

# Weller®

Founded in 1945, Weller has become the world's leading supplier of professional quality soldering equipment, including the famous Weller temperature controlled irons and soldering guns. Weller makes advanced soldering and desoldering stations and irons for sophisticated industrial needs, plus a series of handy soldering and miniature power tool kits for home craftsmen, hobbyists and light industry.



**WMD3K2**  
WMD3K2 multi digital  
desoldering station  
with soldering irons



**WQB4000SOPS**  
BGA & QFP  
Rework Station



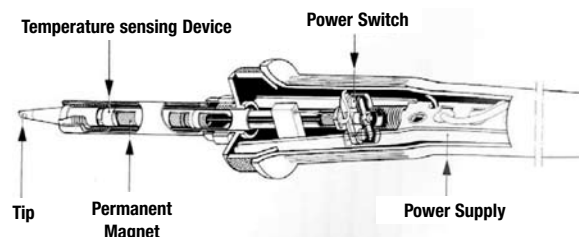
**WMD1A & Multi Purpose Station**



**WD1000AU**  
WD1 digital soldering station with  
WP80 soldering iron

## Magnastat Controlled Station

The Weller Magnastat system operates through a ferro-magnetic sensing device which changes its characteristics when a specific temperature is reached. This causes it to either attract or repel a permanent magnet which operates a power supply switch. In this way power to the heating element can be quickly switched on or off to either provide extra power for soldering operations or reduced power when idling. Working temperature selection is achieved by simply changing the 'temperature sensing' soldering tip. These are available in temperature ratings of 315°C, 371°C and 427°C. The tips are made of pure copper for effective heat conductivity. The heating element has an optimal heating effect on the tip. This is possible through high precision of the tubes, the winding and insulation, which means that the heating element should never be gripped with pliers or be hammered in any way. It is quite sufficient to secure the soldering tip by tightening it into the tip sleeve by hand (when the iron is cold).



| Description                                                                                                                                                                                                                                                      | Material No.  | Shelf Pack |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|--|
| <b>WTCPTD</b><br>Soldering station consists of: <ul style="list-style-type: none"> <li>• TC202DT2 230V Power Unit</li> <li>• TC201B 42 Watt 24V Pencil</li> <li>• PH1201 Stand</li> <li>• 1.6mm 700°F/371°C tip</li> </ul> Soldering Tips: PT-Series see page 24 | <b>WTCPTD</b> | 1          |  |

## Temperature Controlled Stations



**WHS40**  
Soldering Station - 40W/230V

- The temperature range can be controlled between 200°C and 450°C
- The WHS40 soldering station from Weller rules out the risk of temperature shocks which can occur with conventional soldering bits.
- Desired temperatures can be set precisely in such a way that you no longer have to worry about overheating sensitive areas.
- Consists of power unit, soldering iron with nickel plated 2.00mm tip and support.

**T0056806599** 1



**WHS40D**  
Soldering Station - 40W/230V - Digital

- 2mm straight nickel tip
- The new electronically controlled soldering station WHS40D operates with a temperature range of 150°C - 450°C.
- The precise soldering tip temperature shows on the digital read-out (pre-set and real value).
- This soldering station is suitable for delicate soldering tasks on temperature sensitive components.
- LED to monitor the heater is integrated in the display.
- The temperature adjusts via buttons.
- Consists of power unit, soldering iron with "Longlife" tip 2.0mm and support.

**T0056828599** 1

## Electronically Controlled Stations

The Weller WES51D and WESD51D have been developed to provide precision electronic soldering at an affordable price. The tip temperature is electronically controlled and is within a tolerance of +/- 3%

