Weller®

Get Rock-Solid Temperature Control

This low cost station maintains nozzle temperature, regardless of hot air flow rate



COOPER Hand Tools

WHA900

UNMATCHED CONTROL

With 650 watts of power, internal air adjustable from 5 L/min. to 50 L/min. and temperature variable from 100ºF to 1,000ºF, the new Weller® WHA900 Hot Air Station is a solid performer. But what really puts the WHA900 ahead is its closed-loop temperature feedback control that maintains the temperature at the nozzle, independent of the airflow rate.

THE SECRET IS THE SENSOR

The WHA900 has a sensor located ***at the nozzle*** that continuously samples the temperature and instantly adjusts the heat output to maintain the temperature you've pre-selected. So you don't have to readjust the temperature every time you change the airflow rate. Set it once and forget it. So your rework production increases and your reject rate goes down.
That's the Weller Advantage.



The WHA900 is the only unit in its class that has a temperature and air flow setback than can be pre-selected by the user. Plus it's the only unit that features a temperature offset control that fine-tunes the hot air temperature right at the tip when an ultra-precise temperature is required for thermocoupled component removal.



NOZZLES

FOR EVERY APPLICATION

Whether you are replacing SMD components with external solder connections or other types of components such as SMT bases or PGAs, Weller provides you with the solution to your rework challenges.

PATENTED NOZZLE TECHNOLOGY

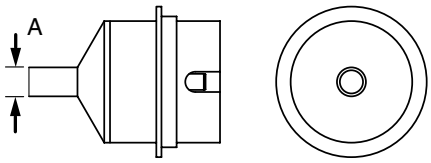
When removing defective SMD components, the need to prevent damage to the circuit board and adjacent components is critical. In order to accomplish this, Weller systems use conducted heat from an integral hot plate to heat the defective component to a temperature just below the solder melting point. Weller nozzles then direct hot air precisely onto the legs of the component to melt the solder joint, allowing removal of the component. This combination of conducted heat and precision-placed hot air is especially suitable for lead free solders with higher melting points.



SUPERIOR LEAD FREE PERFORMANCE

WHA900 Technical Specifications:

Mains Voltage	120 VAC
Power Consumption	750 W
Hot Air Pencil Output	650 W
Temperature Range	100° F – 1,000° F 50° C – 550° C
Control Accuracy	+/- 86° F +/- 30° C
Pump Noise Level	52.5 dbA @ 24 L/min.
Air Flow Volume	5 - 50 L/min.
Dimensions	8.125 x 6.625 x 4.25 in. 206 x 168 x 108 mm
Weight	6.4 lb. 2.9 kg
Hot Air Pencil Length	7.625 in. 194mm
Closed-loop Temperature Control	Yes
Temperature Setback	Yes
Temperature Offset	Yes
Power-on LED Indicator	Yes
ESD Safe	Yes



ROUND (NO VACUUM)

Cat No.	A IN.	A MM
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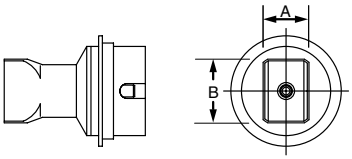
0058736867	0.157	4.00
0058736870	0.276	7.00

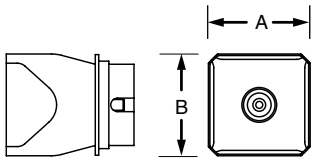


2-SIDES HEATED

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

CSF REPLACEMENT RUBBER INSERTS

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



4-SIDES HEATED

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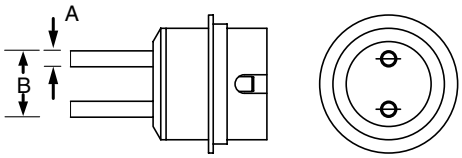
0058736839	0.433	11.00	0.433	11.00
0058736818	0.583	14.80	0.583	14.80
0058736814	0.709	18.00	0.709	18.00
0058736807	0.807	20.50	0.807	20.50
0058736804	1.024	26.00	1.024	26.00
0058736833	1.260	32.00	1.260	32.00
0058736838	0.394	10.00	0.571	14.50
0058736880Δ	0.472	12.00	0.945	24.00
0058750721	0.669	17.00	0.925	23.50



