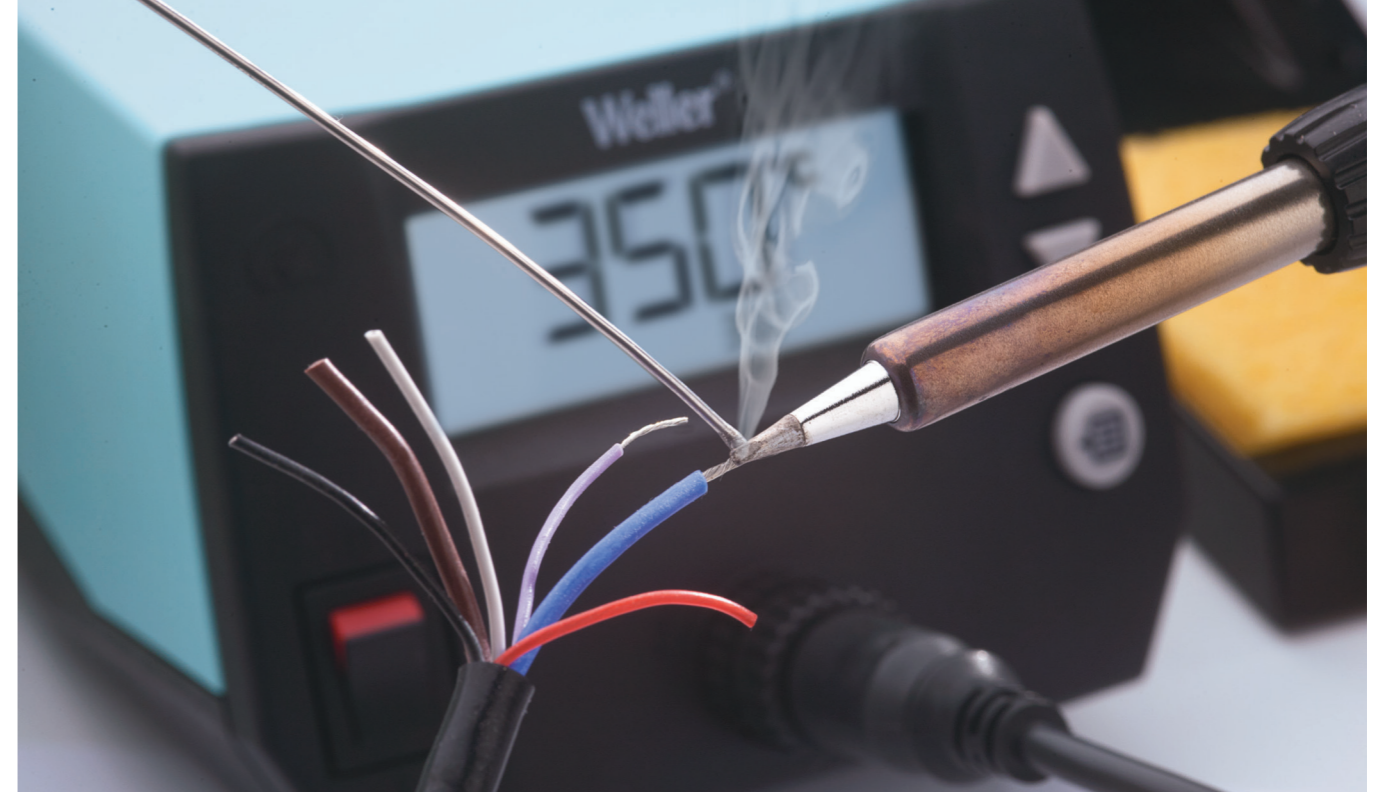