|                                                                                    | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Material No.                                                                                                                                                                                                   | Shelf Pack |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
|    | <p><b>WES51D</b><br/>An economical soldering station with High-End Performance. Ideal for continuous production soldering.</p> <ul style="list-style-type: none"> <li>• Analogue temperature control</li> <li>• Temperature lockout</li> <li>• Automatic shut off</li> <li>• Slim comfortable pencil reduced operator fatigue</li> <li>• Temperature range 150°C-450°C</li> <li>• Max. power output 50W</li> <li>• Assembled in Australia</li> </ul> <p>Soldering station consists of:</p> <ul style="list-style-type: none"> <li>• WES51DPU 230V Power Unit</li> <li>• PES51 50 Watt 24V Pencil</li> <li>• PH50 Holder</li> <li>• ETA tip</li> </ul> <p>Soldering Tips: ET-Series see page 25</p>                | <p><b>WES51D</b></p> <p></p>                                                                                                | <p>1</p>   |
|   | <p><b>WESD51DAU</b><br/>Ideal for production, rework and repair of through hole SMT boards, some ground planes and multi-layer boards.</p> <ul style="list-style-type: none"> <li>• Digital microprocessor temperature control with LED display</li> <li>• Wireless temperature lockout tool</li> <li>• Automatic shut off</li> <li>• Tip temperature offset</li> <li>• °C-°F switchable</li> <li>• Temperature range 150°C-450°C</li> <li>• Max. power output 50W</li> <li>• Assembled in Australia</li> </ul> <p>Soldering station consists of:</p> <ul style="list-style-type: none"> <li>• WESD51DPU 230V Power Unit</li> <li>• PES51 50 Watt 24V Pencil</li> <li>• PH50 Holder</li> <li>• ETA tip</li> </ul> | <p><b>WESD51DAU</b></p> <p></p>                                                                                             | <p>1</p>   |
|  | <p><b>WD1AU</b><br/>80W Power Unit with Digital Display - Single port</p> <ul style="list-style-type: none"> <li>• 3 "radio buttons" allows to pre-set frequently used temperature settings</li> <li>• Extensive Special Functions menu allows you to utilize access features</li> <li>• Setback, lockout, temp. window, F/C switching, standby, auto-off time</li> <li>• Large high contrast LCD display displays more information at a glance</li> <li>• Compatible with WP80 and WMP soldering pencils</li> <li>• ESD safe to protect sensitive components</li> <li>• ROHS &amp; WEEE Compliant</li> </ul>                                                                                                     | <p><b>WD1AU</b></p> <p></p> <p></p>  | <p>1</p>   |
|  | <p><b>WD1MAU</b><br/>80W High Performance Power Unit - Single port</p> <ul style="list-style-type: none"> <li>• 3 "radio buttons" allows to pre-set frequently used temperature settings</li> <li>• Extensive Special Functions menu allows you to utilize access features</li> <li>• Setback, lockout, temp. window, F/C switching, standby, auto-off time</li> <li>• Large high contrast LCD display displays more information at a glance</li> <li>• Compatible with WP80, WMP, WMRT and WMRP soldering pencils</li> <li>• ESD safe to protect sensitive components</li> <li>• USB Interface &amp; Software</li> <li>• ROHS &amp; WEEE Compliant</li> </ul>                                                    | <p><b>WD1MAU</b></p> <p></p> <p></p> | <p>1</p>   |

## Electronically Controlled Stations (cont'd)



| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Material No.                                                                                                                                                                                                 | Shelf Pack |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| <b>WD1000AU</b><br>A new concept in soldering iron design. <ul style="list-style-type: none"> <li>• Digital temperature control</li> <li>• Temperature lockout</li> <li>• Automatic shut off</li> <li>• Unique miniature pencil</li> <li>• 3 Pre-set temperature buttons</li> <li>• °C-°F switchable</li> <li>• Temperature range 50°C-450°C</li> <li>• Max. power output 80W</li> <li>• Made in Germany</li> </ul> Soldering station consists of: <ul style="list-style-type: none"> <li>• WD1 230V Power Unit</li> <li>• WP80 80 Watt 24V Pencil</li> <li>• WDH10 Holder</li> <li>• LTB tip</li> <li>• ROHS &amp; WEEE Compliant</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>WD1000AU</b><br><br><br><br>        | 1          |
| <b>WD1001AU</b> <ul style="list-style-type: none"> <li>• Similar to WD1000AU with WMP soldering tool and WDH20 holder.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>WD1001AU</b><br><br><br><br>        | 1          |
| <b>WD1000MAU</b><br>Micro Digital Rework Soldering Station, <ul style="list-style-type: none"> <li>• Designed for fine pitch, high density SMT soldering and rework</li> <li>• 3 "radio buttons" allows pre-set of frequently used temp settings</li> <li>• Setback, lockout, temp. window, F/C switching, standby, auto-off time</li> <li>• Large high contrast LCD display displays more information at a glance</li> <li>• The heating element is contained in the tip for fast heat-up</li> <li>• WMRP Pencil is made of aluminum with chrome plating and weighs just 75g</li> <li>• The pencil powers down when placed in the holder to extend tip life</li> <li>• The "tip to grip" distance is 45mm, placing you close to the work</li> <li>• The antistatic design of the safety rest has got four different settings</li> <li>• ESD safe to protect sensitive components</li> <li>• ROHS &amp; WEEE Compliant</li> <li>• Max. Power Output 80W; Consists of WMRP 40W Micro Soldering Pencils with RT3 Tip and WDH50 Holder</li> </ul>                                                                                                                                                                          | <b>WD1000MAU</b><br><br><br><br>   | 1          |
| <b>WD1000HPT</b><br>The WD 1000HPT station features Weller's new 120 W soldering iron, the WP 120. This iron is ideal for soldering on difficult circuit boards with heat sinks that cause dissipation in heat transfer. Target applications include high density circuit boards, High Frequency / Radio Frequency applications, and solar panel production.<br>The Weller WD1000HPT station is specifically designed for soldering operations which need a combination of high energy and maximum precision.<br>The WD1000 HPT consists of- <ul style="list-style-type: none"> <li>• The WD120 Soldering Iron</li> <li>• XT Series Tips, refer page 29</li> <li>• The WD1M Power Unit</li> <li>• WDH10T Stop + Go Iron Safety Rest</li> <li>• Dimensions (L x W x H mm): 134 x 108 x 147</li> <li>• Mains voltage supply: 230V / 120V / 50/60 Hz</li> <li>• Power: 160W</li> <li>• Safety class: I (power unit), III (soldering iron)</li> <li>• Temperature control: 50°C - 450°C</li> <li>• Temperature accuracy: ± 9°C</li> <li>• Temperature stability: ± 5°C</li> <li>• Soldering tip leakage resistance: &lt; 2 Ω (tip-to-ground)</li> <li>• Soldering tip leakage current: &lt; 2 mV (tip-to-ground)</li> </ul> | <b>WD1000HPTAU</b><br><br><br><br> | 1          |

