

All Weller repair and rework stations feature automatic tool identification. All Weller soldering and desoldering tools up to 80 W are connectable as well as the desoldering tweezer WT50 and the thermal stripping tool WST 20. All stations feature vacuum to desolder and most stations produce air-flow to solder and desolder SMD components.

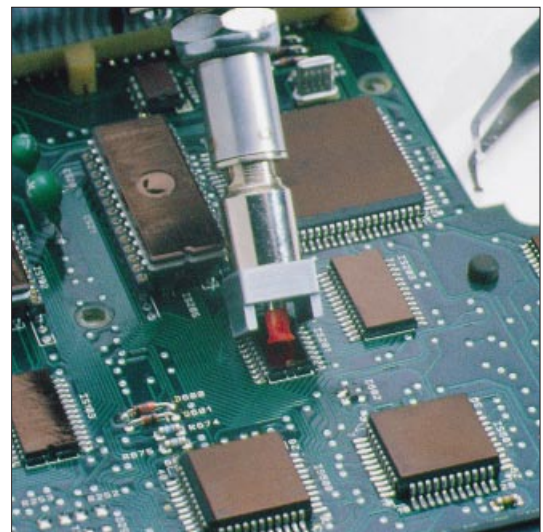
The desoldering irons can be equipped with different nozzles. Special desoldering heads for SMD components removal are available.

A finger switch control on the desoldering tool handle will initiate the vacuum pump.

SMD components will be lifted off with the integrated vacuum of the desoldering head.

The hot air pencil (HAP) is used for reflowing with solder paste or desoldering. Smaller components can be removed with the standard nozzle. Bigger components can be desoldered with a corresponding nozzle.

Repair / Rework Stations



Description

Model

Weller Single Analog power unit with desoldering iron DS 80

Technical Data:

- In place of DS 80 illustrated all other temperature controlled soldering irons and accessories are suitable.
- Vacuum is generated with built-in pump
- ESD safe
- Power absorption 80 W
- Temperature range: 150°C-450°C
- Max. output: 80 W
- Max. vacuum: 0,7 bar

Consists of:

- Power unit
- Desoldering iron DS 80 5 13 090 99
- Support AK 20 5 15 030 99
- Antiblock paste 5 13 030 99
- Cleaning set 5 13 500 99
- Nozzle set DS 110 - DS 115 5 13 770 99

Exploded drawing: see page 214.
Nozzles: see page 139.

D, F	5 33 006 99
GB	5 33 003 99
CH	5 33 005 99
DK	5 33 006 80
I	5 33 006 81
IL	
SA, IND	5 33 006 84



Weller Single Analog power unit (without desoldering iron)

Technical Data:

- same as WSA 1 but operating with 3,5-6 bar compressed air

Consists of:

- Power unit
- compressed air tube 2 m, diameter 6,0 mm

Exploded drawing: see page 216.

D, F	5 33 036 99
GB	5 33 033 99
CH	5 33 035 99
DK	5 33 036 80
I	5 33 036 81
IL	5 33 036 85
SA, IND	5 33 036 84



Weller Multi Analog SMD handling station

The WMA 3V features a complete repair working place. The hot air pencil can be used for both soldering and desoldering of SMD's. You will find a wide range of nozzles on page 141 and 142 to desolder even bigger components. The vacuum pipette is to pick and place delicate components. The WDP dispenser is to dispense solder cream, flux or glue controlled by a hand-held control. The dispenser can also be controlled by a timer (on the front panel). This ensures that a repeatable amount of solder cream is deposited.