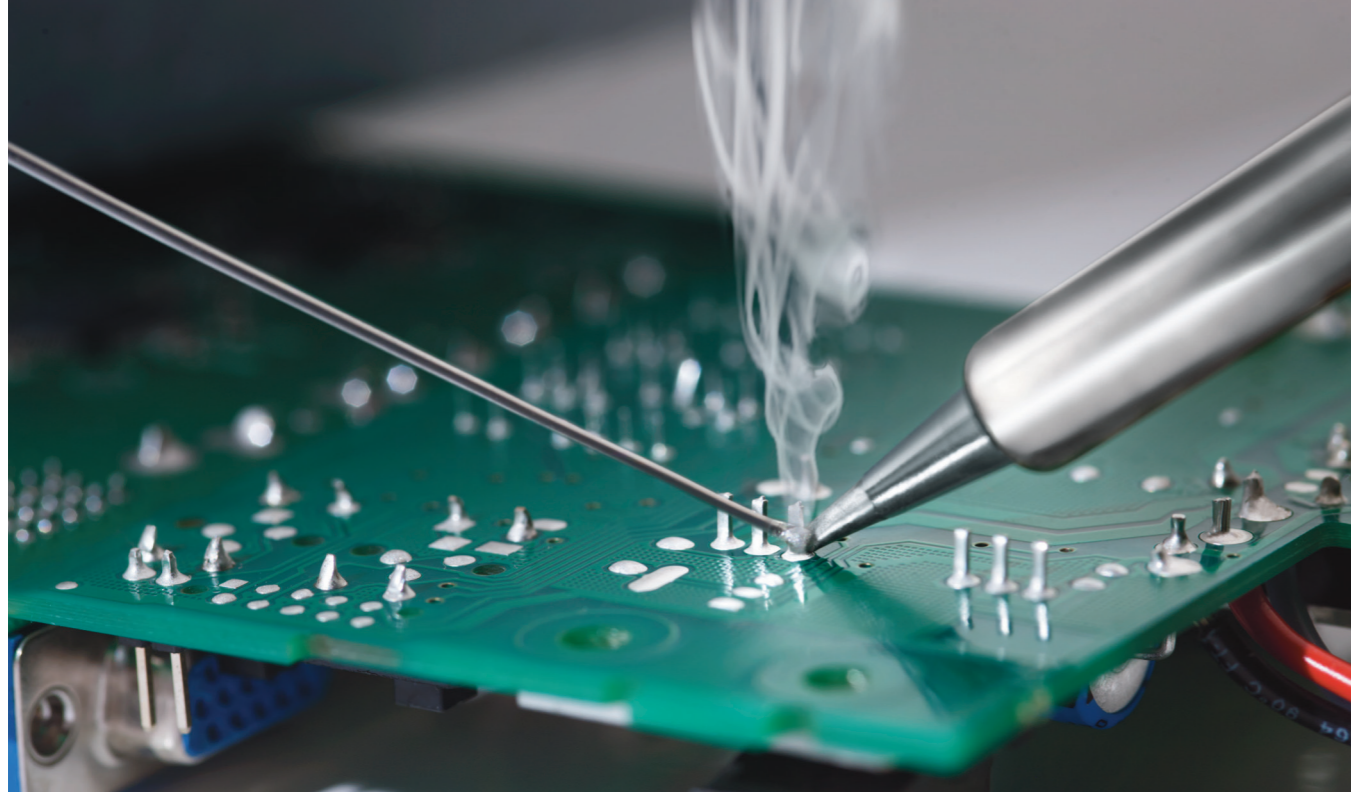
ADVANTAGES AT A GLANCE

