Weller®

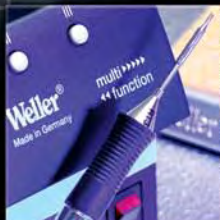## Get the Advantage

COOPER Hand Tools

Weller has come a long way from its humble beginnings back in 1945 when Carl Weller, a home radio repairman, wasn't satisfied with the bulky, slow-heating soldering irons that were the tools of his trade. The technology he pioneered, combined with his own design ingenuity, created the first soldering gun, an invention that revolutionized the electronics manufacturing and repair industries.

Today, the Weller brand is still synonymous with electronics design innovation, but in a very different way. Weller is now the most respected name in specialized soldering and desoldering products for production, rework, and repair of through hole and SMT boards, products for contact removal of ICs and QFPs, non-contact hot air products, and much more.

Weller's latest line of products again breaks new ground… this time in the fast-growing arena of lead-free soldering technology. Weller Silver Series stations have the power to handle the extra demands of lead-free soldering and the versatility to tackle a wide array of applications. As always, the famous Weller blue signifies products that help maximize productivity with a combination of innovation and value.

See for *yourself…the* time has never been better to get the Weller advantage.

SUPERIOR
LEAD FREE
PERFORMANCE

CONTENTS
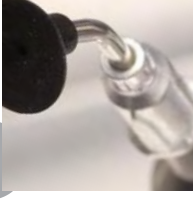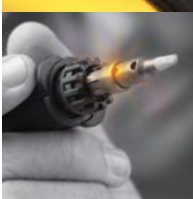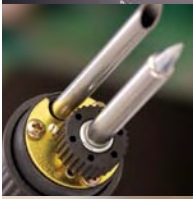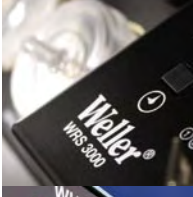
Weller

WD1002

DIGITAL SILVER SERIES SOLDERING STATION

THE WELLER ADVANTAGE:

Another Weller breakthrough gives you two pencils in one. This powerful 80-watt pencil allows rapid production when working with lead-free solder, high mass components, and other demanding applications. A special silver heating element for low thermal loss and fast recover make this unit ideal for continuous production work. And the interchangeable barrel gives you the option of working with either a traditional length or shorter tip-to-grip.

The Silver Spool heating element provides low thermal loss and fast recovery

FEATURES AND BENEFITS:

■ Modern LCD technology gives the user critical information at a glance

■ Three freely programmable temperature preset buttons allow quick and easy temperature changes

■ Powerful 80-watt pencil allows rapid production when working with lead-free solder, high-mass components, and other demanding applications

The following functions are built in to the WD1 power unit:

■ Setback time: Allows programming of the number of minutes (1 – 99), before temperature sets back to idle mode.

■ Standby temperature: Allows selection of desired setback temperature, down to 200°F.

■ Temperature lockout: Allows supervisor to easily set a temperature that cannot be changed by the operator.

■ °F/°C switching: Allows the temperature display to read in either °F or °C.

■ Temperature offset: Allows the display temperature to be adjusted +/- 72°F when working with higher mass tips, where the temperature reading can be affected by the mass of the tip.

■ Auto-Off Time: Allows programming the number of minutes of inactivity (1 – 99), before the station powers off automatically.

Optional longer barrel available

Stand has a four position tilt adjustment and antistatic finish to ensure safety against electrostatic discharge.

4-POSITION TILT

See page 8 for components and specifications
See page 5 for LT series soldering tips

TIPS

LT SERIES TIPS FOR WSP80 SOLDERING PENCIL
TINNED WITH LEAD FREE SOLDER

CHISEL

Cat No.	A IN.	A MM	B IN.	B MM	C IN.	C MM
LTA	0.063	1.60	0.028	0.70	0.380	9.70
LTB	0.094	2.40	0.031	0.79	0.430	10.90
LTC	0.126	3.20	0.031	0.79	0.430	10.90
LTD	0.181	4.60	0.031	0.79	0.430	10.90
LTH	0.031	0.79	0.016	0.40	0.430	10.90
LTK	0.047	1.20	0.016	0.40	0.730	18.50
LTL	0.078	2.00	0.039	1.00	0.790	20.00
LTM	0.126	3.20	0.047	1.20	0.790	20.00

ROUND

Cat No.	A IN.	A MM	C IN.	C MM
LT1	0.010	0.25	0.430	10.90
LT1L	0.008	0.20	0.980	25.00
LT1S	0.008	0.20	0.590	15.00
LTAS	0.063	1.60	0.380	9.70
LTCS	0.126	3.20	0.430	10.90
LTS	0.016	0.40	0.790	20.00

BENT CHISEL

Cat No.	A IN.	A MM	B IN.	B MM	C IN.	C MM
LT4X	0.047	1.20	0.016	0.40	0.590	15.00
LTAX	0.063	1.60	0.032	0.80	0.500	12.70
LTHX	0.024	0.60	0.016	0.40	0.790	20.00

SINGLE FLAT

Cat No.	A IN.	A MM	C IN.	C MM
LTF	0.047	1.20	0.490	12.50

BENT ROUND

Cat No.	A IN.	A MM	C IN.	C MM
LT1LX	0.008	0.20	0.980	25.00
LT1SLX	0.012	0.30	0.760	19.20
LT1X	0.016	0.40	0.370	9.40

KNIFE

Cat No.	A IN.	A MM	B IN.	B MM	C IN.	C MM
LTKN	0.059	1.50	0.033	0.80	0.730	18.50

SMT BLADE

Cat No.	A IN.	A MM	B IN.	B MM	C IN.	C MM
LTSMT01	0.410	10.41	0.022	0.56	0.280	7.11
LTSMT02	0.620	16.75	0.022	0.56	0.280	7.11
LTSMT03	0.820	20.83	0.022	0.56	0.280	7.11

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WD1001

DIGITAL SILVER SERIES SOLDERING STATION

THE WELLER ADVANTAGE:

With a tip-to-grip distance of just 37 mm, accuracy is unsurpassed. And with the heating element built into the pencil rather than the tip, replacement tips cost substantially less when compared to systems with tip cartridges.

SUPERIOR
LEAD FREE
PERFORMANCE

Just 37 mm tip-to-grip,
so you're close to the work.

FEATURES AND BENEFITS:

- Super-fast heat-up and superior thermal recovery for fast efficient soldering
- Tips are secured to the pencil by use of a threaded end, which eliminates the need for a barrel nut
- Modern LCD technology gives the user critical information at a glance
- Three freely programmable temperature preset buttons allow quick and easy temperature changes

The following functions are built in to the WD1 power unit:

- Setback time: Allows programming of the number of minutes (1 – 99), before temperature sets back to idle mode.
- Standby temperature: Allows selection of desired setback temperature, down to 200°F.
- Temperature lockout: Allows supervisor to easily set a temperature that cannot be changed by the operator.
- °F/°C switching: Allows the temperature display to read in either °F or °C.
- Temperature offset: Allows the display temperature to be adjusted +/- 72°F when working with higher mass tips, where the temperature reading can be affected by the mass of the tip.
- Auto-Off Time: Allows programming the number of minutes of inactivity (1 – 99), before the station powers off automatically.

Heater is integrated into the handle, so when the tip dies, the heater lives on

TIPS

NT SERIES TIPS FOR WMP MICRO SOLDERING PENCIL
TINNED WITH LEAD FREE SOLDER

MICRO

Cat No.	A		C	
	IN.	MM	IN.	MM
NT1	0.010	0.25	0.291	7.40
NT1S	0.010	0.25	0.333	8.45

BENT ROUND

Cat No.	A		B		C	
	IN.	MM	IN.	MM	IN.	MM
NT1X	0.016	0.40	0.063	1.60	0.321	8.15

ROUND

Cat No.	A		C	
	IN.	MM	IN.	MM
NT4	0.047	1.20	0.390	9.90

CHISEL

Cat No.	A		B		C	
	IN.	MM	IN.	MM	IN.	MM
NT6	0.063	1.60	0.016	0.40	0.372	9.45
NTA	0.063	1.60	0.016	0.40	0.331	8.40
NTB	0.094	2.40	0.031	0.80	0.289	7.35
NTC	0.126	3.20	0.031	0.80	0.305	7.75
NTD	0.157	4.00	0.031	0.80	0.305	7.75
NTH	0.031	0.80	0.016	0.40	0.331	8.40
NTK	0.047	1.20	0.016	0.40	0.331	8.40

BENT CHISEL

Cat No.	A		B		C	
	IN.	MM	IN.	MM	IN.	MM
NTAX	0.063	1.60	0.031	0.80	0.339	8.61

GULL WING FOR DRAG SOLDERING

Cat No.	A		B		C	
	IN.	MM	IN.	MM	IN.	MM
NTGW	0.079	2.00	0.118	3.00	0.528	13.40

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PRODUCT LINE

FOUR CONFIGURATIONS TO GIVE YOU THE MOST EFFICIENT SOLUTION

WD1

SINGLE CHANNEL POWER UNIT

Specifications:
Voltage	120 V (input); 24 V (output)
Footprint	5.27" x 4.25" x 5.77" (134 x 108 x 147 mm)
Power consumption	85W
Temperature range	150° F - 850° F (50° C - 450° C)
ESD safe	Yes
Temperature accuracy	± 9° F (± 5° C)
Temperature stability	± 10° F (± 6° C)

WD2

DUAL CHANNEL POWER UNIT

Specifications:
Voltage	120 V (input); 24 V (output)
Footprint	5.27" x 4.25" x 5.77" (134 x 108 x 147 mm)
Power consumption	160W
Temperature range	150° F - 850° F (50° C - 450° C)
ESD safe	Yes
Temperature accuracy	± 9° F (± 5° C)
Temperature stability	± 10° F (± 6° C)

WD1001

WD1 SINGLE CHANNEL POWER UNIT WITH WMP 65 WATT SOLDERING PENCIL AND WDH20 SOLDERING PENCIL STAND

Specifications:
Voltage	120 V (input); 24 V (output)
Footprint	5.27" x 4.25" x 5.77" (134 x 108 x 147 mm)
Power consumption	85W
Temperature range	150° F - 850° F (50° C - 450° C)
ESD safe	Yes
Temperature accuracy	± 9° F (± 5° C)
Temperature stability	± 10° F (± 6° C)
Stand	WDH20 (Order No. 0051512299)
Pencil	WMP

WD1002

### WD1 SINGLE CHANNEL POWER UNIT WITH WP80 80 WATT SOLDERING PENCIL AND WDH10 SOLDERING PENCIL STAND

Specifications:
Voltage	120 V (input); 24 V (output)
Footprint	5.27" x 4.25" x 5.77" (134 x 108 x 147 mm)
Power consumption	85W
Temperature range	150° F - 850° F (50° C - 450° C)
ESD safe	Yes
Temperature accuracy	± 9° F (± 5° C)
Temperature stability	± 10° F (± 6° C)
Stand	WDH10 (Order No. 0051512199)
Pencil	WP80 (Order No. 0052918099)
Barrels	Short (Included with the WP80) (Order No. 0058744845) Long (Optional) (Order No. 0058744846)

WD1000M

MULTI-FUNCTION DIGITAL SOLDERING STATION WITH PC INTERFACE

THE WELLER ADVANTAGE:

Blazingly fast heat-up and ultra-fine, ultra-precise tips make this station the choice for soldering and rework on extremely close-packed boards.
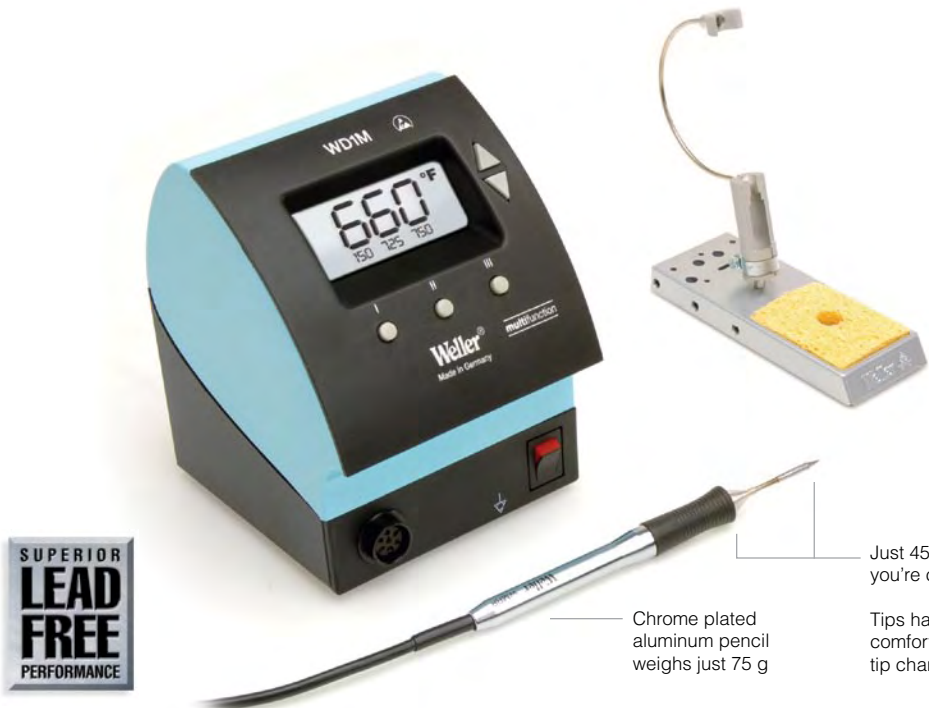
Just 45 mm tip-to-grip, so you're close to the work

Tips have integral cool comfort grips for "no-tool" tip change

Chrome plated aluminum pencil weighs just 75 g

SUPERIOR LEAD FREE PERFORMANCE

FEATURES AND BENEFITS:

■ Fast heat-up, thermal stability, and fine tips make it perfect for production or rework, in standard or lead-free applications

■ Heating element is built into the soldering tip for super-fast heat-up and recovery

■ When placed in the stand, pencil has auto-off, or temperature setback capability for extended tip life

The following functions are built in to the WD1M power unit:

■ Setback time: Allows programming of the number of minutes (1 – 99), before temperature sets back to idle mode.

