

WSD81/WSD161 Digital Silver Series Soldering Stations



WSD81 includes: *WSD81PU* power unit, *WSP80* soldering pencil, and *WPH81* stand and sponge.



WSD161 includes the power unit only. Soldering pencils and stands are sold separately.

The Weller Advantage

- You experience immediate heat from the combination of a unique silver heating element and tip configuration - allows faster, more efficient, soldering
- High output pencil allows you to work with lead-free solder while keeping tip costs low
- The WSD161 operates on two independently controlled channels. You can operate two 80-watt tools simultaneously

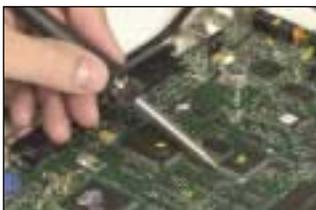
Additional Product Features and Benefits:

- **IMPROVED** - Software has been upgraded to allow the power unit to cycle faster, giving you improved response time
- **IMPROVED** - A standard setback feature has been added to save tip life and power. If the soldering pencil is not used for 20 minutes, the temperature is reduced to 300°F (150°C). After 60 minutes of inactivity, the unit is switched off
- 80-watts of controlled power allows you to work on high-mass components and boards
- Fast recovery and minimal temperature loss when making fast connections, makes this station perfect for continuous production soldering
- Programmable using the optional WCB1 control module - allows for temperature lock-out (process control), temperature set-back (extended tip life) and °F to °C conversion
- Irons fitted with a non-burnable silicone rubber cord for safety
- UL and cUL listed
- ESD safe to protect sensitive components
- Uses economical LT series tips (page 9), which are now tinned using LEAD-FREE SOLDER to comply with changing demands
- Stations also support the WTA50 Thermal Tweezer, WHP80 Hot Plate, and WST20 Thermal Wire Stripper

Station	WSD81	WSD161	Pencil	WSP80
Voltage	120V (input); 24V (output)	120V (input); 24V (output)	Power Consumption	80W
Power Consumption	95W	150W	Heating Element Type	Silver Spool
Temperature Range	150°F - 850°F (66°C - 454°C)	300°F - 850°F (150°C - 454°C)	Iron Cord Length	4 ft. (1.22 m)
Footprint	6 1/2 X 4 1/2 X 4 IN (165 X 114 X 102 CM)	6 1/2 X 4 1/2 X 4 IN (165 X 114 X 102 MM)	Supplied Tip	LTB
Weight	7.0 lb. (3.18 kg)	7.0 lb. (3.18 kg)	Iron Stand	WPH81
Temperature Accuracy	+/- 9°F (+/-5°C)	+/- 9°F (+/-5°C)		
Temperature Stability	+/-10°F (6°C)	+/-10°F (6°C)		
ESD Safe?	Yes	Yes		

Applications:

- Production, rework, and repair of through hole and SMT boards. Contact removal of IC's and QFP's using specialty SMT tips. Lead-free solder applications. Heavy ground planes and multi-layered boards.



The WSP80 in use on a surface mount PCB.



The WCB1 control module is used to set temperature lockout, set back, and °F to °C conversion.



A SMT quad tip is used to desolder a quad flat pack.