Powerful, user friendly and cost-efficient

- › Powerful with 70 W – gets your soldering job done faster
- › Easy to handle high performance iron
- › Intuitive navigation
- › Low total cost of ownership

Maximum reliability and protection

- › ESD safe station, iron, and heat-resistant silicon cable for safe handling
- › Reinforced safety rest for secure iron storage
- › Temperature stability (+/- 4°F, 2°C) and temperature lock protects tips and components, affording a consistently high quality process with repeatable soldering results
- › Standby mode and auto setback conserves energy, protects equipment
- › Password-protected to preserve settings



Get it **soldered** with the WE soldering station...

...with **improved features**



Gets your soldering job done faster

- › Digital 70 W soldering station, 40% more powerful than existing 50 W stations in the same category. This allows the iron to heat up fast and to provide a fast recovery time – gets the job done quicker with more efficiency and precision.



Easy to handle high performance iron

New high performance 70 W soldering iron with an ergonomic handle and easy toolless tip change solution:

- › The iron was designed in a light weight pencil style with a co-molded grip.
- › The new and improved safety rest has additional support so that the iron is stored securely in place in between use.



Intuitive navigation

- › The station is designed in a state-of-the-art housing with front panel power switch for easy access.
- › The digital WE soldering station features an easy-to-read LCD screen with 3 push buttons providing easy temperature control, a front switch for easy on/off and intuitive navigation through all new SW features.



Easy tip change and low total cost of ownership

- › Change hot tips out by hand by twisting the plastic knurled nut on the soldering pencil without an additional tool.
- › The soldering set and the genuine Weller ET series tips provide the best performance and an extraordinary lifetime.
- › Choose from a wide selection of existing high quality, affordable, genuine Weller ET tips. Here's where the station starts to pay for itself.



Safe handling

- › ESD safe
- › Both station and iron have passed inspection and have received a Certificate of Compliance for electrical safety (CE, UL)
- › The flexible silicon cable withstands heat because it meets the highest industry standards for mechanical strength (overload/stress). Because it's certified ESD safe, the WE station can be used for professional use.



Temperature stability

- › +/- 4°F, 2°C (even better than MIL Spec)
- › Temperature lock stabilizes heat levels to protect tips and components and aid in producing uniformly high quality solder joints - reliable and repeatable soldering results



Standby mode

- › Station automatically powers down to a given temperature when not in use



Automatic set-back

- › Sets temperature back automatically when not in use to save energy and increase tip lifetime



Password-protected







- › All settings can be secured with a password, so that predefined settings can be maintained in order to ensure process quality



A = Width mm
B = Thickness mm
C = Length mm




Chisel



Model	A	B	C	PU	Order No.
ET A 	1.6	0.7	34.5	1 10 100	4ETA-1 4ETA-10 4ETA-100
ET B 	2.4	0.8	34.5	1 10	4ETB-1 4ETB-10
ET C 	3.2	0.8	34.5	1 10 100	4ETC-1 4ETC-10 4ETC-100
ET D 	4.6	0.8	34.5	1 10	4ETD-1 4ETD-10
ET DS SOLDERING TIP 50MM 	4.6	0.8	34.5	1	4ETDS-1 4ETDS-10
ET E 	5.6	1.2	34.5	1 10 100	4ETE-1 4ETE-10 4ETE-100


Round




Model	A	B	C	PU	Order No.
ET AA SOLDERING TIP 16MM 	4.6	0.8	34.5	1 10	4ETAA-1
ET BB 	2.4		34.5	1 10	4ETBB-1 4ETBB-10
ET CC 	3.2		34.5	1 10	4ETCC-1 4ETCC-10




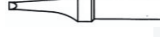


Conical






Model	A	B	C	PU	Order No.
ET OL 	0.8		43.5	1	4ETOL

Measuring tip



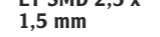

Model	A	B	C	PU	Order No.
ET Measuring tip 	0.5		30	1	T005 24 750 99

Model	A	B	C	PU	Order No.
ET HL 	0.8	0.4	34.5	1	4ETHL
ET L 	2.0	1.0	43.5	1 10 100	4ETL-1 4ETL-10 4ETL-100
ET M 	3.2	1.2	43.5	1 10	4ETM-1 4ETM-10
ET R 	1.6	0.7	34.5	1 10	4ETR-1 4ETR-10
ET KL 	1.2	0.8	44	1	4ETKL
ET SL 	0.3		43.5	1	4ETSL

Model	A	B	C	PU	Order No.
ET CS 	3.2		34.5	1 100	4ETCS-1 4ETCS-100
ET F 	1.2		34.5	1 10	4ETF-1 4ETF-10
ET P 	0.8		34.5	1 10	4ETP-1 4ETP-10

Gullwing tip



Model	A	B	C	PU	Order No.
ET GW 	4.3	3	35	1	T005 41 045 99
ET C HPB SOLDERING TIP FE+NI 	4.3	3	35	1	T005 41 003 75
ET SMD 2,5 x 1,5 mm 	2.5	1.5	45	1	T005 41 039 99
ET SMD 3,8 x 1,5 mm 	3.8	1.5	45	1	T005 41 040 99

Get started with the WE station

This station is developed especially for education and as entry level professional station. It has many of the software features as our professional stations, plus is easy and economical to use.