■ Standby temperature: Allows selection of desired setback temperature, down to 200°F.

■ Temperature lockout: Allows supervisor to easily set a temperature that cannot be changed by the operator.

■ °F/°C switching: Allows the temperature display to read in either °F or °C.

■ Temperature offset: Allows the display temperature to be adjusted +/- 72°F when working with higher mass tips, where the temperature reading can be affected by the mass of the tip.

■ Auto-Off Time: Allows programming the number of minutes of inactivity (1 – 99), before the station powers off automatically.

Simple PC Connection
A USB connector on the rear of the station allows data logging, ISO verification and station control via an external PC. Free software is included.

Weller®

WD2000M

MULTI-FUNCTION DIGITAL SOLDERING STATION
WITH PC INTERFACE AND TWO 80 WATT OUTPUTS

THE WELLER ADVANTAGE:

Allows simultaneous use of both the WMRP micro soldering pencil and the new WMRT micro desoldering tweezers.

An ideal package for reworking small component circuit boards.

Silver buttons on the front panel indicate compatibility with silver soldering pencil (WMRP) and micro rework tweezers (WMRT).

FEATURES AND BENEFITS:

■ Fast heat-up, thermal stability, and fine tips make it perfect for production or rework, in standard or lead-free applications

■ Heating element is built into the soldering tip for super-fast heat-up and recovery

■ When you place the WMRT tweezers in the WMRTH Stop+Go rest, the unit is switched off to extend tip life.

The following functions are built in to the WD2M power unit:

■ Setback time: Allows programming of the number of minutes (1 – 99), before temperature sets back to idle mode.

■ Standby temperature: Allows selection of desired setback temperature, down to 200°F.

■ Temperature lockout: Allows supervisor to easily set a temperature that cannot be changed by the operator.

■ °F/°C switching: Allows the temperature display to read in either °F or °C.

■ Temperature offset: Allows the display temperature to be adjusted +/- 72°F when working with higher mass tips, where the temperature reading can be affected by the mass of the tip.

■ Auto-Off Time: Allows programming the number of minutes of inactivity (1 – 99), before the station powers off automatically.

Both micro size handpieces have extremely short heat-up time and optimum heat transfer capability.

The micro design employs the use of tip cartridges with a twin parallel design, so the tips are always in alignment. With the WMRT, you are able to desolder very small SMD components down to 0201.

TIPS

TIP SETS FOR WMRT SOLDERING TWEEZER

	Model	Description	Dimensions		Order No.
	RTW1	Conical	0.2 mm	45°	0054465199
	RTW2	Conical	0.7 x 0.4 mm	45°	0054465299
	RTW3	Blade	3.0 x 0.7 mm	45°	0054465399
	RTW4	Blade	6.0 x 0.7 mm	45°	0054465499

RT SERIES TIPS FOR WMRP MICRO SOLDERING PENCIL

Model	Description	Width A	Thickness B	Order No.
RT1	Needle tip	–	–	0054460199
RT2	Point tip	Ø 0.4 mm	–	0054460299
RT3	Chisel shape, straight	1.3 mm	0.4 mm	0054460399
RT4	Chisel shape, straight	1.5 mm	0.4 mm	0054460499
RT5	Chisel shape, bent, 30°	0.8 mm	0.4 mm	0054460599
RT6	Round shape, beveled, 45°	Ø 1.2 mm	–	0054460699
RT7	Knife tip, 45°	2.2 mm	–	0054460799
RT8	Chisel tip, straight	2.0 mm	0.2 mm	0054460899
RT9	Chisel tip, straight	0.6 mm	0.2 mm	0054460999
RT10	Gull wing for drag soldering	2.0 mm	3.0 mm	0054461099

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PRODUCT LINE
FOUR CONFIGURATIONS TO GIVE YOU THE MOST EFFICIENT SOLUTION

WD1M
SINGLE CHANNEL POWER UNIT

Specifications:

Voltage	120 V (input); 24 V (output)
Footprint	5.27" x 4.25" x 5.77" (134 x 108 x 147 mm)
Power consumption	85W
Temperature range	150° F - 850° F (50° C - 450° C)
ESD safe	Yes
Temperature accuracy	± 17° F (± 9° C)
Temperature stability	± 9° F (± 5° C)

WD2M
DUAL CHANNEL POWER UNIT

Specifications:

Voltage	120 V (input); 24 V (output)
Footprint	5.27" x 4.25" x 5.77" (134 x 108 x 147 mm)
Power consumption	160W
Temperature range	150° F - 850° F (50° C - 450° C)
ESD safe	Yes
Temperature accuracy	± 17° F (± 9° C)
Temperature stability	± 9° F (± 5° C)

WD1000M
WD1M SINGLE CHANNEL POWER UNIT WITH WMRP MICRO SOLDERING PENCIL AND WMRH SOLDERING PENCIL STAND

Specifications:

Voltage	120 V (input); 24 V (output)
Footprint	5.27" x 4.25" x 5.77" (134 x 108 x 147 mm)
Power consumption	85W
Temperature range	150° F - 850° F (50° C - 450° C)
ESD safe	Yes
Temperature accuracy	± 17° F (± 9° C)
Temperature stability	± 9° F (± 5° C)
Stand	WMRH (Order No. 0051514599)
Pencil	WMRP (Order No. 0052917199)

WD2000M
WD2M DUAL CHANNEL POWER UNIT WITH WMRP MICRO SOLDERING PENCIL AND WMRH SOLDERING PENCIL STAND, PLUS WMRT MICRO THERMAL TWEEZER AND WMRTH STAND

Specifications:

Voltage	120 V (input); 24 V (output)
Footprint	5.27" x 4.25" x 5.77" (134 x 108 x 147 mm)
Power consumption	160W
Temperature range	150° F - 850° F (50° C - 450° C)
ESD safe	Yes
Temperature accuracy	± 17° F (± 9° C)
Temperature stability	± 9° F (± 5° C)
Stands	WMRH (Order No. 0051514599)
	WMRTH (Order No. 0051514699)
Pencils	WMRP Micro Soldering Pencil
	(Order No. 0052917199)
	WMRT Micro Tweezers
	(Order No. 0051317399)

COMPATIBILITY
MULTIPLE OPTIONS I WELLER POWER UNITS AND ACCESSORIES

	WD1	WD2	WD1M	WD2M
WSP80	■	■	■	■
WP80	■	■	■	■
WMP	■	■	■	■
WMRP			■	■
WMRT			■	■
WTA50	■	■	■	■
WSP150			■	■
WHP80	■	■	■	■
WSB80	■	■	■	■
WSB150			■	■
FE75	■	■	■	■

Weller®

ACCESSORIES

MIX AND MATCH TO BUILD YOUR OWN CUSTOM SOLUTION

See page 13 to determine accessory and power unit compatibility

WSP80

80 WATT SOLDERING PENCIL

A micro soldering pencil, 80 W/24V. This soldering pencil can be universally used in all situations from extremely delicate soldering to those where there is a greater temperature requirement. Use with WDH10 support (Order no. 0051512199). Comes with LTB tip.

WP80

80 WATT SOLDERING PENCIL WITH SHORT GRIP
(Order no. 0052918099)

A micro soldering pencil, 80W / 24V. Similar in use and performance to the WSP80. Comes with a short barrel grip so you can get close to the work. Optional longer grip (order no. 0058744846) is available.
Use with WDH10 support (order no. 0051512199). Comes with LTB tip.

WMP

MICRO SOLDERING PENCIL

The 65W / 24V pencil is up to the task with superior performance for both heat-up and thermal efficiency. Suitable to handle all micro components and fine pitch tasks. The WMP provides an extremely short tip-to-grip distance. The heater is integrated into the handle. When the tip wears out, the heating element lives on. Use with WDH20 support (order no. 0051512299). Comes with NT1 tip.

WMRP

MICRO SOLDERING PENCIL
(Order no. 0052917199)

The WMRP soldering pencil has an extremely short heat-up time. All component parts of the system, such as the sensor and heating element, are designed for optimum heat transfer. This ensures absolute efficiency in the utilization of the power provided by the power unit. Changing soldering tips is quick, easy, and requires no tools. Use with WMRH support (order no. 0051514599). Comes with RT3 tip.

WMRT

MICRO DESOLDERING TWEEZERS
(Order no. 0051317299)

The new WMRT desoldering tweezers enables precise desoldering of very small SMD components down to 0201. The high-speed regulation of the WD1M and WD2M power units drive the tweezers. Use with WMRTH support (Order no. 0051514699). For WMRT tweezers and WMRTH support in a set, order no. 0051317399. Comes with RTW2 tip set.

WTA50

THERMAL TWEEZERS
(Order no. 0051317199)

This 50W / 24V tool is used to desolder SMD components. The tweezer has two movable heating elements so that tip alignment can be adjusted. Use with AK51 support (Order no. 0051504299). For WTA50 tweezers and AK51 support in a set, order no. 0053313399.
Comes with WTA1 tip sets.

WSP150

HEAVY DUTY SOLDERING PENCIL
(Order no. 0053313599)

This heavy duty 150W / 24V soldering pencil is used for jobs with extremely high heat requirements and large heat sinks. When operating with dual power units WD2 or WD2M, the second port is disabled. Use with PH60 support.
Comes with LHTF tip.

Available tips

Cat. No.	Order No.	Style	A	B
LHTD	0054445299	Chisel	0.185¨ (4.7 mm)	0.71¨ (1.5 mm)
LHTE	0054445199	Chisel	0.263¨ (6.7 mm)	0.71¨ (1.5 mm)
LHTF	0054445099	Chisel	0.366¨ (9.3 mm)	0.71¨ (1.5 mm)

WHP80

PREHEATING PLATE
(Order no. 0052702899)

This 80W / 24V preheater is used with any 80W power unit. It is used to slowly increase the temperature of a PC board prior to rework to minimize the risk of damaging sensitive components. Heating surface is 80 mm x 50 mm. The temperature range is adjustable from 150°F to 850°F.

WSB80

SOLDER BATH
(Order no. 0052704099)

The 80W / 24V solder bath is used with any 80W power unit. The solder bath is used as a rework preparation tool to tin wire ends and to clean and tin component leads. It can also be used to clean extraneous solder particles in preparation for rework. Temperature range is adjustable from 150°F to 850°F. Compatible with lead free solders.

WSB150

SOLDER BATH
(Order no. 0052704299)

The WSB150 solder bath is ideally suited to tin coating and preparation of soldering components. The heat output is 150W / 24V and the adjustable temperature range is 150°F – 999°F. When operating with dual power units WD2 or WD2M, the second port is disabled.
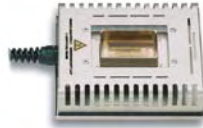
FE75

FUME EXTRACTION SOLDERING PENCIL
(Order no. 0052916699)

80W / 24V soldering pencil with integral fume extraction assembly. Compatible with any 80 watt power unit and WFE2P self-contained fume extraction system. Temperature is adjustable from 150°F to 850°F. Includes a 5 mm cylinder brush for cleaning and a funnel for support when not in use.
Uses LT series tips and comes with LTB tip.
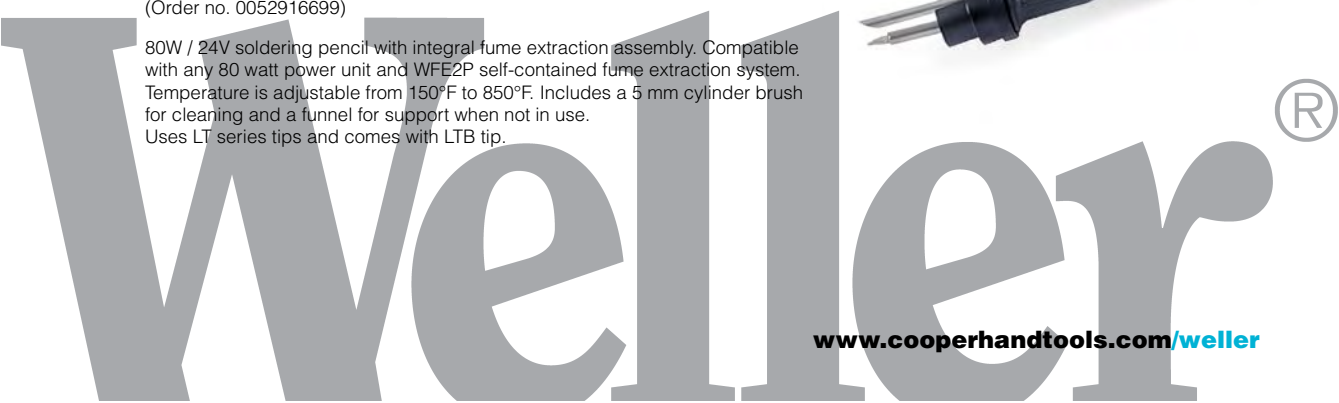
WES51

ANALOG SOLDERING STATION

THE WELLER ADVANTAGE:

A powerful and economical continuous production soldering station, this unit has temperature limit lockout and automatic power-down features to keep you in control.