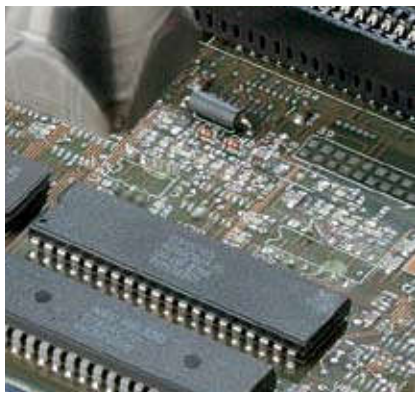
ROUND DUAL (NO VACUUM)

Cat No.	A IN.	A MM	B IN.	B MM
0058736883	0.098	2.50	0.374	9.50

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







Weller®

www.cooperhandtools.com/weller

ACCESSORIES

EXCHANGE TOOL

0051504999 Nozzle Exchange Tool allows user to change out extremely hot nozzles without waiting for them to cool.





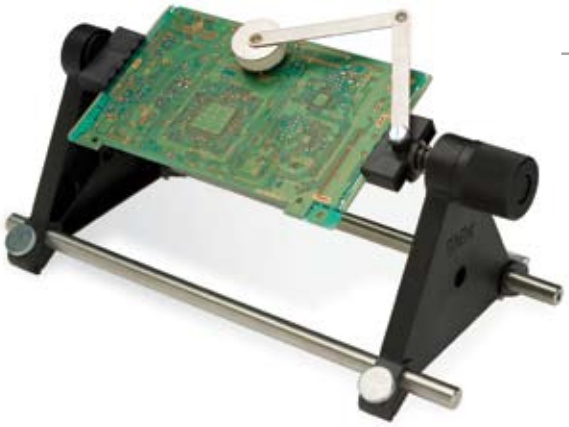
PENCIL STAND

0051504599 Hot Air Pencil Stand provides solid anti-static support for the WHA2000 hot air pencil.



NOZZLE RACK

0051504899 Hot Air Nozzle Rack organizes hot air nozzles for easy access; accepts even extremely hot nozzles.



BOARD HOLDER

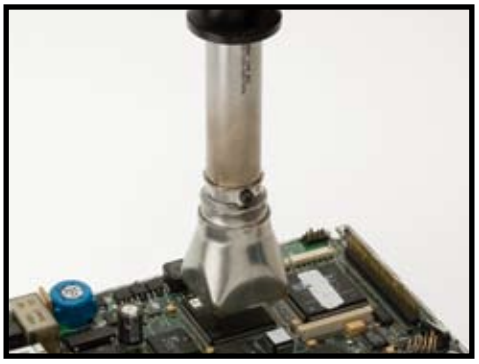
0051504699 ESD Safe Circuit Board Holder holds PCBs up to 160 mm x 235 mm; allows 360° rotation in 15° increments. Components held in place by a cushioned arm.



VACUUM PEN

WLSK200 manually operated Vacuum Pick-up Pen picks up components with the push of button.





Effeciently desolders QFP's and other SMT components



Controls are simple to use

GET THE ADVANTAGE

When it comes to the safe removal of larger, high lead-count SMD components and the capability to handle numerous other hot air applications, the WHA900 gets it done like no other station. It's the only unit in its class to have features like these…

- Closed-loop temperature feedback control that maintains the temperature at the nozzle, independent of the airflow rate
- User-selected temperature and air flow setback
- Temperature offset control that fine-tunes the hot air temperature

Get the Weller Advantage. Get the new WHA900.

COOPER Hand Tools

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

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