## Electronically Controlled Stations (cont'd)



### Description

#### WD2AU

Micro Digital Rework Soldering Station, 160W Power Unit with Digital Display - Dual port

- 3 "radio buttons" allows to pre-set frequently used temperature settings
- Extensive Special Functions menu allows you to utilize access features
- Setback, lockout, temp. window, F/C switching, standby, auto-off time
- Large high contrast LCD display displays more information at a glance
- Compatible with WP80 and WMP soldering pencils
- ESD safe to protect sensitive components
- ROHS & WEEE Compliant

### Material No.

WD2AU

### Shelf Pack

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#### WD2MAU

160W Power Unit with Digital Display - 2 Port

- 3 "radio buttons" allows to pre-set frequently used temperature settings
- Extensive Special Functions menu allows you to utilize access features
- Setback, lockout, temp. window, F/C switching, standby, auto-off time
- Large high contrast LCD display displays more information at a glance
- Compatible with WP80, WMP, WMRP and WMRT soldering pencils
- ESD safe to protect sensitive components
- USB Interface & Software
- ROHS & WEEE Compliant

WD2MAU

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#### WD2000AU

Dual Channel Digital Soldering Station

- Microprocessor-controlled soldering station in a modern ergonomic design for Weller soldering tools up to 150 W
- Temperature control 50°C-450°C (150°C-550°C with WSP 150)
- Big LCD display
- Three fixed temperatures can be assigned with the temperature buttons
- The following settings are possible without any accessory unit: custom-designed calibration function, programmable temperature decrease (setback), interlock functions and remote ID for ISO applications
- The antistatic design of the safety rest has got four different setting
- Protection class I (controll unit), protection class III (soldering iron)
- Max. Power Output 160W; RoHS & WEEE Compliant; consists of 2 x WP80 80W Soldering Pencil with LTB Tips, 2 x WDH10 Stand

WD2000AU

1



#### WD2001AU

Dual Channel Digital Soldering Station

- Microprocessor-controlled soldering station in a modern ergonomic design for Weller soldering tools up to 150 W
- Temperature control 50°C-450°C (150°C-550°C with WSP 150)
- Big LCD display
- Three fixed temperatures can be assigned with the temperature buttons
- The following settings are possible without any accessory unit: custom-designed calibration function, programmable temperature decrease (setback), interlock functions and remote ID for ISO applications
- The antistatic design of the safety rest has got four different settings
- Protection class I (controll unit), protection class III (soldering iron)
- Output 160W; RoHS & WEEE Compliant; consists of 1 x WP80 80W Soldering Pencil with LTB Tip & WDH10 Holder, 2 x WMP 65W Soldering Pencils with Tips & 2 x WDH20 Stands

WD2001AU

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## Electronically Controlled Stations (cont'd)



### Description

#### WD2002AU

- Dual Channel Digital Soldering Station
- Microprocessor-controlled soldering station in a modern ergonomic design for Weller soldering tools up to 150 W
- Temperature control 50°C-450°C (150°C-550°C with WSP 150)
- Big LCD display
- Three fixed temperatures can be assigned with the temperature buttons
- The following settings are possible without any accessory unit: custom-designed calibration function, programmable temperature decrease (setback), interlock functions and remote ID for ISO applications
- The antistatic design of the safety rest has got four different settings
- Protection class I (control unit), protection class III (soldering iron)
- Max. Power Output 160W; RoHS & WEEE Compliant; consists of 1 x WP80 80W Pencil, 1 x WMP 65W Soldering Pencil with Tips, 1 x WDH10 & 1 x WDH20 Stands

### Material No.

WD2002AU

### Shelf Pack

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#### WD2000MAU

- Dual Micro Digital Rework Station
- Use WMRP solder pencil and WMRT desoldering tweezers simultaneously
- Designed for fine pitch, high density SMT soldering and rework
- 3 "radio buttons" allows pre-set of frequently used temp settings
- Setback, lockout, temp. window, F/C switching, standby, auto-off time
- Large high contrast LCD display displays more information at a glance
- The "tip to grip" distance of the WMRP pencil is just 45mm
- WMRT tweezers utilize a tip cartridge that is always in alignment
- Tweezers are automatically switched off when placed in the WMRT holder
- ESD safe to protect sensitive components
- ROHS & WEEE Compliant
- Max. Power Output 160W; RoHS & WEEE Compliant; Consists of WMRP 40W Micro Soldering Pencil with RT3 Tip and WDH50 Holder, WMRT 80W Micro Desoldering Tweezers with RTW2 Tip and WMRT Holder