Technical Data

Dimensions L x W x H	150 x 125 x 100 mm 5.91 x 4.92 x 3.94 inches
Power supply	230 V / 50 Hz; 120 V / 60 Hz
Power	70 W
Temperature range	200°F–850°F; 100°C–450°C
Temperature accuracy	+/- 17°F , 9°C
Temperature stability	+/- 4°F , 2°C
ESD safe	yes
Supplied tip	ETA

Applications*

- | | |
|---|---|
| <ul style="list-style-type: none"> > Easy professional soldering jobs > PCBs > Electronic kits > Education > Radio-controlled > Indoor lighting > Low-voltage wiring > Cable assembling | <ul style="list-style-type: none"> > Hobby models > Small appliance > Small engine > Repair > Crafts > Audio systems > Electrical |
|---|---|

● Recommended ● Acceptable

*NOT RECOMMENDED FOR: micro-components, marine, automotive, heat sink, ground plane, metal art, plumbing, jewelry

WE Soldering Station Kit

Order no.	Description
T0053298699	WE1 STATION 230V WEP70 SOLDERING IRON PH70 SAFETY REST WITH SPONGE ETA TIP 0.062" / 1.6 MM SCREWDRIVER

Accessories

Order no.	Description
T0058770714	WEP70 TIP RETAINER
T0058770715	WEP70 SOLDERING IRON
T0058770706	PH70 SAFETY REST WITH SPONGE
TC205	SPONGE REPLACEMENT
	ET SERIES TIPS



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

Weller®

GERMANY

Weller Tools GmbH
Carl-Benz-Straße 2
74354 Besigheim

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

CHINA

Apex Tool Group
2nd Floor, Area C, 177 Bibo Road,
Pudong, Shanghai, 201203

Tel: +86 (21) 60880288
Fax: +86 (21) 60880298

USA

Apex Tool Group,
670 Industrial Drive
Lexington SC, 29072

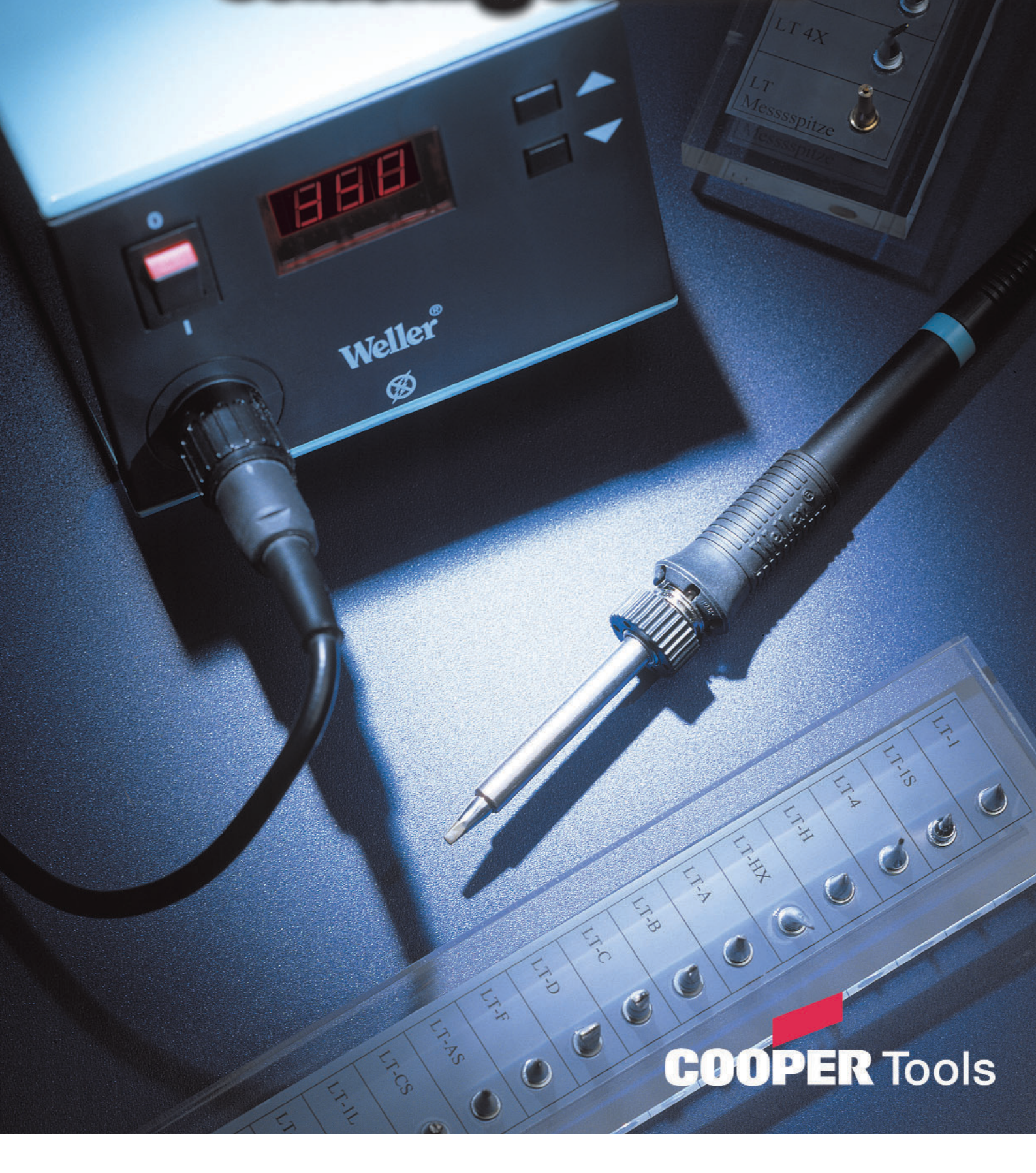
Tel: +1 (800) 688-8949
Fax: +1 (800) 234-0472