Wireless lockout limits maximum temperature

Slim, comfortable pencil reduces operator fatigue

FEATURES AND BENEFITS:

- Designed for continuous production, rework, and repair of through hole, SMT boards, most ground planes, and multi-layer boards

- Wireless temperature lockout prevents operator from raising temperature to levels higher than specified for the board or component

- Station automatically powers down after 99 minutes of inactivity to prolong tip life and save power

- Pencil is fitted with non-burnable silicone rubber cord for added safety

- Pencil uses ET series tips found on page 18

Components and Specifications:

WES51PU Power Unit

Voltage	120 V (input); 24 V (output)
Temperature Range	350° F - 850° F (177° C - 454° C)
Dimensions	5.9 x 4.5 x 3.6 in. (150 x 114 x 91 mm)
Temperature Accuracy	+/- 9° F (+/-5° C)
Temperature Stability	+/- 10° F (+/-6° C)
ESD Safe	Yes

PES51 Pencil

Power Consumption	50 W
Heating Element Type	Nichrome Wound; Fiberglass and Ceramic Insulated
Cord Length	4 ft. (1.22 m)
Supplied Tip	ETA
Supplied Stand	PH50

Wireless temperature lockout gives you control over the process.

WESD51

DIGITAL SOLDERING STATION

THE WELLER ADVANTAGE:

A powerful and economical continuous production soldering station, this unit has temperature limit lockout, automatic power-down features, and a digital display to keep you in control.

Digital readout for accurate temperature control

Wireless lockout limits maximum temperature

Slim, comfortable pencil reduces operator fatigue

FEATURES AND BENEFITS:

- Designed for continuous production, rework, and repair of through hole, SMT boards, most ground planes, and multi-layer boards

- Wireless temperature lockout prevents operator from raising temperature to levels higher than specified for the board or component

- Digital readout allows quick and accurate temperature control

- Station automatically powers down after 99 minutes of inactivity to prolong tip life and save power

- Pencil is fitted with non-burnable silicone rubber cord for added safety

- Pencil uses ET series tips found on page 18

Components and Specifications:

WESD51PU — **Power Unit**

Voltage	120 V (input); 24 V (output)
Temperature Range	350° F - 850° F (175° C - 450° C)
Dimensions	5.9 x 4.5 x 3.6 in. (150 x 114 x 91 mm)
Temperature Accuracy	+/- 9° F (+/-5° C)
Temperature Stability	+/- 10° F (+/-6° C)
ESD Safe	Yes

PES51 Pencil

|	
Power Consumption	50 W
Heating Element Type	Nichrome Wound; Fiberglass and Ceramic Insulated
Cord Length	4 ft. (1.22 m)
Supplied Tip	ETA
Supplied Stand	PH50

Wireless temperature lockout gives you control over the process.

Weller®

TIPS

ET SERIES TIPS FOR PES51 SOLDERING PENCIL
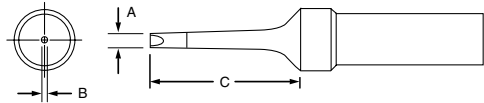## TINNED WITH LEAD FREE SOLDER

THE WELLER ADVANTAGE:

The sensor hole in the base of the tip is fitted with a stainless steel liner to prevent the tip from seizing to the sensor.
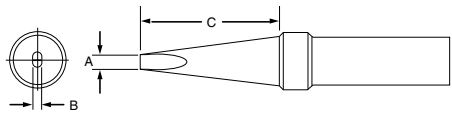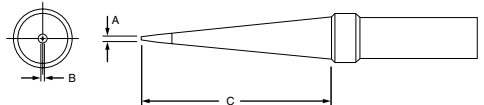
SCREWDRIVER

Cat No.	A		B		C	
	IN.	MM	IN.	MM	IN.	MM
ETA*	0.062	1.60	0.032	0.81	0.625	15.90
ETB*	0.093	2.40	0.020	0.51	0.625	15.90
ETC*	0.125	3.20	0.027	0.69	0.625	15.90
ETD	0.187	4.80	0.035	0.89	0.625	15.90
ETH	0.031	0.80	0.019	0.48	0.625	15.90

LONG SCREWDRIVER

Cat No.	A		B		C	
	IN.	MM	IN.	MM	IN.	MM
ETJ	0.031	0.80	0.012	0.30	1.000	25.40
ETK*	0.046	1.20	0.026	0.66	1.000	25.40
ETL	0.078	2.00	0.027	0.69	1.000	25.40
ETM	0.125	3.20	0.037	0.94	1.000	25.40

NARROW SCREWDRIVER

Cat No.	A		B		C	
	IN.	MM	IN.	MM	IN.	MM
ETR	0.062	1.60	0.044	1.12	0.625	15.90

CONICAL

Cat No.	A		B		C	
	IN.	MM	IN.	MM	IN.	MM
ETP*	0.031	0.80	0.012	0.30	0.625	15.90
ETT	0.024	0.60	0.036	0.91	0.625	15.90

LONG CONICAL

Cat No.	A		B		C	
	IN.	MM	IN.	MM	IN.	MM
ETO*	0.031	0.80	0.044	1.12	1.000	25.40
ETS*	0.015	0.40	--	--	1.000	25.40

SINGLE FLAT

Cat No.	A		B		C	
	IN.	MM	IN.	MM	IN.	MM
ETAA	0.062	1.60	0.040	1.02	0.625	15.90
ETBB	0.093	2.40	0.032	0.81	0.625	15.90
ETCC	0.125	3.20	0.032	0.81	0.625	15.90
ETDD	0.187	4.80	0.032	0.81	0.625	15.90
ETU	0.015	0.40	--	--	0.700	17.80
ETV	0.024	0.60	--	--	0.700	17.80
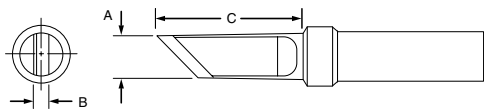
KNIFE

Cat No.	A		B		C	
	IN.	MM	IN.	MM	IN.	MM
ETKN	0.180	4.57	0.064	1.63	0.625	15.90

* Indicates available bulk (100 multiples only)

WTCPT

TEMPERATURE CONTROLLED SOLDERING STATION

THE WELLER ADVANTAGE:

Three tip-dependent temperature options provide maximum control and make this unit perfect for repetitive, basic production, rework, and repair applications.

Lighted on-off rocker switch

Ferromagnetic sensor in tip controls temperature

FEATURES AND BENEFITS:

- Unique closed loop temperature control protects sensitive components
- Ferromagnetic sensor in tip controls temperature, so no adjustment is required
- Most tips available in three standard temperature ranges (600˚ F, 700˚ F, 800˚ F) for maximum control
- Lighted rocker switch indicates on-off status
- Pencil uses PT series tips found on page 20

Components and Specifications:

PU120T Power Unit

Voltage	120 V (input); 24 V (output)
Power Consumption	60 W
Temperature Range	600° F - 800° F (316° C - 427° C)
Temperature Accuracy	+/- 9° F (+/-5° C)
Dimensions	4.5 x 5.9375 x 3.625 in. (114 x 150 x 91 mm)
ESD Safe	Yes

TC201T Pencil

Power Consumption	42 W
Heating Element Type	Nichrome Wound, Plug-in
Cord Length	4 ft. (1.22 m)
Supplied Tip	PTA7
Supplied Stand	PH1201ESD

www.cooperhandtools.com/weller

TIPS

PT SERIES TIPS FOR TC201T SOLDERING PENCIL
TINNED WITH LEAD FREE SOLDER
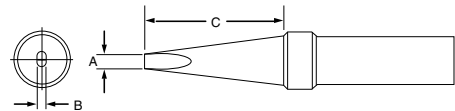
SCREWDRIVER

Catalog Numbers			A		B		C	
600°	700°	800°	IN.	MM	IN.	MM	IN.	MM
PTH6	PTH7	PTH8	0.031	0.79	0.019	0.48	0.62	15.87
PTA6	PTA7*	PTA8*	0.062	1.57	0.032	0.81	0.62	15.87
--	PTB7*	PTB8*	0.093	2.38	0.020	0.51	0.62	15.87
--	PTC7*	PTC8*	0.125	3.17	0.027	0.69	0.62	15.87
--	PTD7	PTD8*	0.187	4.74	0.035	0.89	0.62	15.87
--	--	PTE8	0.234	5.95	0.042	1.07	0.62	15.87

LONG SCREWDRIVER

Catalog Numbers			A		B		C	
600°	700°	800°	IN.	MM	IN.	MM	IN.	MM
--	PTJ7	PTJ8	0.031	0.79	0.012	0.30	1.00	25.40
--	PTK7*	PTK8	0.046	1.19	0.026	0.66	1.00	25.40
--	PTL7	PTL8	0.078	1.98	0.027	0.69	1.00	25.40
--	PTM7	PTM8	0.125	3.17	0.037	0.94	1.00	25.40
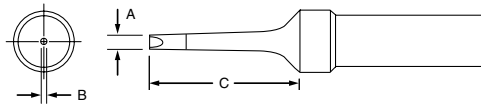
NARROW SCREWDRIVER

Catalog Numbers			A		B		C	
600°	700°	800°	IN.	MM	IN.	MM	IN.	MM
PTR6	PTR7	PTR8	0.062	1.58	0.044	1.12	0.62	15.87
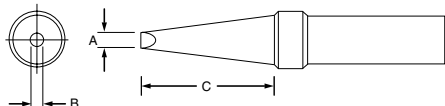
SINGLE FLAT

Catalog Numbers			A		B		C	
600°	700°	800°	IN.	MM	IN.	MM	IN.	MM
--	PTAA7	PTAA8	0.062	1.57	0.040	1.42	0.62	15.87
--	PTBB7	PTBB8	0.093	2.38	0.032	0.81	0.62	15.87
--	PTCC7	PTCC8	0.125	3.17	0.032	0.81	0.62	15.87
--	PTDD7	PTDD8	0.187	4.74	0.032	0.81	0.62	15.87

CONICAL

Catalog Numbers			A		B		C	
600°	700°	800°	IN.	MM	IN.	MM	IN.	MM
PTP6	PTP7*	PTP8*	0.031	0.79	0.012	0.30	0.62	15.87
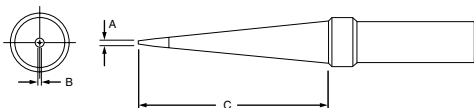
LONG CONICAL

Catalog Numbers			A		B		C	
600°	700°	800°	IN.	MM	IN.	MM	IN.	MM
--	PTS7	PTS8	0.015	0.39	--	--	1.00	25.40
PTO6	PTO7*	PTO8*	0.031	0.79	0.044	1.12	1.00	25.40

CONICAL FLAT

Catalog Numbers			A		B		C	
600°	700°	800°	IN.	MM	IN.	MM	IN.	MM
--	PTF7	PTF8	0.047	1.19	0.033	0.84	0.62	15.87

* Indicates available bulk (100 multiples only)

WDD81X

DIGITAL SHOP AIR DESOLDERING STATION

THE WELLER ADVANTAGE:

With 80 watts of power, this shop air system handles even the heaviest ground planes and multi-layer boards quickly, reducing the risk of component damage.

NEW Disposable solder trap on the DXV80 makes cleanout quick and easy

FEATURES AND BENEFITS:

■ Vacuum delay feature allows solder to reach the collection chamber before vacuum is shut off to avoid clogging

■ Digital process control allows exact temperature set for added control

■ Optional WCB1 control module provides temperature lock-out for process control, temperature set-back for extended tip life, and ° F to ° C conversion

■ DXV80 pencil uses DX series desoldering tiplets found on page 29

Components and Specifications:

Power Unit

Voltage	120 V (input); 24 V (output)
Power Consumption	95 W
Temperature Range	150° F - 850° F (50° C - 450° C)
Dimensions	7.1 x 4.51 x 4 in. (180 x 115 x 101 mm)
Pump Type	Compressed air converter
Vacuum Pressure	21 in. HG (0.8 Bar)
Temperature Stability	+/- 10° F (+/-6° C)
ESD Safe	Yes

The new patented threadless DX desoldering tiplets will not seize to the heater.