### Material No.

WD2000MAU

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#### WD3MAU

- The Weller® WD 3M is a versatile unit for use in industrial, production, engineering, repair and laboratory applications to carry out professional repair work on electronic assemblies using the latest technology. The WD 3M enables the combined use of Weller's new High-Power Irons and Micro-Tools to handle modern HF-shielded and SMT-flooded electronics.
- The WD 3M has 3 independent channels for the simultaneous operation of 3 soldering tools
- Precise temperature control at the soldering tip is guaranteed by Weller's digital control technology and superior sensor and heat-transfer technology
- High-speed measured-value acquisition gives maximum temperature precision and optimal dynamic temperature performance in load situations
- The temperature can be adjusted in the range 50°C - 450°C for WP80/WP120 and other soldering tools.
- Three temperature buttons to set fixed temperatures directly.
- Benefits from various outstanding functions of the WD 3M!
- Automatic tool detection and activation of corresponding control parameters
- Digital temperature control
- Option of inputting offset values
- Programmable temperature reduction (setback)
- Standby and lock functions
- Antistatic device design in accordance with ESD safety
- Different equipotential-bonding possibilities on the device (standard configuration hard grounded)
- Customer-specific calibration function
- USB port for control, evaluation and documentation via PC
- Dimensions (L x W x H): 273 x 235 x 102 mm
- Mains voltage supply: 230V / 120V / 50/60 Hz
- Power: 420 W
- Safety class: I and III
- Temperature control: 50°C - 450°C
- Temperature accuracy: ± 9°C
- Temperature stability: ± 2°C

### Material No.

WD3MAU

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## Electronically Controlled Stations (cont'd)

**NEW**



### Description

#### WD3000HPT

WD3000HPT Soldering Station 420W, 230V  
WP 120 High-Power Soldering Pencil for HF shieldings, Micro-Tools for handling of small and sensitive SMT components.  
Three channels with High-Speed-Regulation for all Micro-Tools and the High-Power WP 120 Soldering Pencil.

#### Includes:

- WD 3M Power Unit
- WP 120 High Performance Soldering Pencil, 120W
- WDH 10T Safety Rest with Stop + Go function
- WMRP Micro Pencil, 40W
- WDH 50 Safety Rest with Stop + Go function
- WMRT Micro Tweezers, 80W (2 x 40W)
- WMRT Safety Rest with Stop + Go function

#### Technical Data:

- Dimensions (L x W x H): 237 x 235 x 102mm, 10.75 x 9.25 x 4.02 inches
  - Mains voltage: 230V / 50/60 Hz
  - Power input: max. 420W
  - Protection class: 1
  - Temperature control: 50°C-450°C (150°F-850°F)
  - Temperature accuracy:  $\pm 9^\circ\text{C}$  ( $\pm 17^\circ\text{F}$ )
  - Temperature stability:  $\pm 5^\circ\text{C}$  ( $\pm 9^\circ\text{F}$ )
  - Tip-to-ground resistance:  $< 2 \Omega$
- Potential-free plug (factory set hard grounded)

### Material No.

WD3000HPTAU

### Shelf Pack

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**NEW**



#### WD3002HPT

WD3002HPT Soldering Station 420W, 230V  
One station, two High-Power Soldering Pencils for different applications or parallel work.  
Three channels with High-Speed-Regulation for all Micro-Tools and High-Power Soldering Pencil WP 120.

#### Includes:

- WD 3M Power Unit
- WP120 High-Power Soldering Pencil, 120W 2x
- WDH 10T Safety Rest with Stop + Go function 2x

WD3002HPTAU

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#### WSD151

Extremely high output soldering station delivering 150 watts

- Digital microprocessor temperature control with LED display
- Automatic shut off
- Calibration box (WCB1 or WCB2) may be connected
- °C-°F switchable
- Temperature range 50°C-550°C
- Max. power output 150W
- ROHS & WEEE Compliant
- Made in Germany