www.weller-tools.com

Weller® is a registered trademark of Apex Brands, Inc. | © 2017
ATG-3473 | Specifications subject to change without notice.

Weller®

Soldering Stations



COOPER Tools

Control. Weller leads the market with a growing new generation of temperature-controlled stations and tools. They are more powerful, faster, intelligent and reliable than ever before. These small, good-looking stations easily connect to a variety of new and existing Weller soldering irons and accessories to provide greater flexibility and put you firmly in control of all your workbench needs.



More Powerful.

Two 80W stations, the WS 81 and WSD 81, increase the ability to work on high-mass components where a greater controlled power is required.

The analogue station WS 51 will meet most every day soldering needs.

The digital stations WSD 81, WSD 151 and WSD 161 are able to display the set, read and actual temperatures.

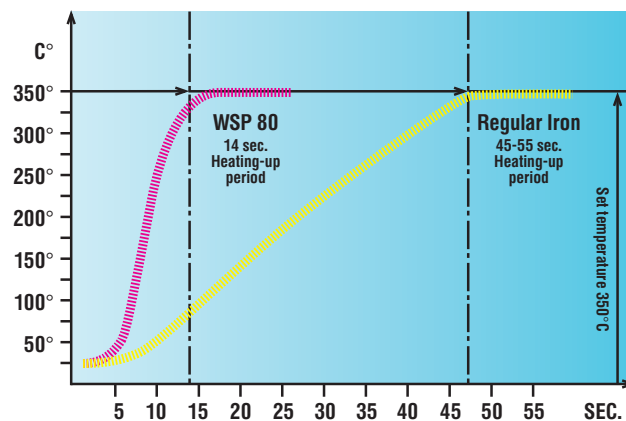
The WSD 161 also has dual outputs to drive 2 x WSP 80 soldering irons which are supplied with the station. The outputs are able to be set at different temperatures

and can be individually switched on/off.

To meet the requirements of high temperature soldering or applications needing high power, the WSD 151 can be set to a temperature of 550 deg C.

All of these stations are able to drive any of the "Temtronic" tools compatible with the rating of the stations.

For users who prefer to control the temperature of the soldering iron by changing the tip, the WTCP 51 is the latest version of the tried and tested Magnastat controlled tool.



Faster.

The heating elements in the WSP 80 and WSP150 soldering irons are designed in such a way that the thermal energy generated by the element is passed to the patented low mass bits by thermal conduction.