Technical Data:

- As well as the supplied hot air pencil all other temperature controlled soldering irons up to 100 Watt can be driven from this unit
- Compressed air required; 3 -8 bar, clean, oil-free
- Temperature range: 50°C - 450°C for all soldering / desoldering tools
50°C - 550°C for hot air pencil (HAP 1)

ESD safe

Consists of:

- Power unit
- Hot air pencil (HAP 1) 5 27 115 99
- Support KH 27 5 15 027 99
- WDP Dispenser (10 cm³) 5 36 043 99
- Vacuum pipette 5 33 128 99
- Combined support for dispenser and pipette 5 15 052 99
- Foot switch 5 13 120 99
- Manual remote control 5 87 397 40
- Nutdriver Xcelite P8 MM 5 13 809 00
- Compressed air tube, 2 m long, Diameter 6,0 mm

Accessories:

- Conversion kit for Nitrogen use 5 87 397 48

Exploded drawing: see page 209.
Nozzles: see page 141-142.

D, F	5 33 086 99
GB	5 33 087 99
CH	5 33 085 99
DK	5 33 086 80
I	5 33 086 81
IL	5 33 086 85
SA, IND	5 33 086 84



Model

Description



WMD 1

D, F	5 33 226 99
GB	5 33 223 99
CH	5 33 225 99
DK	5 33 226 80
I	5 33 226 81
IL	5 33 225 85

Weller Multi Digital Power unit

Technical Data:

- All temperature controlled soldering irons and HAP 1 can be driven
- Airflow and vacuum are produced by an internal pump
- Digital read-out for read and setting functions
- Auto return to read-temperature mode
- ESD safe
- Temperature range: 50°C - 450°C for all Soldering and Desoldering irons
50°C - 550°C for hot air pencil (HAP 1)
- Power absorption: 175 W
- Max. power output: 100 W

Exploded drawing: see page 210.



WMD 3

D, F	5 33 026 99
GB	5 33 023 99
CH	5 33 025 99
DK	5 33 026 80
I	5 33 026 81
IL	5 33 026 81
SA, IND	5 33 026 84

Weller Multi Digital Power unit

Technical Data:

- Provides 3 simultaneous functions (e.g. soldering, desoldering and hot air)
- Built-in pump provides air and vacuum
- Digital read-out
- Lock-out key for set function parameters
- Timer function for stand-by and hot air flow
- Temperature range: 50°C - 450° for all desoldering tools
50°C - 550°C for hot air pencil (HAP)
- Max. output: 100 W each channel
- Max. vacuum: 0,7 bar
- Hot air: 1 - 10l/min continuously adjustable
- ESD safe

Exploded drawing: see page 211.

Description

The WDD 80 desoldering station features digital process control for exact temperature set. The built in micro processor circuitry automatically recognizes all Weller soldering irons and provides the optimal settings of the connected tool. A range of desoldering suction triplets for the DS 80 desoldering iron enables solder to be removed from a wide variety of solder joints. The Weller CSF rework heads can also be interchanged.

Technical Data:

- Temperature range 50°C - 450°C
- Output 80W
- ESD safe

Consists of:

- Power unit
- Desoldering iron DS 80 5 13 090 99
- Support AK 20 5 15 030 99
- Antiblock paste 5 13 030 99
- Cleaning set 5 13 500 99
- Nozzle DS 112 5 13 512 99
- Nozzle DS 113 5 13 513 99

Exploded drawing: see page 199.

Nozzles: see page 139.

Options: soldering irons 25 W, 50 W, 80 W, s. page 74.

Model

WDD 80V

D, F	5 31 366 99
GB	5 31 363 99
DK	5 31 370 80
I	5 31 371 99
IL	5 31 373 99
SA, IND	5 31 374 99



Same as WDD 80V but with desoldering iron DSV 80

Technical Data:

- Temperature range 50°C - 450°C
- Output 80W
- ESD safe

Consists of:

- Power unit
- Desoldering iron DSV 80 5 13 193 99
- Support AK V 5 15 038 99
- Antiblock paste 5 13 030 99
- Cleaning set 5 13 500 99
- Nozzle DS 112 5 13 512 99
- Nozzle DS 113 5 13 513 99

Nozzles: see page 139.

Options: see page 74.

WDD 80VIL

D, F	5 31 346 99
GB	5 31 343 99
I	5 31351 99