Soldering station consists of

- PUD151 230V Power Unit
- WSP150 150 Watt 24V Pencil
- KH27 Holder
- LHT-F tip

T0053277599

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## Tool Selection Chart

| Station   | Tools |        |       |       |       |      |     |        |      |      |       |        |       |   |        |   |        |   |        |
|-----------|-------|--------|-------|-------|-------|------|-----|--------|------|------|-------|--------|-------|---|--------|---|--------|---|--------|
|           | TC201 | TC201B | PRS50 | PCS51 | WSP80 | WP80 | WMP | WSP150 | WMRP | WMRT | WTA50 | DSQUIC | DS180 |   | HAP200 |   | WHP380 |   | WSP150 |
| WTCPT     | ◆     |        |       |       |       |      |     |        |      |      |       |        |       |   |        |   |        |   |        |
| WTCPTD    |       | ◆      |       |       |       |      |     |        |      |      |       |        |       |   |        |   |        |   |        |
| WESS0D    |       |        | ◆     |       |       |      |     |        |      |      |       |        |       |   |        |   |        |   |        |
| WESS1D    |       |        |       | ◆     |       |      |     |        |      |      |       |        |       |   |        |   |        |   |        |
| WESD51D   |       |        |       | ◆     |       |      |     |        |      |      |       |        |       |   |        |   |        |   |        |
| WSD81     |       |        |       |       | ◆     | ◆    | ◆   |        |      |      | ◆     |        |       |   |        |   | ◆      | ◆ | ◆      |
| WSL       |       |        |       |       | ◆     | ◆    | ◆   |        |      |      | ◆     |        |       |   |        |   | ◆      | ◆ | ◆      |
| WSD151    |       |        |       |       | ◆     | ◆    | ◆   | ◆      |      |      | ◆     |        |       |   |        |   | ◆      | ◆ | ◆      |
| WSD161    |       |        |       |       | ◆     | ◆    | ◆   | ◆      |      |      | ◆     |        |       |   |        |   | ◆      | ◆ | ◆      |
| WMRS      |       |        |       |       | ◆     | ◆    | ◆   |        | ◆    | ◆    | ◆     |        |       |   |        |   | ◆      | ◆ | ◆      |
| WD1000AU  |       |        |       |       | ◆     | ◆    | ◆   |        |      |      | ◆     |        |       |   |        |   | ◆      | ◆ | ◆      |
| WD1001AU  |       |        |       |       | ◆     | ◆    | ◆   |        |      |      | ◆     |        |       |   |        |   | ◆      | ◆ | ◆      |
| WD2000AU  |       |        |       |       | ◆     | ◆    | ◆   |        |      |      | ◆     |        |       |   |        |   | ◆      | ◆ | ◆      |
| WD2001AU  |       |        |       |       | ◆     | ◆    | ◆   |        |      |      | ◆     |        |       |   |        |   | ◆      | ◆ | ◆      |
| WD2002AU  |       |        |       |       | ◆     | ◆    | ◆   |        |      |      | ◆     |        |       |   |        |   | ◆      | ◆ | ◆      |
| WD1000MAU |       |        |       |       | ◆     | ◆    | ◆   |        | ◆    | ◆    | ◆     |        |       |   |        |   | ◆      | ◆ | ◆      |
| WD2000MAU |       |        |       |       | ◆     | ◆    | ◆   |        | ◆    | ◆    | ◆     |        |       |   |        |   | ◆      | ◆ | ◆      |
| WD1AU     |       |        |       |       | ◆     | ◆    | ◆   |        |      |      | ◆     |        |       |   |        |   | ◆      | ◆ | ◆      |
| WD2AU     |       |        |       |       | ◆     | ◆    | ◆   | ◆      |      |      | ◆     |        |       |   |        |   | ◆      | ◆ | ◆      |
| WD1MAU    |       |        |       |       | ◆     | ◆    | ◆   |        | ◆    | ◆    | ◆     |        |       |   |        |   | ◆      | ◆ | ◆      |
| WD2MAU    |       |        |       |       | ◆     | ◆    | ◆   | ◆      | ◆    | ◆    | ◆     |        |       |   |        |   | ◆      | ◆ | ◆      |
| WD3MAU    |       |        |       |       | ◆     | ◆    | ◆   |        |      |      | ◆     |        |       |   |        |   | ◆      | ◆ | ◆      |
| WMD1      |       |        |       |       | ◆     | ◆    | ◆   |        |      |      | ◆     | ◆      | ◆     | ◆ |        |   | ◆      | ◆ | ◆      |
| WMD1A     |       |        |       |       | ◆     | ◆    | ◆   |        |      |      | ◆     | ◆      | ◆     | ◆ |        |   | ◆      | ◆ | ◆      |
| WMD1D     |       |        |       |       | ◆     | ◆    | ◆   |        |      |      | ◆     | ◆      | ◆     | ◆ |        |   | ◆      | ◆ | ◆      |
| WMD3      |       |        |       |       | ◆     | ◆    | ◆   | ◆      |      |      | ◆     | ◆      | ◆     | ◆ |        |   | ◆      | ◆ | ◆      |
| WMD3K2    |       |        |       |       | ◆     | ◆    | ◆   | ◆      |      |      | ◆     | ◆      | ◆     | ◆ |        |   | ◆      | ◆ | ◆      |
| WR3M      |       |        |       |       | ◆     | ◆    | ◆   |        | ◆    | ◆    | ◆     | ◆      | ◆     | ◆ | ◆      | ◆ | ◆      | ◆ | ◆      |
| WR3000M   |       |        |       |       | ◆     | ◆    | ◆   | ◆      | ◆    | ◆    | ◆     | ◆      | ◆     | ◆ | ◆      | ◆ | ◆      | ◆ | ◆      |