DXV80 Pencil (Order No. 0051318099)

Power Consumption	80 W
Heating Element Type	Nichrome Wound
Cord Length	4 ft. (1.22 m)
Supplied Tiplet	DX112
Solder Collection Tubes	0058741815
Supplied Stand	AKV80 (Order No. 0051503999)

WRS1002X

DIGITAL SELF CONTAINED DESOLDERING STATION

THE WELLER ADVANTAGE:

With 80 watts of power, this self-contained system handles even the heaviest ground planes and multi-layer boards quickly, reducing the risk of component damage.

SUPERIOR
LEAD
FREE
PERFORMANCE

NEW Disposable solder trap on the DXV80 makes cleanout quick and easy

FEATURES AND BENEFITS:

■ Vacuum delay feature allows solder to reach the collection chamber before vacuum is shut off to avoid clogging

■ Digital process control allows exact temperature set for added control

■ Optional WCB1 programming module provides temperature lock-out for process control, temperature set-back for extended tip life, and ° F to ° C conversion

■ DXV80 pencil uses DX series desoldering tiplets found on page 29

Components and Specifications:

Power Unit
Voltage	120 V (input); 24 V (output)
Power Consumption	175 W
Temperature Range	150° F - 850° F (50° C - 450° C)
Dimensions	9.5 x 10.6 x 4.1 in. (241 x 269 x 104 mm)
Pump Type	Rotary Vane
Air Flow Volume	1 l/min. - 10 l/min.
Temperature Accuracy	+/- 50° F (+/-30° C)
Temperature Stability	+/- 10° F (+/-6° C)
ESD Safe	Yes

DXV80 Desoldering Pencil (Order No. 0051318099)
Power Consumption	80 W
Heating Element Type	Nichrome Wound
Cord Length	4 ft. (1.22 m)
Supplied Tiplet	DX112
Solder Collection Chamber	0058741815
Supplied Stand	AKV80 (Order No. 0051503999)

The new patented threadless DX desoldering tiplets will not seize to the heater.

WRS3000VX

SELF CONTAINED SOLDER / DESOLDER STATION

THE WELLER ADVANTAGE:

Soldering and desoldering pencils, each with 80 watts of power, make this the perfect station for demanding work on heavy ground planes and multi-layer boards.

SUPERIOR
LEAD
FREE
PERFORMANCE

NEW Disposable solder trap on the DXV80 makes cleanout quick and easy

FEATURES AND BENEFITS:

■ Vacuum delay feature allows solder to reach the collection chamber before vacuum is shut off to avoid clogging

■ Microprocessor with digital read-out for complete accuracy and reliability

■ Higher power means less time spent on the PCB, reducing risk of component damage

■ Temperature set-back can be programmed from 5 to 60 minutes

■ WSP80 pencil uses LT series tips found on page 5

■ DXV80 pencil uses DX series desoldering tiplets found on page 29

Components and Specifications:

WRS3000 · Power Unit (Order No. 0053302299)
Voltage	120 V (input); 24 V (output)
Power Consumption	300 W
Temperature Range	150° F - 850° F (50° C - 450° C)
Dimensions	9.5 x 10.6 x 4.1 in. (241 x 269 x 104 mm)
Pump Type	Rotary Vane
Vacuum Pressure	20.7" (526 mm) HG
Air Flow Volume	1 l/min. - 10 l/min.
Temperature Accuracy	+/- 16° F (+/-10° C)
Temperature Stability	+/- 10° F (+/-6° C)
ESD Safe	Yes

DXV80 Desoldering Pencil (Order No. 0051318099)
Power Consumption	80 W
Heating Element Type	Nichrome Wound
Cord Length	4 ft. (1.22 m)
Standard Tiplet	DX112
Solder Collection Chamber	0058741815
Supplied Stand	AKV80 (Order No. 0051503999)

WSP80 Pencil
Power Consumption	80 W
Heating Element Type	Silver Spool
Cord Length	4 ft. (1.22 m)
Supplied Tip	LTB
Supplied Stand	WPH81

WRS3000X

THREE FUNCTION REWORK AND REPAIR SYSTEM

THE WELLER ADVANTAGE:

300 watts of total power. Three independently controlled channels. Soldering, desoldering, and hot air. Our basic rework and repair station is anything but basic.

Self-contained pump generates vacuum for desoldering tool and air for hot air tool

SUPERIOR LEAD FREE PERFORMANCE

WRS3000X Components & Specifications:

WRS3000
Power Unit (Order No. 0053302299)
Voltage	120 V (input); 24 V (output)
Power Consumption	300 W
Temperature Range	150° F – 850° F (50° C – 450° C)
Dimensions	9.5 x 10.6 x 4.1 in. (241 x 269 x 104 mm)
Pump Type	Rotary Vane
Vacuum Pressure	20.7 in. (526 mm) HG
Air Flow Volume	1 l/min. – 10 l/min.
Temperature Accuracy	+/- 16° F (+/- 10° C)
Temperature Stability	+/- 10° F (+/- 6° C)
ESD Safe	Yes

DXV80 Desoldering Pencil
Power Consumption	80 W
Heating Element Type	Nichrome Wound
Cord Length	4 ft. (1.22 m)
Supplied Tiplet	DX112
Supplied Stand	AKV80 (Order No. 0051503999)

WSP80 Soldering Pencil (Order No. 0051318099)
Power Consumption	80 W
Heating Element Type	Silver Spool
Cord Length	4 ft. (1.22 m)
Supplied Tiplet	LTB
Supplied Stand	WPH81

HAP1 Hot Air Pencil
Power Consumption	100 W
Heating Element Type	Nichrome wound;
	fiberglass and ceramic insulated
Cord Length	4 ft. (1.22 m)
ESD safe	Yes
Supplied Nozzle	0058727821
Supplied Stand	PH60

WRS3000X FEATURES AND BENEFITS:

- Soldering, desoldering, hot air
- Vacuum delay feature allows solder to reach the collection chamber before vacuum is shut off to avoid clogging
- Microprocessor with digital read-out provides complete accuracy and reliability
- Higher power means less time spent on the PCB, reducing risk of component damage

- Temperature set-back can be programmed from 5 to 60 minutes
- Lock-out key maintains process control for set parameters
- Special ionizing circuit assures hot air is static-free to protect sensitive components
- For full range of soldering tips, see page 5. For desoldering tiplets see page 29. For hot air nozzles and thermal tweezers tips, see page 30.

WRS3000XT

Start with our basic WRS3000X system, then add the amazingly useful Weller® Thermal Tweezer, and you've got this rework and repair powerhouse.

SUPERIOR LEAD FREE PERFORMANCE

WRS3000XT Components & Specifications:

In addition to all the components shown for the WRS3000X above, the WRS3000XT includes:

WTA50 Thermal Tweezers (Order No. 0051317199)
Power Consumption	50 W
ESD safe	Yes
Supplied Stand	AK51 (Order No. 0051504299)

WTA50SET (Order No. 0053313399)
WTA50 Thermal Tweezers and AK51 Stand

WTA50 Thermal Tweezers save time by allowing you to desolder defective SMT components and lift them from the board in a single action

WRS4000X

FOUR-FUNCTION REWORK AND REPAIR SYSTEM

THE WELLER ADVANTAGE:

With 400 watts of total power over four independently controlled channels, plus air and vacuum ports, the WRS4000X offers outstanding performance and flexibility.

FEATURES AND BENEFITS:

- Soldering, desoldering, hot air, thermal tweezers
- Vacuum delay feature allows solder to reach the solder trap before vacuum is shut off to avoid clogging
- Microprocessor with digital read-out provides complete accuracy and reliability
- Higher power means less time spent on the PCB, reducing risk of component damage
- Temperature set-back can be programmed from 5 to 60 minutes
- Lock-out key maintains process control for set parameters
- Special ionizing circuit assures hot air is static-free to protect sensitive components
- For a full range of soldering tips, see page 5. For desoldering tiplets, see page 29. For hot air nozzles and thermal tweezers tips, see page 30.

WRS4000X Components:

WRS1002	Power Unit (SEE PAGE 31)
WRS3000	Power Unit (Order No. 0053302299)
DXV80	Desoldering Pencil (Order No. 0051318099)
WSP80	Soldering Pencil
HAP1	Hot Air Pencil
WTA50	Thermal Tweezers (Order No. 0051317199)

See pages 22 and 23 for specification details

WRS5000X

FIVE-FUNCTION REWORK AND REPAIR SYSTEM

THE WELLER ADVANTAGE:

This system combines all the features of the WRS4000X and adds the dispensing and vacuum pickup capabilities of the WRS2000 single channel analog controlled rework station.

FEATURES AND BENEFITS:

- Soldering, desoldering, hot air, thermal tweezers, dispensing
- Vacuum delay feature allows solder to reach the solder trap before vacuum is shut off to avoid clogging
- Microprocessor with digital read-out provides complete accuracy and reliability
- Higher power means less time spent on the PCB, reducing risk of component damage
- Temperature set-back can be programmed from 5 to 60 minutes
- Lock-out key maintains process control for set parameters
- Special ionizing circuit assures hot air is static-free to protect sensitive components
- For full range of soldering tips, see page 5. For desoldering tiplets, see page 29. For hot air nozzles and thermal tweezers tips, see page 30.

WRS5000X Components:

WRS2000	Power Unit
WRS3000	Power Unit (Order No. 0053302299)
DXV80	Desoldering Pencil
WSP80	Soldering Pencil (Order No. 0051318099)
HAP1	Hot Air Pencil
WTA50	Thermal Tweezers (Order No. 0051317199)

See pages 28 and 29 for specification details

Weller®

WRS7000X

SEVEN-FUNCTION REWORK AND REPAIR SYSTEM

THE WELLER ADVANTAGE:

**The ultimate tool for the rework and repair of through hole and SMT boards...
1,200 watts of power over five independently controlled channels, with digitally controlled, built-in hot air.**

WRS7000X FEATURES AND BENEFITS:

- Soldering, desoldering, large hot air pencil, small hot air pencil, thermal tweezers, dispensing, vacuum pick-up
- Vacuum delay feature allows solder to reach the collection chamber before vacuum is shut off to avoid clogging
- Microprocessor with digital read-out provides complete accuracy and reliability
- Temperature set-back can be programmed from 5 to 60 minutes

- The ergonomic and powerful HAP3 hot air pencil, together with the extensive range of patented technology nozzles (see page 24), makes this system extremely versatile
- Lock-out key maintains process control for set parameters
- Special ionizing circuit assures hot air is static-free to protect sensitive components
- For full range of soldering tips, see page 5. For desoldering tiplets, see page 29. For hot air nozzles and Thermal tweezers tips, see page 30.

Two self-contained pumps generate vacuum for desoldering tool and air for hot air tools

100 W hot air pencil

NEW Disposable solder trap on the DXV80 makes cleanout quick and easy

80 W soldering pencil

Non-contact soldering with the HAP1 hot air pencil

Desoldering a SMT component using the WTA50 thermal tweezers

WRS7000X Components & Specifications:

WRS2000 — **Power Unit**

Voltage	120 V (input); 24 V (output)
Power Consumption	130 W
Temperature Range	300° F – 999° F (100° C – 550° C)
Dimensions	9.5 x 10.6 x 4.3 in. (240 x 270 x 105 mm)
Pump Type	Compressed Air Required
Air Flow Volume	1 l/min. – 10 l/min.
Temperature Accuracy	+/- 50° F (+/- 30° C)
Temperature Stability	+/- 10° F (+/- 6° C)
ESD Safe	Yes

WRS3000 — **Power Unit (Order No. 0053302299)**

Voltage	120 V (input); 24 V (output)
Power Consumption	300 W
Temperature Range	150° F – 850° F (50° C – 450° C)
Dimensions	9.5 x 10.6 x 4.1 in. (241 x 269 x 104 mm)
Pump Type	Rotary Vane
Vacuum Pressure	20.7 in. (526 mm) HG
Air Flow Volume	1 l/min. – 10 l/min.
Temperature Accuracy	+/- 16° F (+/- 10° C)
Temperature Stability	+/- 10° F (+/- 6° C)
ESD Safe	Yes

WHA3000P — **Power Unit**

Voltage	120 V (input)
Maximum Heat Power	700 W
Temperature Range	150° F – 999° F (50° C – 550° C)
Dimensions	9.5 x 10.6 x 6.7 in. (240 x 270 x 170 mm)
Air Flow Volume	1 l/min. – 50 l/min.
Temperature Accuracy	+/- 77° F (+/- 25° C)
ESD Safe	Yes

DXV80 Desoldering Pencil (Order No. 0051318099)

Power Consumption	80 W
Heating Element Type	Nichrome Wound
Cord Length	4 ft. (1.22 m)
Supplied Tiplet	DX112
Supplied Stand	AKV80
	(Order No. 0051503999)

WSP80 Soldering Pencil

Power Consumption	80 W
Heating Element Type	Silver Spool
Cord Length	4 ft. (1.22 m)
Supplied Tiplet	LTB
Supplied Stand	WPH81

