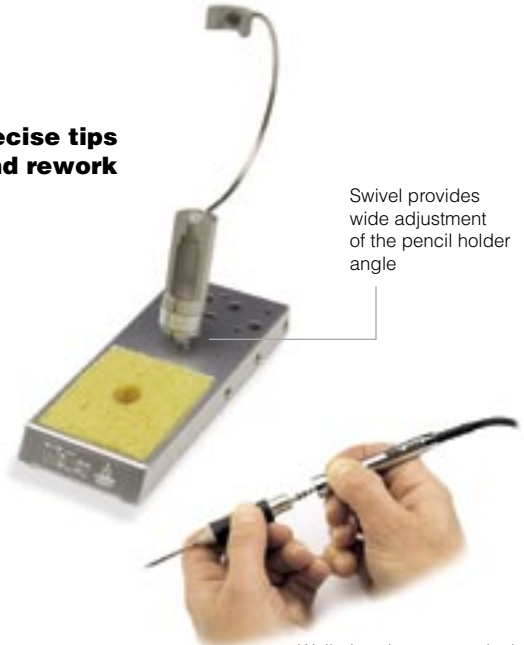


WMRS

MICRO REWORK STATION www.action-electronics.com/weller.htm

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.



Swivel provides wide adjustment of the pencil holder angle

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

Weller's unique stereo jack tip plug system is fast, convenient, and secure



Just 45 mm tip-to-grip, so you're close to the work

Chrome-plated aluminum pencil weighs just 75 g



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
- The latest software-controlled digital electronics provide improved temperature control
- When placed in the stand, pencil has auto-off, or temperature setback capability for extended tip life
- Pencil uses RT tips
- Optional WCB1 control module provides temperature lock-out for process control, temperature set-back for extended tip life, and ° F to ° C conversion

Components and Specifications:

WMRS Power Unit

Voltage 120 V (input); 24 V (output)
 Temperature Range 150° F - 850° F (50° C - 450° C)
 Dimensions 6.5 x 4.5 x 4.0 in. (165 x 115 x 91 mm)
 Temperature Accuracy +/- 9° F (+/-5° C)
 Temperature Stability +/- 10° F (+/-6° C)
 ESD Safe Yes

WMRP Pencil

Power Consumption 40 W
 Cord Length 4 ft. (1.22 m)
 Supplied Tip RT1 (Order No. 0054460199)
 Supplied Stand WMRH (Order No. 0051514599)

RT SERIES TIPS FOR WMRP PENCIL TINNED WITH LEAD FREE SOLDER

NEEDLE

Cat No.	Order No.	A		B	
		IN.	MM	IN.	MM
RT1	0054460199	-	-	-	-

FINE POINT

Cat No.	Order No.	A		B	
		IN.	MM	IN.	MM
RT2	0054460299	0.02	0.40	-	-

CHISEL

Cat No.	Order No.	A		B	
		IN.	MM	IN.	MM
RT3	0054460399	0.05	1.30	0.02	0.40
RT4	0054460499	0.06	1.50	0.02	0.40

BENT CHISEL

Cat No.	Order No.	A		B	
		IN.	MM	IN.	MM
RT5	0054460599	0.03	0.80	0.02	0.40

ROUND SLOPED

Cat No.	Order No.	A		B	
		IN.	MM	IN.	MM
RT6	0054460699	0.05	1.20	-	-

KNIFE

Cat No.	Order No.	A		B	
		IN.	MM	IN.	MM
RT7	0054460799	0.11	2.80	-	-



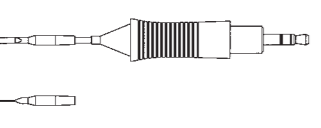
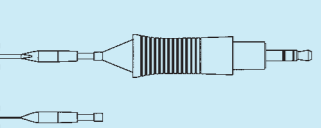

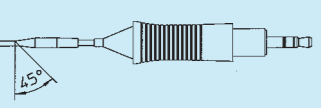
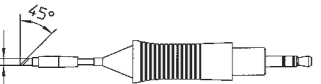


Weller®

RT series soldering tips for the WMRP micro soldering pencil

RT series soldering tips are specially designed for microsoldering tasks and microscope workstations. Of course, they can also be used with lead-free solder.