## Optional Accessories



### Description

- WP80 80 Watt Soldering Pencil with Short Tip-To-Grip**
- Compatible with WD1 and WD2 Soldering Stations, and WRS Rework Stations
  - New WP80 offers 80 watts of power with short tip-to-grip (40 mm)
  - New WP80 has same performance characteristics as the WSP80
  - Perfect for Lead Free solder
  - ESD safe to protect sensitive components
  - ROHS & WEEE Compliant
  - See page 26 for LT tips, Accessories and Spares
  - Spare element NOT available (sealed to handle)

### Material No.

### Shelf Pack

T0052918099

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### WP80 Set

- Consists of:
- WP80 soldering pencil
- WDH10 support
- ROHS & WEEE Compliant
- See page 26 for LT Tips

T0052918199

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### WP80 Barrel for WP80 Pencil

T005874484

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### WP120 Soldering Iron

- Twice as much power and efficiency in a small and ergonomic pencil design
- Powerful heating element with a replaceable soldering tip
- Best life cycle cost at dynamic performance
- The rapid transfer of heat into the soldering tip is quickly and precisely controlled with sophisticated electronics
- Design copes with big and difficult solder joints even at barely accessible joints
- Also ideal for HF shield plates or solar panel manufacturing

T0052919399

1



### WP120 Set

- Consists of:
- WP120 soldering pencil
- WDH10T Stop + Go Stand
- ROHS & WEEE Compliant
- See page 29 for XT tips

T0052919499

1



WDH10T

## Optional Accessories (cont'd)

| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Material No.                                                                                             | Shelf Pack |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|------------|--|
|  <p><b>WMP SET</b> 65 watt micro soldering pencil and WDH20 Holder</p>                                                                                                                                                                                                                                                                                                                                                                                                        | <p>T0052917999</p>    | <p>1</p>   |  |
|  <p><b>WMRP</b> Soldering pencil for RT soldering tips<br/>         • ROHS &amp; WEEE Compliant<br/>         • 40 watt Micro Soldering Pencil Set with high speed regulation<br/>         See page 28 for RT tips</p>                                                                                                                                                                                                                                                         | <p>T0052917199</p>    | <p>1</p>   |  |
| <p><b>WMRP SET</b><br/>         Consists of:<br/>         • WMRP 40 W Pencil<br/>         • WDH50 Stand</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <p>T0052919099</p>    | <p>1</p>   |  |
|  <p><b>WMRT</b> Micro Desoldering Tweezers with rest for WMRS, WD 1M, WD 2M<br/>         The new WMRT desoldering tweezers enables with its twin parallel adjusted tiptlets a significant precise de- and soldering of very small SMD components. The high speed regulation of the stations WMRS, WD 1M, WD 2M drives this tweezers. Placed in the rest WMRTH the tips are automatically switched off for increasing endurance.<br/>         • ROHS &amp; WEEE Compliant</p> | <p>T0051317399</p>   | <p>1</p>   |  |
|  <p><b>WSP150</b> 150 watt soldering pencil for heavy duty work<br/>         • ROHS &amp; WEEE Compliant<br/>         See page 28 for LHT tips</p>                                                                                                                                                                                                                                                                                                                          | <p>T0052917099</p>  | <p>1</p>   |  |
|  <p><b>WSP150 SET</b><br/>         Consists of:<br/>         • WSP150 Soldering Tool<br/>         • WDH30 Stand</p>                                                                                                                                                                                                                                                                                                                                                         | <p>T0052918999</p>  | <p>1</p>   |  |
|  <p><b>PES50</b> 50 watt soldering iron to suit WES50D<br/>         PH50 Stand not included</p>                                                                                                                                                                                                                                                                                                                                                                             | <p>PES50</p>                                                                                             | <p>1</p>   |  |
|  <p><b>PES51</b> 50 watt soldering iron to suit WES51D and WESD51D See page 25 for ET tips<br/>         PH50 Stand not included</p>                                                                                                                                                                                                                                                                                                                                         | <p>PES51</p>        | <p>1</p>   |  |
|  <p><b>EC1201AP</b> 40 watt soldering pencil with stand</p>                                                                                                                                                                                                                                                                                                                                                                                                                 | <p>EC1201AP</p>     | <p>1</p>   |  |

See page 25 for ET tips



## Optional Accessories (cont'd)



**Description**

**DSX80 Iron**  
80 Watt Desoldering Pencil

- Temperature range 50°C-450°C
- RPHS & WEEE Compliant

See page 33 for DX tips

| Material No. | Shelf Pack |  |
|--------------|------------|--|
| T0051319099  | 1          |  |
|              |            |  |



**DSX80 SET**  
Consists of:

- DSX80 Desoldering Tool
- WDH30 sStand

|             |   |  |
|-------------|---|--|
| T0051318399 | 1 |  |
|             |   |  |



**WTA-50 SET**  
The WTA-50 tweezers can be used with all Weller Temtronic/SL series stations. Dual heating elements with independent temperature sensors provide the tips with constant temperature.  
Temperature range 150°C - 450°C  
Output 2 x 25W  
Consists of:

- Desolder Tweezer
- AK51 Support
- Hex Key

Supplied with WT1 tip See page 30 for WT tips

- ROHS & WEEE Compliant

|             |   |  |
|-------------|---|--|
| T0053313399 | 1 |  |
|             |   |  |



**HAP1 SET**  
100 Watt HAP1 Hot Air Pencil & WDH30 Stand. For both soldering and desoldering of SMD's.  
Temperature range 50°C - 550°C Power absorption 100W  
Consists of:

- HAP1 hot air pencil
- WDH30 Safety Rest
- 1.2mm nozzle
- Xcelite Nutdriver P8 MM

See page 35 for nozzles

- ROHS & WEEE Compliant

|             |   |  |
|-------------|---|--|
| T0052711899 | 1 |  |
|             |   |  |



**HAP200 SET**  
Hot Air Pencil set 200W, 24V  
The HAP200 provides a directional hot air flow that is adjustable. Electronic temperature control from 50°C to 550°C. Different nozzles available as accessory. Finger switch controls the adjustable pump. For WR 3M only.

|             |   |  |
|-------------|---|--|
| T0052711799 | 1 |  |
|             |   |  |

**HAP200 Nozzle Adapter**  
See page 32 for Nozzles

|             |   |  |
|-------------|---|--|
| T0058761728 | 1 |  |
|-------------|---|--|

**WHPS80 Preheat plate**

- 80 watt
- 50°C-200°C
- 80 x 50mm
- for use with WSD81, WSD151, WMD series
- ROHS & WEEE Compliant

|             |   |  |
|-------------|---|--|
| T0052702899 | 1 |  |
|             |   |  |

## Optional Accessories (cont'd)



### Description

**WHP200 Infrared Under Board Heater**  
The new WHP200 from Weller is a new under board heater which although small in dimensions is very powerful. The WHP200 is designed to be used on small multipayer PCBs to minimise the risk of thermal damage to boards and to speed up the repair process.

- **Universal application**  
The WHP200 is suitable for use with a range of consumer electronic boards. It is perfect for rework operations on digital camera, mobile phones, MP3 players and PDA pcbs
- **Fast and efficient heating**  
The infrared plate provides fast, precisely controlled heating to create an even substrate temperature
- **Operating simplicity**  
The WHP200 is simple to use with very easy adjustment for the heating temperature. The heating plate comes complete with a pcb board holder so there is no need to buy additional accessories
- **Excellent Price-/Performance ratio**  
The WHP under board heater provides an excellent Price-/Performance balance
- **Dimensions (L x W x H):**  
193 x 193 x 84 mm  
inc. pcb holder 7,6 x 7,6 x 3,3 inch
- **Dimensions Heating Zone (L x W):**  
120 / 60 mm; 4,72 / 2,36 inch
- **Voltage:** 230 V / 50/60 Hz
- **Power:** Heat Zone 200 W  
Medium Wave Infrared
- **Safety Class:** I
- **Regulation:** 50°C - 400°C

### WRK Rework Nozzle Kit

The newly developed, innovative desoldering system facilitates soldering and desoldering of large SMT components up to 30 x 30 mm. The desoldering system can be connected to the additional vacuum channel (pick up) of the WR 3M.

- 8 Nozzles
- Assorted Vacuum Cups
- 2 Vacuum Rods and Hose
- Stand

### WSB80

80 Watt Solder Bath is a very useful rework preparation tool. The solder bath is temperature controlled continuously between 50°C to 450°C via an existing 80W power source (WSD81, WMD series). The solder bath can be used to tin wire ends and leads of all extraneous solder particles in preparation for reworking.

- 150x120x65mm
- Warm up time (approx) 7 minutes
- ROHS & WEEE Compliant

### WSB150

150 Watt Solder Bath. Accessory for WD2, and WD2M Power Units.

- For tin coating and preparation of electronics components and leads
- Also used to clean excess solder from component leads
- Compatible with lead free solders

### WST20 Thermal stripping tool 50 W, 24 V

The WST20 temperature controlled thermal stripping tool is suitable to all digital Weller stations. It strips off thermoplastic insulation materials by using precisely shaped stripping blades. The stripping length is adjustable up to 30mm.

### Material No.

### Shelf Pack

T0053371599

1



T0051515599

1



T0052704099

1



T0052704299

1



T0052503099

1

## Optional Accessories (cont'd)



### Description

**WST82 Thermal Stripping Tool 80 W, 24 V, with flexcord.**  
The WST82 temperature controlled thermal stripping tool is suitable to all digital Weller stations with minimum 80 W. It strips off thermoplastic insulation materials by using precisely shaped stripping blades. The stripping length is adjustable up to 30 mm. Optimal temperature control via power unit (accessory).