HAP1 Hot Air Pencil

Power Consumption	100 W
Heating Element Type	Nichrome wound; fiberglass and ceramic insulated
Cord Length	4 ft. (1.22 m)
ESD safe	Yes
Supplied Nozzle	0058727821
Supplied Stand	PH60

WTA50 Thermal Tweezers (Order No. 0051317199)

Power Consumption	50 W
ESD safe	Yes
Supplied Stand	AK51
	(Order No. 0051504299)

WTA50SET (Order No. 0053313399)
WTA50 Thermal Tweezers and AK51 Stand

TIPS

DX SERIES TIPLETS FOR DS80 AND DSV80

DX110   DX111   DX112   DX113

DX114   DX115   DX116
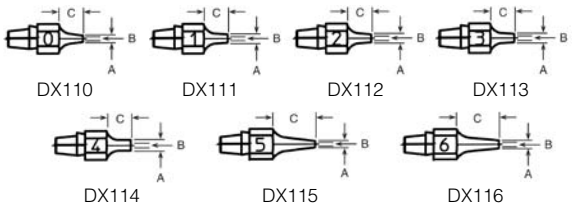
Cat No.	Order No.	A (O.D.)		B (I.D.)		C	
		IN.	MM	IN.	MM	IN.	MM
DX110	0051314099	0.075	1.90	0.028	0.70	0.325	18.00
DX111	0051314199	0.098	2.50	0.028	0.70	0.325	18.00
DX112	0051314299	0.091	2.30	0.039	1.00	0.325	18.00
DX113	0051314399	0.098	2.50	0.047	1.20	0.325	18.00
DX114	0051314499	0.130	3.30	0.071	1.80	0.325	18.00
DX115	0051314599	0.075	1.90	0.028	0.70	0.325	18.00
DX116	0051314699	0.106	2.70	0.047	1.20	1.142	29.00

Weller®

TIPS

**WTA SERIES TIPLETS FOR WTA50 THERMAL TWEEZERS
TINNED WITH LEAD FREE SOLDER**
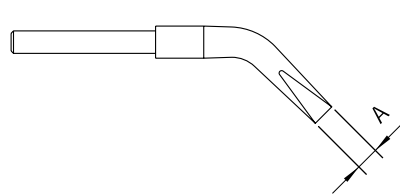
THERMAL TWEEZERS TIPS

		A	
Cat No.	Order No.	IN.	MM
WTA1	0054414199	0.039	1.00
WTA2	0054414699	0.118	3.00
WTA3	0054414799	0.236	6.00
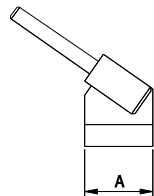
THERMAL TWEEZERS TIPS

		A	
Cat No.	Order No.	IN.	MM
WTA4	0054414399	0.492	12.50
WTA5	0054414499	0.728	18.50

NOZZLES

NOZZLES FOR HAP1 SMALL HOT AIR PENCIL
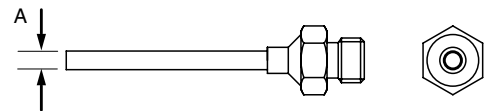
ROUND

	A		B	
Cat No.	IN.	MM	IN.	MM
0058727823	0.031	0.80	--	--
0058727821	0.047	1.20	--	--
0058727787	0.098	2.50	--	--
0058727822	0.118	3.00	--	--
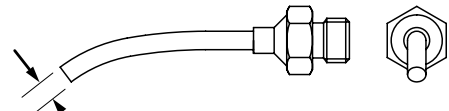
ROUND BENT

	A		B	
Cat No.	IN.	MM	IN.	MM
0058727786	0.079	2.00	--	-
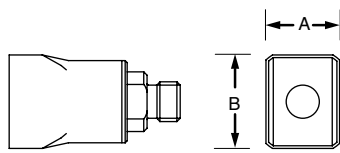
2-SIDES HEATED

	A		B	
Cat No.	IN.	MM	IN.	MM
0058727782	0.394	10.00	0.512	13.00
0058727781	0.394	10.00	0.591	15.00
0058727784	0.394	10.00	0.709	18.00
0058727779	0.413	10.50	0.413	10.50
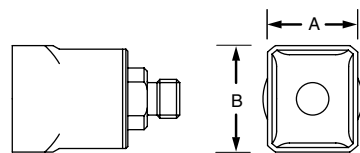
4-SIDES HEATED

	A		B	
Cat No.	IN.	MM	IN.	MM
0058727777	0.236	6.00	0.256	6.50
0058727778	0.236	6.00	0.354	9.00
0058727780	0.394	10.00	0.591	15.00
0058727783	0.492	12.50	0.591	15.00
0058727785	0.709	18.00	0.709	18.00
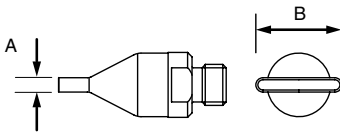
FLAT

	A		B	
Cat No.	IN.	MM	IN.	MM
0058727774	0.059	1.50	0.315	8.00
0058727773	0.059	1.50	0.394	10.00
0058727772	0.059	1.50	0.472	12.00
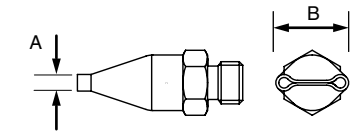
DUAL

	A		B	
Cat No.	IN.	MM	IN.	MM
0058727775	0.059	1.50	0.315	8.00
0058727776	0.059	1.50	0.394	10.00

Weller Hot Air Technology

THE WELLER ADVANTAGE:

Whether you are replacing SMDs or other types
of components, such as SMT bases, QFPs, PLCC devices,
or PGAs, Weller provides you with a solution to your
most difficult rework challenges.

With the WHA3000 Series Systems, you have
the latest in versatile, effective, and repeatable
non-destructive desoldering technology.

WHA3000PS

WHA3000P

WHA3000V

WHA300

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WHA3000PS

DIGITAL REWORK SYSTEM

THE WELLER ADVANTAGE:

This station has high-end versatility to meet your most demanding rework challenges, including repair of fine-pitch components on densely-packed boards.

SUPERIOR LEAD FREE PERFORMANCE

WBH3000S
Circuit board holder with hot air pencil stand holds the HAP3 hot air pencil perpendicular to the printed circuit board under repair, raises and lowers it precisely onto the component being reworked, and swings it out of the way for access to the circuit board

FEATURES AND BENEFITS:

- 700 watts of power allow work on larger dual in line and quad pack components
- An ion trap assures that only ESD safe hot air is directed at the component
- Memory space to store up to 10 thermal profiles ensures process repeatability
- Holds circuit boards up to 310 mm x 320 mm for outstanding versatility
- IR heating plate has a total heated area of 120 mm x 190 mm with 3 ceramic elements for controlled, even heat.
- Set and actual temperatures are digitally displayed on the LCD panel for added control of process
- An external sensor can be connected to display actual temperatures at specific areas of the circuit under repair to further guard against damage to sensitive components
- The hot plate can be controlled from its own internal control system or integrated into the control system of the WHA3000P or WHA3000V
- For full range of hot air nozzles, see page 39

WHP3000
Positioned beneath the WBH3000S circuit board holder, this IR heating plate preheats circuit board under repair to reduce possibility of thermal damage.

WHA3000P
700-watt hot air station features patented Weller nozzle technology for maximum process control and user friendly operation, plus a powerful variable speed-controlled turbine for an air volume of up to 50 liters/min

WHA3000PS Components & Specifications:

WHA3000P	Power Unit
Voltage	120 V (input); 24 V (output)
Power Consumption	700 W
Temperature Range	150° F – 999° F (50° C – 550° C)
Dimensions	9.5 x 10.6 x 6.7 in. (240 x 270 x 170 mm)
Pump Type	Maintenance-free Rotary Vane
Vacuum Pressure	-0.6 bar
Air Flow Volume	5 l/min. – 50 l/min.
Temperature Accuracy	+/- 77° F (+/- 25° C)
ESD Safe	Yes

WBH3000S Circuit Board Holder with Pivoting Holder
(See Page 34 of this catalog for specifications)

WHP3000 Heating Plate
(See Page 34 of this catalog for specifications)

Weller®

WHA3000PS

COMPONENTS AND ACCESSORIES

WBH3000S
CIRCUIT BOARD HOLDER WITH SWING-AWAY TOOL HOLDER

- Holds circuit boards up to 310 mm x 320 mm for outstanding versatility
- Precision glides allow board to be precisely positioned and secured at any point along the X and Y axes
- Accommodates both single and double sided boards
- Holds PCBs totally flat for added precision and repeatability
- Tool holder positions hot air pencil perpendicular to the PCB; smooth-acting lever raises and lowers tool precisely onto the component
- Smooth-acting lever raises and lowers the HAP3 hot air pencil 1.4 in. (35 mm) along the Z axis
- Swing-away "Stop and Go" feature automatically switches hot air pencil to "standby" mode when holder is pivoted to the side, reducing temperature and air flow

WBH3000 CIRCUIT BOARD HOLDER (not shown)
Same as WBH3000S, but without tool holder

WHP3000
INFRARED HEATING PLATE

- Reduces risk of thermal damage by providing controlled, even heat
- Set and actual temperatures digitally displayed for added control of process
- Optional Type K thermocouple can be connected to display actual temperatures at specific areas of the circuit under repair to further guard against damage to sensitive components
- Can be used alone or beneath WBH3000S or WBH3000 circuit board holders
- Can be controlled independently, or can be integrated into the control system of either the WHA3000P or the WHA3000V

Components & Specifications

WBH3000S
Dimensions   12.6 x 17.6 x 17.3 in. (320 x 446 x 440 mm)

WBH3000
Dimensions   12.6 x 17.6 x 3.9 in. (320 x 446 x 100 mm)

WHP3000
Voltage   120 V
Power Consumption   200 W (small heating zone); 600 W (large heating zone)
Temperature Range   150° F – 750° F (50° C – 400° C)
Dimensions   10.0 x 15.6 x 2.8 in. (254 x 395 x 70 mm)
ESD Safe   Yes

Accessories

0058754873   Adjustable circuit board stop
0058755745   Support for large circuit boards
0058755741   Circuit board clamp
0058754924   Clamp set for irregular-shaped circuit boards (mobile phones, digital cameras, etc.)

WHA3000P

DIGITAL HOT AIR STATION

THE WELLER ADVANTAGE:

This 700-watt hot air station has advanced features for unsurpassed process control and a quiet, yet powerful internal air source for maximum portability.

SUPERIOR LEAD FREE PERFORMANCE

"Stop and Go" tool holder automatically switches hot air pencil to "standby" mode, reducing air flow but maintaining operating temperature

FEATURES AND BENEFITS:

- Self-contained bench-top unit – no external air source required
- Capable of performing demanding repair tasks on PCBs with complex fine pitch surface mounted components
- Set and actual temperatures are digitally displayed on the LCD panel for added process control
- Automatic mode allows up to ten separate programs to be stored in memory, each with a unique air temperature / air volume / process time profile for the ultimate in control and process repeatability
- Special ionizing circuit assures hot air is static-free to protect sensitive components
- Optional nozzle change tool allows quick changeout of nozzles, even when hot
- Works with optional Type K thermocouple to measure temperature on specific area of PCB for more precise process monitoring
- Three position foot switch: OFF–HOT AIR–VACUUM
- Hot air pencil accepts wide range of patented technology nozzles for maximum versatility, see page 39

WHA3000V

Similar to the WHA3000P, except without internal turbine air source; uses compressed air or inert gas

WHA3000P Components & Specifications

Power Unit
Voltage   120 V
Power Consumption   700 W
Temperature Range   150° F – 999° F (50° C – 550° C)
Dimensions   9.5 x 10.6 x 6.7 in. (240 x 270 x 170 mm)
Pump Type   Maintenance Free, Rotary Vane
Vacuum Pressure   - 0.6 Bar
Air Flow Volume   5 l/min. – 50 l/min.
Temperature Accuracy   +/- 77° F (+/- 25° C)
ESD Safe   Yes

Accessories for WHA3000P and WHA3000V

0058736780   Manual control panel
0051504999   Nozzle change tool
0058754951   0.25 mm Type K external sensor
0053119099   0.50 mm Type K external sensor
0051504899   Stand for hot air nozzles

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WHA300

SELF CONTAINED HOT AIR REWORK STATION

THE WELLER ADVANTAGE:

Economical, yet capable enough to handle most bench top rework jobs, this 700-watt self-contained hot air station combines a small footprint with big value.

Built-in hand piece holder saves bench space

Temperature and air flow are controlled on the top panel

FEATURES AND BENEFITS:

- Compact design maximizes workspace efficiency
- Finger-activated hot air switch on pencil provides exceptional control
- Hot air hand piece uses nozzles found on page 39

Nozzle not included

Patented Weller nozzle technology safely removes QFPs, PGAs, and SMT bases.

WHA300 Components and Specifications:

Power Unit

Voltage	120 V (input); 120 V (output)
Power Consumption	700 W
Temperature Range	150° F – 1000° F or 50° C – 550° C
Dimensions	5.1 in. diameter x 8.5 in. (130 x 216 mm)
Pump Type	Turbine
Air Flow Volume	10 l/min. – 50 l/min.
Temperature Accuracy	+/- 86° F (+/- 55° C)
ESD Safe	No
Heating Element Type	Nichrome Wire Wound, Fiberglass and Ceramic Insulated

WRS1002

DIGITAL SELF CONTAINED HOT AIR REWORK STATION

THE WELLER ADVANTAGE:

Digital microprocessor control and an internal air source give this 100-watt single channel hot air station amazing performance and versatility.

