

WRS4000 Four-function Rework and Repair System



The Weller Advantage

- 400 watts of total power over four independently controlled channels (100 watts per channel) plus air and vacuum ports allows you to use up to four 100-watt tools simultaneously: soldering, desoldering, hot air, and thermal tweezers
- Vacuum delay feature on the desoldering tool allows the solder to reach the solder collection chamber before the vacuum is shut off to avoid clogging

WRS4000 includes: *WRS3000* control unit, *WRS1001* control unit, *WSP80* soldering pencil, *WPH80* stand and sponge, *DSV80* in-line desoldering pencil, *AKV* stand and sponge, *WTA50* thermal tweezers, *AK51* stand and sponge, *HAP1* hot air pencil, *PH60* stand and sponge.

Applications:

- Production, rework, and repair of through hole and SMT boards. Contact removal of IC's and QFP's using specialty SMT tips. Applications requiring non-contact hot air. Heavy ground planes and multi-layer boards. Lead-free solder applications.

Additional Product Features and Benefits:

- Built-in pump provides both air for the hot air tool and vacuum for the desoldering tool
- Microprocessor with digital read-out gives you complete accuracy and reliability
- Temperature set-back can be programmed with the built-in timer from 5 to 60 minutes in 5 minute intervals
- Air flow for the hot air tool and vacuum for desoldering are activated by a finger switch on the tools
- Lock-out key to maintain process control for set parameters
- Full range of soldering tips (page 9), desoldering tiptlets (page 16), hot air nozzles (page 21), and thermal tweezers tips (page 21) are available
- Special ionizing circuit assures that hot air is static free to protect sensitive components

WRS5000 Five-function Rework and Repair System

The Weller Advantage

- 400 watts of total power over four independently controlled channels (100 watts per channel) plus air and vacuum ports allows you to use up to six tools simultaneously: soldering, desoldering, hot air, and thermal tweezers, dispensing, and vacuum pickup
- Vacuum delay feature on the desoldering tool allows the solder to reach the solder collection chamber before the vacuum is shut off to avoid clogging



WRS5000 includes: *WRS3000* and *WRS2000* control units, *WSP80* soldering pencil, *WPH80* stand and sponge, *DSV80* in-line desoldering pencil, *AKV* stand and sponge, *HAP1* hot air pencil, *PH60* stand and sponge, *WTA50* thermal tweezers, *AK51* stand and sponge, vacuum pencil, syringe and needle, vacuum pencil and syringe stand

Additional Product Features and Benefits:

- Built-in pump provides both air for the hot air tool and vacuum for the desoldering tool
- Microprocessor with digital read-out gives you complete accuracy and reliability
- Temperature set-back can be programmed with the built-in timer from 5 to 60 minutes in 5 minute intervals
- Air flow for the hot air tool and vacuum for desoldering are activated by a finger switch on the tools
- Includes a vacuum pickup wand for handling components
- Dispensing and vacuum pickup wand utilize fast-acting shop air
- Timer on the front panel allows dispensing in timed intervals
- Lock-out key to maintain process control for set parameters
- Full range of soldering tips (page 9), desoldering tiplests (page 16), hot air nozzles (page 21), and thermal tweezers tips (page 21) are available
- Special ionizing circuit assures that hot air is static free to protect sensitive components

Applications:

- Production, rework, and repair of through hole and SMT boards. Applications requiring non-contact hot air. Heavy ground planes and multi-layer boards. Solder paste, epoxy, silicone, and potting compound dispensing applications. Lead-free solder applications.



The WSP80 in use on a surface mount PCB.



Non-contact soldering with the HAP1 hot air pencil.



The WTA50 is perfect for removing Melf's from a SMT board.

WRS7000 Seven-function Rework and Repair System



The Weller Advantage

- Over 1200 watts of total power over five independently controlled channels (100 watts per channel) plus air and vacuum ports allows you to use up to seven tools simultaneously: soldering, desoldering, small hot air pencil (100W), large hot air pencil (700W), thermal tweezers, dispensing, and vacuum pickup
- Vacuum delay feature on the desoldering tool allows the solder to reach the solder collection chamber before the vacuum is shut off to avoid clogging

WRS7000 includes: *WRS3000* and *WRS2000* and *WHA2000* control units, *WSP80* soldering pencil, *WPH80* stand and sponge, *DSV80* in-line desoldering pencil, *AKV* stand and sponge, *HAP1* hot air pencil, *PH60* stand and sponge, *WTA50* thermal tweezers, *AK51* stand and sponge, vacuum pencil, syringe and needle, vacuum pencil and syringe stand.