As a result the soldering irons have faster heat up and recovery times than other conventional tools.

The effect of this rapid recovery rate is that there is very little temperature loss at the tip when making high mass or rapid soldering joints. Therefore making these tools ideally suited for production line applications.

All of Weller's electronically controlled soldering, desoldering and rework stations meet the current ESD safety requirements.

Small, Good Looking.

The distinctive looks of the Weller family have been maintained, but at the same time further developed to offer the most stylish, yet functional soldering stations on the workbench.

The footprint area of the SL series stations has been kept to a minimum, so that valuable work space can be maximised.

More Intelligent.

All of the digital stations have the added facility of being able to be programmed from the WCB control boxes. This feature allows temperature offset, temperature lock out and temperature set back with automatic switch off to be set.

The processor in these stations is able to recognise which "Temtronic" tool is in use and calibrate the station output so that any tool compatible with the rating of the station can be driven and controlled, without the need to recalibrate.



Greater Flexibility.

All five of the electronically controlled stations are able to drive the range of "Temtronic" tools, provided the tool is compatible with the rating of the station. The matrix will let you plan your workbench to ensure you have the best connections Weller can bring.

Reworking and Repair.

The Weller WAD 101 hot air station, WDD 81V desoldering station and WDD 161V rework station are natural partners of the Weller SL series of soldering stations. Equally powerful, fast, intelligent and reliable, the WAD 101, WDD 81V and WDD 161V provide you with total flexibility to control the

most demanding rework/repair task. For full details of connecting tools, tips, nozzles and accessories, refer to the latest CooperTools Electronics Catalogue.



WAD 101 hot air station



WDD 161V rework station



WDD 81V desoldering station



























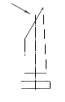
Weller Digital Soldering Station












SL Series

WSD 81 Soldering station

Tips for the WSP 80, WSP 80 FE and MPR 80 Soldering pencils:

 LT 1 Ø 0,25 mm Round tip 5 44 435 99	 LT 1L Ø 0,2 mm Round tip 5 44 423 99	 LT 1S Ø 0,2 mm Round tip 5 44 436 99	 LT AS Ø 1,6 mm Round tip 5 44 404 99	 LT CS Ø 3,2 mm Round tip 5 44 411 99	 LT H 0,8 mm Chisel tip 5 44 437 99	 LT F 1,2 mm Chisel tip 5 44 408 99	 LT K 1,2 mm Chisel tip 5 44 438 99	 LT A 1,6 mm Chisel tip 5 44 440 99
 LT L 2,0 mm Chisel tip 5 44 414 99	 LT B 2,4 mm Chisel tip 5 44 405 99	 LT C 3,2 mm Chisel tip 5 44 407 99	 LT M 3,2 mm Chisel tip 5 44 415 99	 LT D 4,6 mm Chisel tip 5 44 409 99	 LT 4 Sloped tip 5 44 439 99	 LT GW Ø 3,2 mm Sloped tip 5 44 410 99	 LT S Ø 0,4 mm Conical tip 5 44 406 99	 LT 1LX Ø 0,2 mm Bent tip 5 44 424 99
 LT HX 0,8 mm Bent tip 5 44 420 99	 LT 4X Ø 1,2 mm Bent tip 5 44 428 99	 LT AX Ø 1,6 mm Bent tip 5 44 427 99	 LT 1X Ø 2,0 mm Bent tip 5 44 425 99	 LT 1SLX Ø 2,0 mm Bent tip 5 44 426 99	 LT ALX 1,6 mm Bent tip 5 44 443 99	 LT BX 2,4 mm Bent tip 5 44 442 99	 LT Adaptor For SMD tips 5 44 417 99	 LT BB 2,4 mm sloped tip 5 44 444 99

Tips for the WSP 150 Soldering pencil:

 LT CC 3,2 mm sloped tip 5 44 445 99	 LT Measuring tip 5 44 416 99	 LHT D 5 mm Chisel tip 5 44 452 99	 LHT E 7 mm Chisel tip 5 44 451 99	 LHT F 10 mm Chisel tip 5 44 450 99	 LHT DX 5 mm Chisel tip 5 44 462 99	 LHT EX 7 mm Chisel tip 5 44 461 99	 LHT FX 10 mm Chisel tip 5 44 460 99	 LHT Calibration tip 5 44 453 99
---	---	---	---	--	--	--	---	---