Digital display shows set and actual temperatures

FEATURES AND BENEFITS:

- Powerful (100-watt) HAP1 pencil precisely delivers hot air to small SMT parts, reducing the risk of damage to adjacent components
- Finger-activated hot air switch on pencil provides exceptional control
- Digital temperature control has easy-to-read LED display for fast and accurate temperature set
- Optional WCB1 programming module provides temperature lock-out for process control, temperature set-back for extended tip life, and ° F to ° C conversion
- Hot air pencil uses nozzles found on page 30

WRS1002 Components and Specifications:

Power Unit

Voltage	120 V (input); 24 V (output)
Power Consumption	100 W
Temperature Range	150° F – 999° F or 50° C – 550° C
Dimensions	4.5 x 5.9 x 3.6 in. (114 x 150 x 91 mm)
Air Flow Volume	1 l/min. – 6 l/min.
Temperature Accuracy	+/- 50° F (+/- 30° C)
ESD Safe	Yes

HAP1 Pencil

Power Consumption	100 W
Heating Element Type	Nichrome wound; fiberglass and ceramic insulated
Cord Length	4 ft. (1.22 m)
ESD Safe	Yes
Supplied Nozzle	0058727821
Supplied Stand	PH60

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WAD101

DIGITAL SHOP AIR HOT AIR STATION

THE WELLER ADVANTAGE:

Digital microprocessor control and the ability to use external compressed air or gas give this 100-watt hot air station amazing performance and versatility.

Analog dial for manual control of hot air flow

Digital display shows set and actual temperatures

FEATURES AND BENEFITS:

- Powerful (100-watt) HAP1 pencil precisely delivers hot air to small SMT parts, reducing the risk of damage to adjacent components
- Finger-activated hot air switch on pencil provides exceptional control
- Digital temperature control has easy-to-read LED display for fast and accurate temperature set
- Optional WCB1 programming module provides temperature lock-out for process control, temperature set-back for extended tip life, and ° F to ° C conversion
- Hot air pencil uses nozzles found on page 30

WAD101 Components and Specifications:

Power Unit

Voltage	120 V (input); 24 V (output)
Power Consumption	100 W
Temperature Range	150° F – 999° F or 50° C – 550° C
Dimensions	4.5 x 5.9 x 3.6 in. (114 x 150 x 91 mm)
Air Flow Volume	1 l/min. – 6 l/min.
Temperature Accuracy	+/- 50° F (+/- 30° C)
ESD Safe	Yes

HAP1 Pencil

Power Consumption	100 W
Heating Element Type	Nichrome wound; fiberglass and ceramic insulated
Cord Length	4 ft. (1.22 m)
ESD Safe	Yes
Supplied Nozzle	0058727821
Supplied Stand	PH60

NOZZLES

FOR WHA300 AND WHA3000P
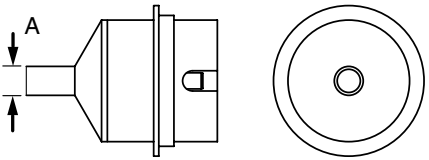
ROUND (NO VACUUM)

Cat No.	A IN.	A MM	B IN.	B MM
0058736881	0.098	2.50	--	--
0058736867	0.157	4.00	--	--
0058736870	0.276	7.00	--	--
0058736836Δ	0.453	11.50	--	--

ROUND BENT (NO VACUUM)

Cat No.	A IN.	A MM	B IN.	B MM
0058736882	0.059	1.50	--	--

ROUND DUAL (NO VACUUM)

Cat No.	A IN.	A MM	B IN.	B MM
0058736883	0.098	2.50	0.374	9.50
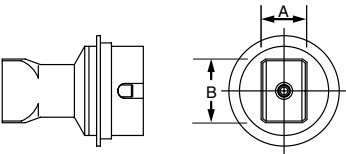
2-SIDES HEATED

Cat No.	A IN.	A MM	B IN.	B MM
0058736840	0.583	4.80	0.846	21.50
0058736842	0.394	10.00	0.551	14.00
0058736843	0.421	10.70	0.421	10.70
0058736841	0.472	12.00	0.748	19.00
0058736876Δ	0.472	12.00	1.063	27.00
0058736857Δ	1.496	38.00	1.496	38.00
0058736873Δ	1.575	40.00	1.575	40.00

4-SIDES HEATED

Cat No.	A IN.	A MM	B IN.	B MM
0058736839	0.433	11.00	0.433	11.00
0058736818	0.583	14.80	0.583	14.80
0058736814	0.709	18.00	0.709	18.00
0058736807	0.807	20.50	0.807	20.50
0058736804	1.024	26.00	1.024	26.00
0058736833	1.260	32.00	1.260	32.00
0058736891	1.417	36.00	1.417	36.00
0058736890Δ	1.693	43.00	1.693	43.00
0058736838	0.394	10.00	0.571	14.50
0058736880Δ	0.472	12.00	0.945	24.00
0058736837	0.512	13.00	0.610	15.50
0058736892Δ	0.551	14.00	1.063	27.00
0058750721	0.669	17.00	0.925	23.50
0058736877Δ	0.669	17.00	1.142	29.00
0058736998Δ	0.906	23.00	1.398	35.50
0058736999Δ	1.201	30.50	1.909	48.50
0058736858Δ	1.260	32.00	1.732	44.00
0058750709Δ	1.496	38.00	1.909	48.50
0058750714Δ	1.496	38.00	2.402	61.00

ROUND DUAL (NO VACUUM)

Cat No.	A IN.	A MM	B IN.	B MM
0058736883	--	--	--	--

CSF REPLACEMENT RUBBER INSERTS

Cat. No.	Description
W58713798	Small, 3 mm
W58713799	Large, 6 mm

(Δ) Denotes Make To Order. Contact us for a quote and lead-time.

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WFE2P

TWO OPERATOR FUME EXTRACTOR

THE WELLER ADVANTAGE:

Quiet and efficient, this self-contained fume extraction unit handles up to two Weller fume extraction irons / stations, removing 99.9% of fumes at their source.

Maintenance-free pump for extended continuous operation

Efficient four-stage filter station is easily replaceable

FEATURES AND BENEFITS:

- Self-contained bench-top unit – no external air source required
- Compact size for portability and small footprint
- For use with Weller FE series fume extraction soldering irons
- OSHA Compliant

WFE2P Components and Specifications:

WFE2P Self-Contained Fume Extractor (Order No. 0053623299)

Voltage	120 V
Operator Capacity	1 - 2 Weller FE series irons
OSHA Compliant	Yes
UL and cUL Listed	Yes
Weight	10 lb. 12 oz. (4.9 kg)
Dimensions	5.5 in. diameter x 11.375 in. (140 x 289 mm)
Noise Level	40 db

FE75

INTEGRAL FUME EXTRACTION IRON / 80 WATTS

- Fume extraction soldering pencil, 80 watts
- Compatible with any WRS rework system, WSL and WSD81 soldering stations
- Includes a 5 mm cylinder brush and a funnel for support when not in use
- Uses LT series tips found on page 5
- Order No. 0052916699
- Support stand AK20 (Order No. 0051503099)

0052916799
FUME EXTRACTION ADAPTER

- Fume extraction adapter for WSP80 soldering pencil
- Converts WSP80 soldering pencil into a fume extraction pencil

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AKFE11
FUME EXTRACTION ADAPTER KIT

- Fume extraction adapter kit for W100PG, WP25, WP30, WP35, W60P, TC201T irons
- For use with Weller® Fumex® system
- Complete with plastic ESD tubing
- Detailed operating instructions included

ECMFE
FUME EXTRACTION ADAPTER

- Fume extraction adapter for EC1302 and EC1503 soldering pencils

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0058751818
FUME EXTRACTION ADAPTER

- Fume extraction adapter for WMRP soldering pencil

0052918299
FUME EXTRACTION ADAPTER

- Fume extraction adapter for WP80 soldering pencil

Weller®

PROFESSIONAL

SOLDERING IRONS / 25 WATT / 30 WATT / 35 WATT

- Ideal for a wide variety of electronic tasks
- Uses ST series long life double-coated iron-plated tips- ST3 included-see page 43
- Quick change knurled collar, stainless steel barrel
- Cushion grip handle and plug-in heating element
- 6' 3-wire cord, iron is 7 7/8" long
- UL and cUL listed (120 VAC units only)

WP25

Catalog Number	Description
WP25	25 watts, 120 V, 750° F Professional soldering iron, 3-wire cord
WP30	30 watts, 120 V, 800° F Professional soldering iron, 3-wire cord
WP35	35 watts, 120 V, 850° F Professional soldering iron, 3-wire cord

CONTROLLED OUTPUT

SOLDERING IRONS / 60 WATT / 100 WATT

- Uses Weller "closed loop" method of controlling maximum tip temperature
- Portable line voltage iron - no base station required
- Stainless steel modular plug-in heater, greater efficiency and versatility
- Temperature is controlled by tip (600° F, 700° F, and 800° F tips)
- Nominal heat-up time with 700° F tip is 110 seconds
- Uses CT series tips found on page 43
- Heating element type: Nichrome wound, plug in
- UL and cUL listed
- Fume extraction adapter kit available- Cat. No. AKFE11

W60P

W100PG

Catalog Number	Description
W60P	60 watts, 120 V, 700° F 2-wire soldering iron with CT5A7 tip
W60P3	60 watts, 120 V, 700° F 3-wire soldering iron with CT5A7 tip
W100PG	100 watts, 120 V, 700° F heavy duty 2-wire soldering iron with CT6F7 tip
W100P3	100 watts, 120 V, 700° F heavy duty 3-wire soldering iron with CT6F7 tip

TCP12P

CONTROLLED-OUTPUT FIELD SOLDERING IRON

- Versatile controlled tool for field servicing
- Operates from 12 volt batteries or low voltage power source
- Complete with battery clips and 12' fused cord
- Soldering iron comes with PTA7 tip, creates 700° F temperature
- UL and cUL listed

TIPS

ST SERIES TIPS FOR WP25 / WP30 / WP35 IRONS
TINNED WITH LEAD FREE SOLDER
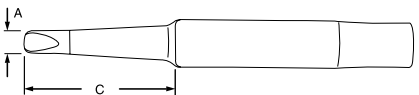
SCREWDRIVER

	A		C	
Cat No.	IN.	MM	IN.	MM
ST1	0.062	1.58	0.75	19.05
ST2	0.093	2.38	0.75	19.05
ST3	0.125	3.17	0.75	19.05
ST4	0.187	4.74	0.75	19.05
ST6	0.031	0.79	0.75	19.05
ST8	0.062	1.58	0.75	19.05
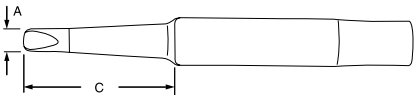
SINGLE FLAT

	A		C	
Cat No.	IN.	MM	IN.	MM
ST5	0.031	0.79	0.75	19.05
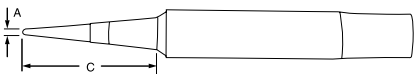
CONICAL

	A		C	
Cat No.	IN.	MM	IN.	MM
ST7	0.031	0.79	0.75	19.05

TIPS

CT SERIES TIPS FOR W60P AND W100P IRONS
TINNED WITH LEAD FREE SOLDER
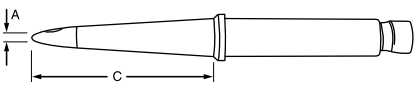
CT5 SERIES SCREWDRIVER

CT6 SERIES SCREWDRIVER

600° F Cat. No.	700° F Cat. No.	800° F Cat. No.	900° F Cat. No.	FITS IRON	A IN.	MM	C IN.	MM
-	CT5A7	CT5A8	-	W60P	0.062	1.58	1.15	29.36
-	-	CT5B8	-	W60P	0.093	2.38	1.15	29.36
-	CT5C7	CT5C8	-	W60P	0.125	3.17	1.15	29.36
-	CT5D7	CT5D8	-	W60P	0.187	4.74	1.15	29.36
-	CT5E7	CT5E8	-	W60P	0.250	6.35	1.15	29.36
CT6C6	CT6C7	CT6C8	-	W100P	0.125	3.17	1.37	34.92
CT6D6	CT6D7	CT6D8	-	W100P	0.187	4.74	1.37	34.92
CT6E6	CT6E7	CT6E8	-	W100P	0.250	6.35	1.37	34.92
CT6F6	CT6F7	CT6F8	CT6F9	W100P	0.375	9.52	1.37	34.92
-	CT6G7	-	-	W100P	-	-	1.37	34.92

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WM120

THIN SOLDERING IRON / 12 WATT

- Lightweight, pencil thin soldering iron with stay-cool handle
- Designed for soldering miniature components
- Develops tip temperature of 800° F
- 3-wire grounded plug
- Uses Weller MP series auto slide-in tips
- UL listed