Changing soldering tips is quick, easy and, most importantly, requires no tools. Just pull out the old tip, insert the new one, and continue soldering. Thanks to its short heat-up time, the soldering pencil is ready to use again right away!

	Model	Description	Width A	Thickness B	Order No.
	RT 1	Needle tip	–	–	0054460199
	RT 2	Point tip	Ø 0.4 mm	–	0054460299
	RT 3	Chisel shape, straight	1.3 mm	0.4 mm	0054460399
	RT 4	Chisel shape, straight	1.5 mm	0.4 mm	0054460499
	RT 5	Chisel shape, bent, 30°	0.8 mm	0.4 mm	0054460599
	RT 6	Round shape, beveled, 45°	Ø 1.2 mm	–	0054460699
	RT 7	Knife tip, 45°	2.2 mm	–	0054460799

WMRS Soldering and Rework Station



WMRS

WCB1 Control Module (optional)



WCB1

Consists of:

- WMRS power unit
- WMRP soldering pencil (Order No. 0052917199)
- WMRH rest with Stop+Go function (Order No. 0051514599)
- RT1 soldering tip (Order No. 0054460199)

The WCB1 control module is an external input device for programming additional functions for all Weller digital soldering, hot air, and desoldering stations. The battery-operated device does not require an external power supply and is easy to transport. The WCB1 has the following input options:

- OFFSET: In case of discrepancy between the temperature displayed and that measured at the soldering tip, allows a correction value to be entered so that the setpoint and actual values agree.
- SETBACK: Lowers the setpoint temperature after a user-definable time period.
- LOCK: Locks the setpoint temperature.
- °C / °F: Switches the temperature display between °C and °F.

Weller®

COOPER Hand Tools

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

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Fax: 800-854-5137

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Phone: 919-362-7542
Fax: 800-854-5138