Matrix



	WS 51	WS 81	WSD 81	WSD 161	WSD 151
 <p>LR 21 SOLDERING PENCIL (KH 20 support for LR 21)</p>	■	■	■	■	■
 <p>LR 82 SOLDERING PENCIL (KH 27 support for LR 82)</p>		■	■	■	■
 <p>WSP 80 SOLDERING PENCIL (WHP 80 support for WSP 80)</p>		■	■	■	■
 <p>WSP 150 SOLDERING PENCIL (KH 27 support for WSP 150)</p>				■	■
 <p>MLR 21 MICRO SOLDERING PENCIL (KH 15 support for MLR 21)</p>	■	■	■	■	■
 <p>MPR 80 ANTISTATIC PERITRONIC SOLDERING PENCIL (KH 25P and AK 21 supports)</p>		■	■	■	■
 <p>WMP MICRO SOLDERING PENCIL (WPHM support for WMP)</p>			■	■	■
 <p>WST 20 THERMAL STRIPPING TOOL WITH SUPPORT</p>	■	■	■	■	■
 <p>WHP 80 HEATING PLATE</p>		■	■	■	■
 <p>WTA 50 HEATED TWEEZER (AK 51 support for WTA 50)</p>	■	■	■	■	■
 <p>WSB 80 TEMPERATURE CONTROLLED SOLDER BATH</p>		■	■	■	■
 <p>WCB 1 CALIBRATION UNIT</p>			■	■	■
 <p>WCB 2 CALIBRATION UNIT</p>			■	■	■

Here's the line-up of the new Weller soldering stations.

For compatibility with your existing soldering tool accessories and tips, refer to your current Weller Catalogue.