TIPS TINNED WITH LEAD FREE SOLDER

CONICAL

	A		C	
Cat No.	IN.	MM	IN.	MM
MP131	0.015	0.39	0.43	11.09

SINGLE FLAT

	A		C	
Cat No.	IN.	MM	IN.	MM
MP133	0.031	0.79	0.43	11.09

STANDARD SERIES

MODULAR SOLDERING IRONS

- Modular soldering irons utilize interchangeable handles, heaters and tips
- 3-wire grounded
- Uses 9800 or 8800 iron holder
- UL and cUL listed

SL325

Catalog Number	Description
SL325	Modular soldering iron with 7400 handle, 537S heater, PL111 tip
SL335	Modular soldering iron with 7400 handle, 1237S heater, PL113 tip
SL345	Modular soldering iron with 7400 handle, 4037S heater, PL133 tip
SL500	Modular soldering iron with 7760 handle, 37UG heater, PL133 tip

HANDLES

STANDARD SERIES MODULAR SOLDERING IRON HANDLES

- Modular soldering irons utilize interchangeable handles
- Interchangeable heaters and tips for custom applications, maintenance
- Iron has 5' cord
- Feature cool, "soft touch", acid and flux resistant grips
- Uses 8800 iron holder
- UL and cUL listed
- 7400 and 7500 handle for SL325, SL335, and SL345 are 3-wire grounded
- 7770 handle (blue) is 2-wire ungrounded

7400

Catalog Number	Description
7400	Standard Series modular iron handle, 3-wire standard cord
7500	Standard Series modular iron handle, 3-wire burn resistant cord
7770	Standard Series modular iron handle (Blue), 2-wire standard cord
7760	Standard Series modular iron handle (Red), 2-wire standard cord

MODULAR HEATERS

WITH INTEGRAL TIP

- Used with Standard Series modular irons SL325, SL335, SL345 and SL500 and Standard Series Handles 7400, 7500, 7760, and 7770

Catalog Number	Description
33	Modular heater with long chisel tip, 50 watt, 1100° F
533S	Modular heater with long chisel tip, 23 watt, 800° F
1233S	Modular heater with integral long chisel tip, 33 watt, 900° F
1236S	Modular heater with pyramid tip, 33 watt, 900° F
4033S	Modular heater with long chisel tip, 45 watt, 1000° F
4039S	Modular heater with short chisel tip, 45 watt, 1100° F

MODULAR HEATERS

FOR THREAD-IN AND THREAD-ON TIPS

- Used with Standard Series modular irons SL325, SL335, SL345 and SL500 and Standard Series Handles 7400, 7500, 7760, and 7770

THREAD-IN TIPS

Catalog Number	Description
535S	Modular heater thread-in tip, 23 watt, 700° F
1235S	Modular heater thread-in tip, 33 watt, 800° F
535S	Modular heater thread-in tip, 45 watt, 900° F

THREAD-ON TIPS

Catalog Number	Description
37UG	Modular heater uses thread-on tip, 50 watt, 1000° F
537S	Modular heater thread-on tip, 23 watt, 700° F
1237S	Modular heater thread-on tip, 33 watt, 800° F
4037S	Modular heater thread-on tip, 45 watt, 900° F

HANDLES

DOUBLE INSULATED MODULAR SOLDERING IRON HANDLE

- Bio-mechanical handle design
- Has flexible heat-resistant, double insulated 2-wire cord set
- Soft touch cool, molded grip for operator comfort and control
- Twice the dielectric values of standard UL requirements

5550

MODULAR HEATERS

FOR DOUBLE INSULATED HANDLE

- Used with DI (double insulated) series 5550 two-wire handle

Catalog Number	Description
360	Modular heater uses thread-on tip, 27 watt, 700° F
361	Modular heater uses thread-on tip, 35 watt, 800° F
362	Modular heater uses thread-on tip, 45 watt, 900° F
363	Modular heater uses integral chisel-on tip, 45 watt, 1000° F

Weller®

TIPS

PL SERIES THREAD-IN STYLE TIPS FOR MODULAR HEATERS
TINNED WITH LEAD FREE SOLDER
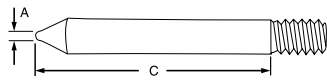
PENCIL

Cat No.	Type	A IN.	MM	C IN.	MM
100UG	Adapter	--	--	--	--
PL331	Plated	0.01	0.25	0.85	21.59
331	Bare Copper	0.01	0.25	0.85	21.59
7154	Plated	--	--	0.85	21.59
6960	Plated	0.01	0.25	0.42	10.66
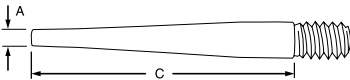
TAPERED NEEDLE

Cat No.	Type	A IN.	MM	C IN.	MM
PL338	Plated	0.05	1.27	0.94	23.87

CHISEL

Cat No.	Type	A IN.	MM	C IN.	MM
PL333	Plated	0.13	3.30	0.85	21.59
333	Bare Copper	0.12	3.04	0.85	21.59
7155	Plated	0.06	1.52	0.84	21.33

TIPS

PL SERIES THREAD-ON STYLE TIPS FOR MODULAR HEATERS
TINNED WITH LEAD FREE SOLDER
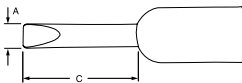
CHISEL

Cat No.	Type	A IN.	MM	C IN.	MM
PL113	Plated	0.13	3.30	0.66	16.76
PL153	Plated	0.20	5.08	0.56	14.22
PL350	Plated	0.40	10.14	--	--
113	Bare Copper	0.12	3.04	0.66	16.76
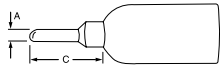
MICRO SPADE

Cat No.	Type	A IN.	MM	C IN.	MM
PL114	Plated	0.05	1.27	0.41	10.41
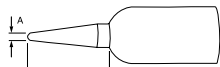
PRECISION

Cat No.	Type	A IN.	MM	C IN.	MM
PL100	Plated	0.05	1.27	0.45	11.43

STEPPED CHISEL

Cat No.	Type	A IN.	MM	C IN.	MM
PL155	Plated	0.07	1.77	0.66	16.76

LONG TAPER CHISEL

Cat No.	Type	A IN.	MM	C IN.	MM
PL133	Plated	0.20	5.08	0.56	14.22
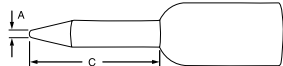
PENCIL

Cat No.	Type	A IN.	MM	C IN.	MM
PL111	Plated	0.03	0.76	0.66	16.76
PL153	Bare Copper	0.02	0.50	0.66	16.76
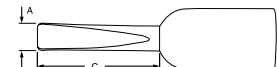
SCREWDRIVER

Cat No.	Type	A IN.	MM	C IN.	MM
PL151	Plated	0.13	3.30	0.66	16.76

TAPERED NEEDLE

Cat No.	Type	A IN.	MM	C IN.	MM
PL138	Plated	0.05	1.27	0.66	16.76

PORTASOL® C1C

CORDLESS BUTANE SOLDERING IRON AND KIT

- ■ Catalytic converter provides a powerful yet safe flameless combustion
- ■ Gas capacity allows up to 30 minutes continuous use
- ■ Refills with butane fuel - Weller® cat. no. WB1 or WB2
- ■ Safety cut-off switch when cap replaced
- ■ Sturdy plastic cap fits neatly on back of tool during use
- ■ C12 soldering tip included

C1C

C1CKC KIT

Complete kit contains; C1C iron with C12 tip, C13 and C14 tips, sponge, case

C SERIES TIPS FOR C1C AND C1CKC SOLDERING TOOLS

C1CKC
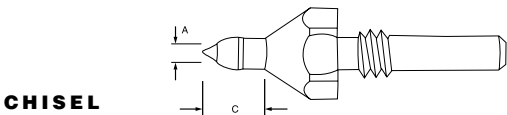
CHISEL

Cat No.	A IN.	MM	C IN.	MM
C12	0.120	3.17	1.705	43.31
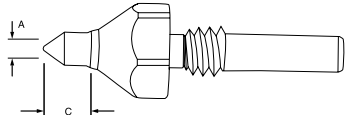
FINE

Cat No.	A IN.	MM	C IN.	MM
C13	0.120	3.17	1.705	43.31

PORTASOL® P2C

SELF-IGNITING CORDLESS BUTANE SOLDERING IRON AND KIT

- ■ A lightweight, compact cordless butane soldering and hot air tool
- ■ Piezo ignition with push-button ease & convenience, 25 watts to 75 watts
- ■ Fast heat-up for high productivity, melts solder in less than 40 seconds
- ■ Gas capacity allows up to 1 hour of continuous use
- ■ Refills in less than 20 seconds so you can stay on the job
- ■ Automatic cut-off switch when cap replaced for safety
- ■ Can be used as a mini-torch with flame tip

Portasol® is a registered trademark of Olgesby and Butler Limited

P2C

P2KC KIT

Complete Iron and Hot Air Tool kit contains; P2C iron with soldering tip, mini blow torch tip, hot knife tip, hot air tip and deflector, sponge and tray, storage case with tool holder, and instructions

P2KC

PPT SERIES TIPS FOR P2C AND P2KC SOLDERING TOOLS
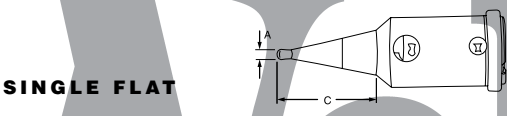
SINGLE FLAT

Cat No.	A IN.	MM	C IN.	MM
PPT1	0.031	0.79	0.460	11.68
PPT2	0.093	2.36	0.460	11.68
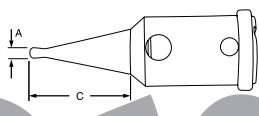
DOUBLE FLAT

Cat No.	A IN.	MM	C IN.	MM
PPT5	0.031	0.79	0.460	11.68
PPT6	0.093	2.36	0.460	11.68

PORTASOL® PSI100C

SUPER-PRO SELF-IGNITING CORDLESS BUTANE SOLDERING IRON AND KIT

- Self-igniting portable butane heat tool - professional quality
- Ideal for service technicians
- For such uses as anti-static soldering, heat shrink and cutting rope
- Features "Auto Switch" safety shut-off, and iron plated tips
- Butane fuel level is visible through a window on the body of the tool
- Rugged stainless-steel body provides up to 125 watts of power
- Adjustable temperature up to 1,076° F
- Operates up to 2 hours per refill
- Refills with butane fuel - Weller® cat no. WB1 or WB2

Portasol® is a registered trademark of Olgesby and Butler Limited

PSI100C

PSI100K KIT

Complete kit contains: PSI100 iron with PSI1 tip, PSI3 tip, PSI9 tip, PSI10 tip, sponge, case

PSI100K

PSI SERIES TIPS FOR PSI100C AND PSI100K SOLDERING TOOLS
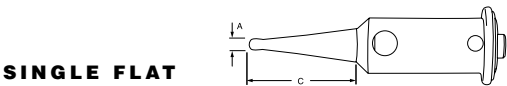
SINGLE FLAT

Cat No.	A IN.	MM	C IN.	MM
PSI1	0.031	0.79	0.640	16.26
PSI2	0.093	2.36	0.640	16.26
PSI3	0.125	3.18	0.640	16.26
PSI4	0.187	4.75	0.420	10.67

DOUBLE FLAT

Cat No.	A IN.	MM	C IN.	MM
PSI5	0.031	0.79	0.680	12.27
PSI6	0.093	2.36	0.680	12.27
PSI7	0.125	3.18	0.680	12.27
PSI8	0.187	4.75	0.680	12.27
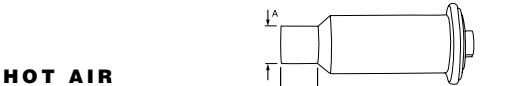
HOT AIR

Cat No.	A IN.	MM	C IN.	MM
PSI9	0.230	5.84	0.240	6.10
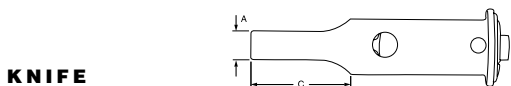
KNIFE

Cat No.	A IN.	MM	C IN.	MM
PSI10	0.195	4.95	1.485	37.62

PREMIUM BUTANE FUEL

- Premium quality butane fuel
- Compatible with Weller® Portasol® and Weller® Pyropen® tools
- Printed in English and Spanish with operating instructions on back of can

Catalog Number	Description
WB1	Premium butane fuel, 2.1 oz.
WB2	Premium butane fuel, 1.0 oz.