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Fax: 800-546-7312

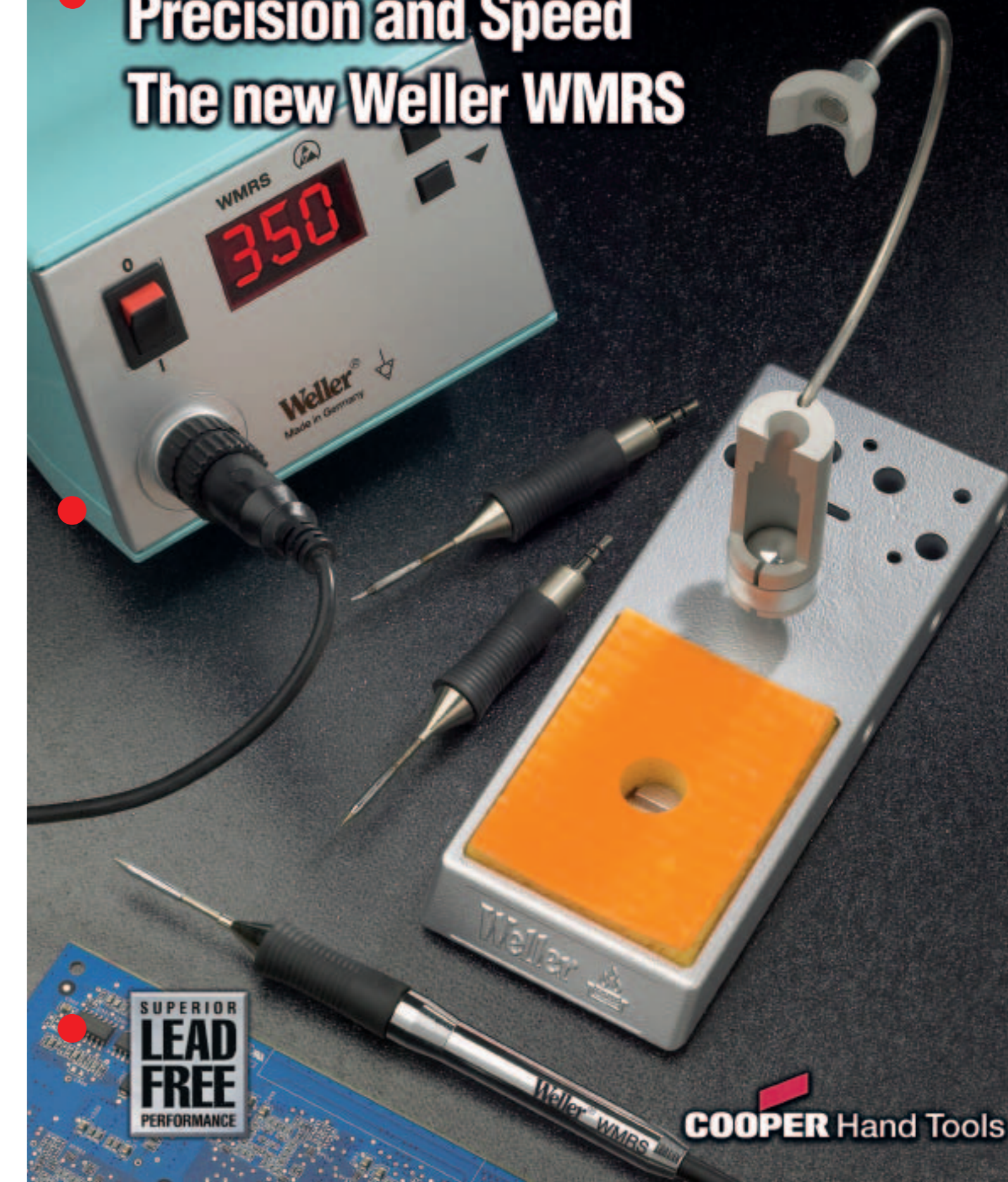
All other USA inquires
Fax: 800-423-6175

www.cooperhandtools.com

Weller®

Precision and Speed

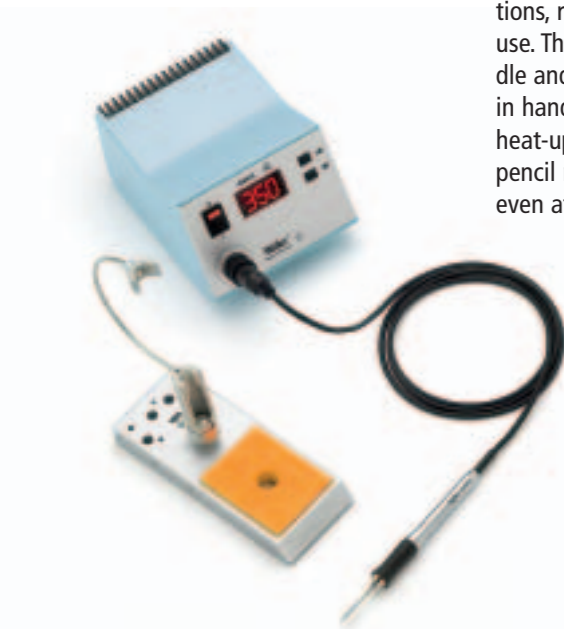
The new Weller WMRS



COOPER Hand Tools

The new Weller WMRS

The solution for demanding soldering tasks on densely-packed circuit boards, microsoldering applications, and microscope workstations.



The Weller WMRS was specially developed for industrial production applications, rework and repair, and laboratory use. The short distance between the handle and tip allows the utmost precision in handling, and the extremely short heat-up time of the WMRP soldering pencil makes it ready to use right away, even after a tool-free tip change.