Additional Product Features and Benefits:

- Built-in pump provides both air for the hot air tool and vacuum for the desoldering tool
- Microprocessor with digital read-out gives you complete accuracy and reliability
- Temperature set-back can be programmed with the built-in timer from 5 to 60 minutes in 5 minute intervals
- Air flow for the hot air tool and vacuum for desoldering are activated by a finger switch on the tools
- Self-contained hot air station with large hot air pencil. Allows you to easily rework and repair large IC's and QFP's
- Large hot air pencil has built-in vacuum pickup - eliminates guesswork when chip is ready for removal
- Includes a vacuum pickup wand for handling components
- Dispensing and vacuum pickup wand utilize fast-acting shop air
- Timer on the front panel allows dispensing in timed intervals
- Lock-out key to maintain process control for set parameters
- Full range of soldering tips (page 9), desoldering tiplests (page 16), hot air nozzles (page 21), and thermal tweezers tips (page 21) are available
- Special ionizing circuit assures that hot air is static free to protect sensitive components

Applications:

- Production, rework, and repair of through hole and SMT boards. Applications requiring non-contact hot air. Heavy ground planes and multi-layer boards. Solder paste, epoxy, silicone, and potting compound dispensing applications. Lead-free solder applications



A SMT quad tip is used to desolder a quad flat pack with the WSP80 soldering pencil.

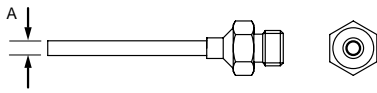


Hot air is directed onto the leads of the QFP component.



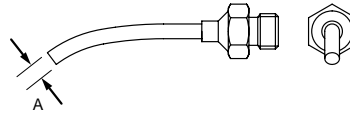
Through hole rework with the DSV80

Nozzles for HAP1 Small Hot Air Pencil



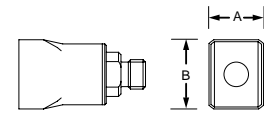
Round

Cat. No.	A		B	
	in.	mm	in.	mm
0058727823	0.031	0.80	--	--
0058727821	0.047	1.20	--	--
0058727787	0.098	2.50	--	--
0058727822	0.118	3.00	--	--



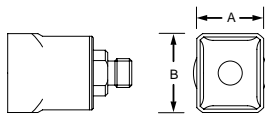
Round Bent

Cat. No.	A		B	
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0058727786	0.079	2.00	--	--



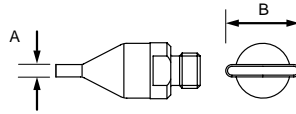
2-Sides Heated

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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



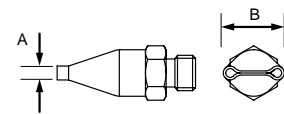
4-Sides Heated

Cat. No.	A		B	
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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

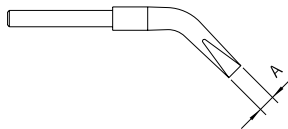
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0058727774	0.059	1.50	0.315	8.00
0058727784	0.059	1.50	0.394	10.00
0058727779	0.059	1.50	0.472	12.00



Dual

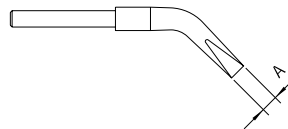
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0058727775	0.059	1.50	0.315	8.00
0058727776	0.059	1.50	0.394	10.00

WT Series Tips for WTA50 Thermal Tweezers



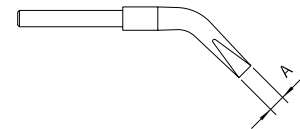
WTA1

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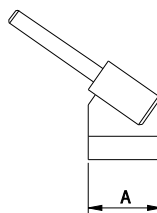
WTA2

Cat. No.	A	
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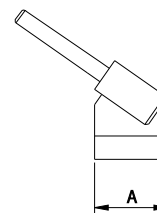
WTA3

Cat. No.	A	
	in.	mm
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WTA4

Cat. No.	A	
	in.	mm
0054414399	0.492	12.50



WTA5

Cat. No.	A	
	in.	mm
0054414499	0.728	18.50