WPA2
PYROPEN® PROFESSIONAL SELF-IGNITING CORDLESS BUTANE SOLDERING IRON

- Ignites with the push of a button, ideal for field service jobs
- Lightweight and completely portable, ready to use in 30 seconds
- Sturdy metal tank holds enough butane gas for 3 hours of operation
- Temperature adjusts from 482° F to 932° F
- Refills with butane fuel - Weller® Cat. No. WB1 or WB2

HOT AIR TIPS

Cat No.	A IN.	MM	C IN.	MM
WHC51	0.17	4.27	0.24	6.10
WHC52	0.19	4.91	0.24	6.10

SPADE 35°

Cat No.	A IN.	MM	C IN.	MM
WPT8	0.08	2.00	0.65	16.51

CHISEL TIPS

Cat No.	A IN.	MM	C IN.	MM
WPT2	0.08	2.00	0.72	18.29
WPT11	0.32	8.00	0.55	14.00
WPT13	0.20	5.00	0.55	14.00

TAPER NEEDLE TIPS

Cat No.	A IN.	MM	C IN.	MM
WPT1	0.04	1.00	0.75	19.05
WPT5	0.04	1.00	0.72	18.29

WST2
PYROPEN® JUNIOR CORDLESS BUTANE SOLDERING IRON

- Lightweight mini iron
- Dual function soldering iron and brazing torch
- Soldering iron: 392° F - 842° F; Hot blow feature: 806° F maximum
- Torch feature: 2372° F maximum
- Includes soldering and hot air tips
- Refills with butane fuel - Weller® cat. no. WB1 or WB2

TAPER NEEDLE TIP

Cat No.	A IN.	MM	C IN.	MM
WPT15	0.02	0.51	0.55	14.00

HOT AIR TIP

Cat No.	A IN.	MM	C IN.	MM
WHC54	0.06	1.50	--	--

WSTA3
PROFESSIONAL CORDLESS BUTANE SOLDERING IRON

- Lightweight and completely portable
- Ready to use in 30 seconds
- Ideal for field service jobs
- Sturdy metal tank holds enough gas for three hours of operation
- Temperature adjusts from 392° F - 932° F
- Refills with butane lighter gas - Weller® cat. no. WB1 or WB2

NOTE: For tips used on this tool, please refer to the WPA2 tool at the top of this page.

WSTA6
JUNIOR CORDLESS BUTANE SOLDERING IRON

- Self-ignition finger switch - no sparklighter required
- Temperature control gives you adjustment equivalent to 15 to 60 watts
- Tank can hold enough gas for one hour of operation
- 30 second heat-up time
- Includes soldering and hot air tips
- Refills with butane lighter gas - Weller® cat. no. WB1 or WB2

TAPER NEEDLE TIP

Cat No.	A IN.	MM	C IN.	MM
WPT01	0.04	1.00	0.55	14.00

ML100

MAGNA-LITE MINI BUTANE TORCH

THE WELLER ADVANTAGE:

The first micro torch engineered for performance and durability.

FEATURES AND BENEFITS:

- Electronic trigger activates fast, reliable piezo ignition and LED work light
- Integrated bright blue LED illuminates when trigger is pressed; improved visibility in low light situations
- Spring loaded cap flips open the moment the trigger is pressed, providing additional wind protection. Cap snaps securely closed when not in use.
- Translucent body makes checking fuel level easy
- Adjustment dial lets user control flame height and level of heat output
- Convenient key chain lanyard
- Weighs just 1.3 ounces and is less than three inches long
- Generates a 2,400°F (1,300°C) flame that lasts up to 25 minutes on a single fuel charge
- Refills quickly with Weller® butane fuel – cat. no. WB1 or WB2
- Childproof safety trigger approved by the U.S. Consumer Product Safety Commission

ML200

MAGNA-LITE TABLE TOP BUTANE TORCH

THE WELLER ADVANTAGE:

A powerful performer in a compact package.

FEATURES AND BENEFITS:

- Electronic trigger activates fast, reliable piezo ignition
- Adjustable flame height
- Generates a 2,400°F (1,300°C) flame that lasts up to 60 minutes on a single fuel charge
- Refills quickly with Weller® butane fuel – cat. no. WB1 or WB2
- Childproof safety trigger approved by the U.S. Consumer Product Safety Commission

CHT100

COLD HEAT PRO CORDLESS SOLDERING TOOL

THE WELLER ADVANTAGE:

Heats instantly, cools quickly

FEATURES AND BENEFITS:

- Using the patented Cold Heat™ system, the Weller Pro Cordless melts solder instantly and is cool to the touch in seconds
- Tins wires as large as 12 gauge and joins wires from 18-25 gauge
- Average yield of 700 solder joints per five pack of AA alkaline batteries (not included)
- Rugged polycarbonate case
- High/Low/Off power switch
- Bright white LED work light; red "in use" indicator light
- Replaceable plastic cap protects the tip while not in use
- Comes with CHT3 61° angle chisel tip

CHT1 BEVEL TIP
50° angle

CHT2 CONICAL TIP
61° angle

CHT3 CHISEL TIP
61° angle
(included with CHT100)

6966C

LIGHTWEIGHT HEAT GUN 250 WATTS / 120 VOLTS

THE WELLER ADVANTAGE:

Weighing in at less than a pound, this ESD safe heat gun is perfect for repetitive or continuous use in production plants, labs, and electronics service facilities.

Hot air temperature
at nozzle ~ 750° F - 800° F

Three-position switch…
HOT – OFF – COOL

Hook for attaching
to a spring balance

FEATURES AND BENEFITS:

- Heavy duty heater and fan components for long service life
- Light weight for reduced operator fatigue
- Perfect for shrink tubing and vinyl/T.F.E., epoxy curing, drying, and cooling

6966C Components & Specifications

Weight	13 oz. (.368 kg)
Voltage	120 V
Power Consumption	250 W
Temperature Range	750° F – 800° F (399° C – 427° C) Approximate temperature at nozzle
ESD Safe	Yes
Cord Type	Three-wire grounded
Cord Length	6 ft. (1.8 m)
UL and cUL Listed	Yes

6966C ACCESSORIES

6956	6957	6958	6964	6965A

Catalog Number	Description
6956	Reflector (.50")
6957	Reflector (1.50")
6958	Reducing Baffle
6964	Precision Reflector, 0.20"
6965A	Heat Gun Wire Stand

Weller®

6970

HEAVY DUTY HEAT GUN / 750 WATTS

- Heavy-duty heat gun with long-life heater and motor
- Softening and forming plastic laminates
- Removing paints and finishes
- Heat shrinking cables and terminals
- Curing epoxy and loosening adhesives
- 3-wire grounded 6' power cord
- Dual temperature: 1000° F (750 W) and 700° F (350 W); 3-way switch (Hi - Off - Low)
- Lightweight, 28 oz.
- UL and cUL Listed

1095/6970 ACCESSORIES

1080	1082	6959	1085

Catalog Number	Description
1080	Reducer for concentrating heat
1082	Reflector for heat shrink tubing/caps
6959	Adapter for 6966C baffles for use with 1095 Gun
1085	Baffle kit containing Reducer, Reflector, Flame Spreader

1095

STANDARD DUTY HEAT GUN / 1000 WATTS

- Dual temperature, economical heat gun, ideal for most heat gun applications
- Applying heat shrinking products
- Curing epoxy and softening adhesives
- Drying, thawing frozen pipes
- Softening and molding plastics
- Heating liquids and stripping paint
- Dual temperature 1200° F (1000 W) and 790° F (400 W); 3-way switch (Hi - Off - Low)
- 3-wire grounded plug 6' power cord
- Lightweight, 22 oz. with cord
- UL and cUL Listed

7805
SOLDER-OFF DESOLDERING BULB

- Desoldering bulb with T.F.E. tip
- Facilitates accurate printed circuit repair and cleaning
- May be used with soldering iron

FLUX SOLVENT DISPENSERS

- Flux solvent dispenser, 0.020" needle
- Avoid spills and waste and place flux precisely where needed
- Squeeze bottle dispenses 1 drop of liquid through stainless steel needle
- Dispenses resin, flux, and oil solvent

Catalog Number	Description
FD2	Flux dispenser, 0.020" needle
FD21	Needle, 1" x 0.008"
FD21D	Flux dispenser, 0.008" needle, ESD Safe
FD21DN	Needle, 1" x 0.008", ESD Safe (10 Needles/pkg.)
FD22	Flux dispenser, 0.050" needle
FD2D	Flux dispenser, 0.020" needle, ESD Safe
FD22DN	Needle, 1" x 0.050", ESD Safe (10 Needles/pkg.)
FD3	Flux dispenser, Tri-Tip

SCRUB-IT™ SOLVENT DISPENSERS

- Distributes solvent through a nylon brush
- For cleaning printed circuit boards and other connections
- No mess, no waste
- Dispenser holds 2 oz.

Catalog Number	Description
SD74	Scrub-it dispenser, nylon bristles
SD74H	Scrub-it dispenser, nylon bristles, ESD Safe

Weller ®

WA2000
SOLDERING IRON ANALYZER

■ Checks either temperature stability or absolute temperature

■ Portable unit with long battery life

■ Use contact pyrometer for monitoring stability

■ Accurately measures iron resistance from tip to ground post on plug

■ Tip to ground noise induced by iron: low level voltage measurable from working area of tip to ground

Soldering iron not included

CP01
20 GA. CONTACT PYROMETER

■ Plugs in to WA2000 analyzer

■ Used to monitor temperature stability

K111
TYPE K THERMOCOUPLE ASSEMBLY WITH ETA TIP

■ Connects soldering pencil to WA2000 analyzer

■ Compatible with PES51 soldering pencil

■ TINNED WITH LEAD FREE SOLDER

K121
TYPE K THERMOCOUPLE ASSEMBLY WITH EPH107 TIP

■ Connects soldering pencil to WA2000 analyzer

■ Compatible with EC1302A soldering pencil

■ TINNED WITH LEAD FREE SOLDER

K181
TYPE K THERMOCOUPLE ASSEMBLY WITH LTB TIP

■ Connects soldering pencil to WA2000 analyzer

■ Compatible with WSP80 soldering pencil

■ TINNED WITH LEAD FREE SOLDER

K191
TYPE K THERMOCOUPLE ASSEMBLY WITH NTB TIP

■ Connects soldering pencil to WA2000 analyzer

■ Compatible with WMP soldering pencil

■ TINNED WITH LEAD FREE SOLDER

K1101
TYPE K THERMOCOUPLE ASSEMBLY WITH RT4 TIP

■ Connects soldering pencil to WA2000 analyzer

■ Compatible with WMRP soldering pencil

■ TINNED WITH LEAD FREE SOLDER

MANUAL DESOLDERING PUMPS

7880 MANUAL DESOLDERING PUMP

■ Powerful, heavy-duty, spring-loaded vacuum for complete solder removal

■ Design includes cushioned plunger, easy thumb activation and ribbed pencil grip

■ Heat resistant Teflon* tips

■ Replacement tip: 7882BK

* Teflon is a Registered Trademark of DuPont

7881 MANUAL DESOLDERING PUMP

■ Powerful, heavy-duty, spring-loaded vacuum for complete solder removal

■ Design includes cushioned plunger, easy thumb activation and ribbed pencil grip

■ Constructed of static-dissipative material with surface resistivity of 109 ohms/sq. for component protection

■ Replacement tip: 7883

7874B MANUAL DESOLDERING PUMP

■ One hand operation with spring-loaded piston provides ESD safe, solder removing vacuum

■ Self-cleaning, non-clogging, static-free replaceable tip

■ Replacement tip: 7875B

WCB1
SOLDERING STATION CONTROL MODULE

■ Compatible with WMRS, WSD81, WSD161, WSL, and WSL2 soldering stations

■ Allows user to activate advanced features such as operator lockout, temperature offset, temperature set back, ° F/° C switching, and temperature range window

■ Three digit LED display

■ Powered by four "AA" alkaline batteries (included)

■ Order No. 0053118299

ESF120ESD
CIRCUIT BOARD VICE

■ Safely and securely hold circuit boards during soldering and rework applications

■ For holding circuit boards up to 160 x 235 MM

■ Allows 360 degree rotation in 15 degree increments

■ Components are held in place by a cushioned arm

■ Order No. 0051502699
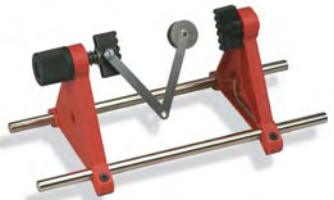
Weller®

0051303099
ANTI-SEIZE LUBRICANT

■ Specially formulated lubricant to prevent desoldering tip thread seizu[re]
  when operating at high temperatures

■ 1/2 ounce tube

■ Ideal for use at 900° F or lower

SM1
SOLDER-MATE™ DISPENSER

■ Durable dispenser minimizes core solder usage

■ Eliminates operator downtime, provides continuous solder wire

■ Holds 1 pound solder spool (solder not included)

WLSK200
VACUUM PICK-UP PEN

■ For handling small electronic components

■ Replaceable suction cup tips

■ Pocket clip for portability

WPB1
TIP POLISHING BAR

■ Cleans and renews soldering tips.

■ Removes plastic resins, oxidation, silicone grease and other
  chemicals from tip.

■ Re-tin tip after use to prevent oxidation.

WDC
SOLDERING DRY CLEANER

■ Safely cleans soldering tip without thermal shock.

■ Cleans tip without water with the use of a special metal wool ball.

■ Order No. 0051512499.
  Replacement wools- Order No. 0051382499 (2 pack)

Weller ®

COOPER Hand Tools

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

www.cooperhandtools.com/weller