- | | | | | | |
|--|--|---|--|--|---|
| <p>WS 51</p> <p>Consists of:</p> <ul style="list-style-type: none"> ■ PU 51 Power unit
5 32 326 99
(UK: 5 32 323 99) ■ LR 21 Pencil
5 25 106 99 ■ KH 20 Holder
5 15 020 99 <ul style="list-style-type: none"> ■ Analogue control electronics ■ Protection class 1 ■ Antistatic housing ■ Temperature control infinitely variable from 50°C - 450°C with potentiometer ■ All Temtron tools up to 50W may be connected ■ Accuracy ±2% of final value ■ Visual control with LED ■ Equipotential bonding (normal state hard grounded) ■ Includes safety rest for the soldering tool ■ Dimensions - 166 x 115 x 101 mm (L x W x H) ■ Order No: 5 32 306 99 (UK: 5 32 303 99) | <p>WS 81</p> <p>Consists of:</p> <ul style="list-style-type: none"> ■ PU 81 Power unit
5 32 526 99
(UK: 5 32 523 99) ■ WSP 80 Pencil
5 29 161 99 ■ WPH 80 Holder
5 15 140 99 <ul style="list-style-type: none"> ■ Analogue control electronics ■ Protection class 1 ■ Equipotential housing ■ Temperature control from 50°C - 450°C adjustable with potentiometer ■ All Temtron tools up to 80W may be connected ■ Accuracy ±2% of final value ■ Visual control with LED ■ Equipotential bonding (normal state hard grounded) ■ Includes safety rest for the soldering tool ■ Dimensions - 166 x 115 x 101 mm (L x W x H) ■ Order No: 5 32 506 99 (UK: 5 32 503 99) | <p>WSD 81</p> <p>Consists of:</p> <ul style="list-style-type: none"> ■ PUD 81 Power unit
5 32 626 99
(UK: 5 32 623 99) ■ WSP 80 Pencil
5 29 161 99 ■ WPH 80 Holder
5 15 140 99 <ul style="list-style-type: none"> ■ Digital control electronics ■ Protection class 1 ■ Equipotential bonding (normal state hard grounded) ■ Antistatic housing ■ Temperature control from 50°C - 450°C adjustable with buttons ■ Automatic tool recognition ■ All Temtron tools up to 80W may be connected ■ Calibration box may be connected for time (setback) and locking functions (lock-out) ■ 3-position digital display for PRESET and READ VALUE ■ Accuracy ±2% of final value ■ Includes safety rest for the soldering tool ■ Dimensions - 166 x 115 x 101 mm (L x W x H) ■ Order No: 5 32 606 99 (UK: 5 32 603 99) | <p>WSD 161</p> <p>Consists of:</p> <ul style="list-style-type: none"> ■ PUD 161 Power unit
5 32 726 99
(UK: 5 32 723 99) ■ WSP 80 Pencil (2 x)
5 29 161 99 ■ WPH 80 Holder (2 x)
5 15 140 99 <ul style="list-style-type: none"> ■ Digital control electronics ■ Protection class 1 ■ Equipotential bonding (normal state hard grounded) ■ Antistatic housing ■ Two independent temperature controls from 50°C - 450°C adjustable with buttons ■ Automatic tool recognition ■ All Temtron tools up to 2 x 80W may be connected ■ Calibration box may be connected for time (setback) and locking functions (lock-out) ■ 3-position digital display, for both channels PRESET and READ VALUE may be switched over via button ■ Accuracy ±2% of final value ■ Dimensions - 166 x 115 x 101 mm (L x W x H) ■ Order No: 5 32 706 99 (UK: 5 32 703 99) | <p>WSD 151</p> <p>Consists of:</p> <ul style="list-style-type: none"> ■ PUD 151 Power unit
5 32 786 99
(UK: 5 32 783 99) ■ WSP 150 Pencil
5 29 170 99 ■ KH 27 Holder
5 15 027 99 <ul style="list-style-type: none"> ■ Digital control electronics ■ Protection class 1 ■ Equipotential bonding (normal state hard grounded) ■ Temperature control from 50°C-550°C adjustable with buttons, automatically limited to 450°C if any tool other than the WSP 150 pencil is connected ■ Automatic tool recognition ■ All Temtron tools up to 150W may be connected ■ Calibration box may be connected for time (setback) and locking functions (lock-out) ■ 3-position digital display for PRESET and READ VALUE ■ Accuracy ± 2% of final value ■ Includes safety rest for the soldering tool ■ Dimensions - 166 x 115 x 101 mm (L x W x H) ■ Order No: 5 32 766 99 (UK: 5 32 763 99) | <p>WTCP 51</p> <p>Consists of:</p> <ul style="list-style-type: none"> ■ P 51 Power unit
5 32 226 99
(UK: 5 32 223 99) ■ TCP Pencil
5 32 105 99 ■ KH 20 Holder
5 15 020 99 <ul style="list-style-type: none"> ■ On/Off controller ■ Magnastat System ■ Protection class 1 ■ Antistatic housing ■ Temperature control variable by tip exchange ■ Hard grounded ■ Includes safety rest for the soldering tool ■ Dimensions - 166 x 115 x 101 mm (L x W x H) ■ Order No: 5 32 206 99 (UK: 5 32 203 99) |
|--|--|---|--|--|---|

Campbell® Caulk Master® Crescent® Diamond® Erem® Kahnetics® Lufkin®
Nicholson® Plumb® H.K.Porter® Weller® Wire-Wrap® Wiss® Xcelite®

GERMANY
Cooper Tools GmbH
Carl-Benz-Str. 2
74354 Besigheim
Tel: (07143) 580-0
Fax: (07143) 580-108

GREAT BRITAIN
Cooper Tools
Suite 15, Coniston House
Towne Centre
Washington, Tyne & Wear
NE38 7RN
Tel: (0191) 419 7700
Fax: (0191) 417 9421

FRANCE
Cooper Tools S.A.
25 Avenue Maurice Chevalier
77330 Ozoir La Ferrière
Tél: (1) 60.18.55.40
Fax: (1) 64.40.33.05

ITALY
Cooper Italia S.p.A.
Viale Europa 80
20090 Cusago (MI)
Tel: (02) 9033101
Fax: (02) 90394231

SWITZERLAND
Erem S.A.
Rue de la Roselière 8
1400 Yverdon les Bains
Tel: (024) 426 12 06
Fax: (024) 425 09 77