The digital control electronics of the supply unit detect all other electronically controlled Weller soldering tools up to 80 W, and automatically set the optimal control parameters for each.

Specifications



- Voltage: 120 v (input); 24 v (output)
- Footprint: 6.5 x 4.5 x 4.0 in. (65 x 115 x 91 mm)
- Power consumption: 80 W
- Temperature range: 150°F - 850°F or 50°C - 450°C
- Accuracy of soldering pencil: +/- 9°F (+/- 5°C)
- Temperature stability: +/- 9°F (+/- 5°C)
- ESD safe

Small + Handy

The very short distance between tip and handle (tip-to-grip 45 mm) allows precise, highly accurate work on the smallest soldering joints and components.

The small, precisely manufactured tip dimensions (ranging from a needle point to 2.2 mm) do not obstruct the user's view and are ideally suited to the finest work, even under a microscope.

The heating element is built into the tip, ensuring that, even in the smallest needle tip, the heat is delivered quickly and precisely to the soldering joint.

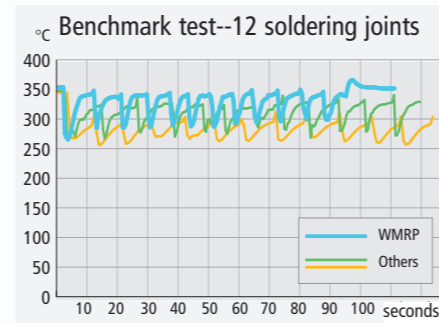
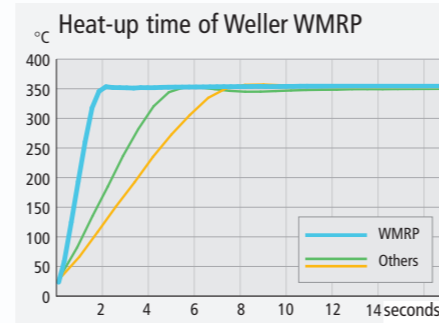


Precision and speed

Quick + Versatile

The WMRP soldering pencil has an extremely short heat-up time. (Approx. 2 seconds from standby to setpoint temperature!) 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 supply unit.

The heating element and sensor are built into the tip. This provides not only a quick heat-up time, but also perfect temperature stability. The sensor is located right at the tip, meaning that it can react with lightning speed while under load and supply the energy required. The recovery time is minimized.



Changing soldering tips is quick, easy, and, most importantly, requires no tools. Just pull out the old tip, insert the new one, and continue soldering. Thanks to its short heat-up time, the soldering pencil is ready to use again immediately!

The range of available soldering tips includes needle, round, and chisel shapes, as well as knife tips. You can choose the tip that best suits each of your tasks.

Specifications

Power Consumption	40 w
Cord Length	4 ft. (1.22 m)

Weller's unique stereo jack plug system is fast, convenient, and secure.



Ergonomic + Economical

The small, lightweight (just 75 g) construction of the WMRP soldering pencil makes work both easy and comfortable.

The WMRH safety rest has been designed with the latest ergonomic considerations in mind. Though it may appear unusual at first glance, the special geometry of the holder actually relieves the wrist of a substantial amount of strain. It avoids the usual turning and tilting motions, giving the user's wrist a break. The holder can be adjusted individually with a ball-and-socket joint at the base.

The built-in Stop+Go function in the safety rest reduces the temperature of the tip when the pencil is inserted. For this function, you can choose between "Off" or "Standby" (20 min.) on the unit. This substantially increases the service life of the soldering tips and prevents oxidation of the tip during long pauses between work. The power unit restarts automatically when the pencil has been taken out of the rest. Thanks to the extremely quick heat-up time, the tip returns to the set temperature in an instant, and the micro solder-socket joint at the base.