### Material No.

T0052503199

### Shelf Pack

1



## Soldering pencils, Magnastat temperature controlled, low voltage



TC201B Magnastat Tool suits WTCPTD 42W 24V  
TCP12 Magnastat Tool 40W 12V  
TCP50M Magnastat Tool 40W 50V  
TC201 Magnastat Tool suits WTCPS/T 40W 25V

TC201B  
TCP12  
TCP50M  
TC201

1  
1  
1  
1

## Soldering pencils, temperature controlled, line voltage



W60D Magnastat Tool 60W  
W100D Magnastat Tool 100W  
W201D Magnastat Tool 200W

See page 34 for Tips

W60D  
W100D  
T0056107599

1  
1  
1

## Tool Stands



PH1201 Tool Stand for TCP, TC, EC and SP

PH50 Tool Stand for PES50 and PES51

PH1260 W60D Tool Stand

PH12100 W100D Tool Stand

WDH10 Support for WSP80 & WP80 with four different settings

WDH20 Support for WMP with four different settings

WDH30 Tool Stand for HAP200 & DS x 80

WDH40 Tool Stand for DX80

WDH50 Tool Stand for WMRP

WDH10T WP80 Stop-N-Go Stand

WDH20T WMP Stop-N-Go

AK51 Stand for WTA50

AK20 Stand for DS80UNC

AKV Stand for DSV80UNC / DSX80

PH1201

1

PH50

1

PH1260

1

PH12100

1

T0051512199

1

T0051512299

1

T0051515299

1

T0051515399

1

T0051515699

1

T0051516199

1

T0051516299

1

T0051504299

1

T0051503099

1

T0051503899

1

## Tool Stands Chart

| Tools        | STANDS |      |       |       |       |       |       |        |        |        |         |      |      |     |
|--------------|--------|------|-------|-------|-------|-------|-------|--------|--------|--------|---------|------|------|-----|
|              | PH1201 | PH50 | WDH10 | WDH20 | WDH30 | WDH40 | WDH50 | WDH10T | WDH20T | PH1260 | PH12100 | AK20 | AK51 | AKV |
| TCP          | ♦♦♦♦   |      |       |       |       |       |       |        |        |        |         |      |      |     |
| TC           | ♦      |      |       |       |       |       |       |        |        |        |         |      |      |     |
| EC           | ♦      |      |       |       |       |       |       |        |        |        |         |      |      |     |
| SP           | ♦      |      |       |       |       |       |       |        |        |        |         |      |      |     |
| EC1302B      |        |      |       |       |       |       |       |        |        |        |         |      |      |     |
| PES50        |        | ♦    |       |       |       |       |       |        |        |        |         |      |      |     |
| PES51        |        | ♦    |       |       |       |       |       |        |        |        |         |      |      |     |
| WSP80        |        |      | ♦     |       |       |       |       | ♦      |        |        |         |      |      |     |
| WSP150       |        |      |       |       | ♦     |       |       |        |        |        |         |      |      |     |
| WP80         |        |      | ♦     |       |       |       |       | ♦      |        |        |         |      |      |     |
| WMP          |        |      |       | ♦     |       |       |       |        | ♦      |        |         |      |      |     |
| WMRP         |        |      |       |       |       |       | ♦     |        |        |        |         |      |      |     |
| WMRT         |        |      |       |       |       |       |       |        |        |        |         |      |      |     |
| WVP          |        |      |       |       |       |       |       |        |        |        |         |      |      |     |
| WTA-50       |        |      |       |       |       |       |       |        |        |        |         |      | ♦    |     |
| HAP1         |        |      |       |       | ♦     |       |       |        |        |        |         |      |      |     |
| HAP200       |        |      |       |       | ♦♦♦   |       |       |        |        |        |         | ♦    |      |     |
| DS80UNC /DSV |        |      |       |       | ♦♦♦♦  |       |       |        |        |        |         |      |      |     |
| DSX80        |        |      |       |       |       |       |       |        |        |        |         |      |      |     |
| W60D         |        |      |       |       |       |       |       |        |        | ♦      |         |      |      |     |
| W100D        |        |      |       |       |       |       |       |        |        |        | ♦       |      |      | ♦   |

## Fume Extraction Stands



**Description**

**PH1201F** As per PH1201 but allows for fume extraction (not micro irons)  
Stand for TC201 & EC Series.

**WPH80** Stand for WSP80 & WSP81

| Material No.       | Shelf Pack |  |
|--------------------|------------|--|
| <b>PH1201F</b>     | 1          |  |
| <b>T0051514099</b> | 1          |  |

## Soldering Aids



**W101CH** Miniature temperature controlled solder bath (330°C) with horizontal stand.  
100W 230V Consists of:

- 100W Solder Bath with Insert
- Support for Solder Bath

**ESF-120ESD**  
Printed circuit board holder

- Adjustable to Eurocard size
- Suitable for holding irregular shaped cards
- Component support

**WPBI** Polishing Bar

- Rejuvenates tips without damage to the plated surface

**WLSK200** Vacuum pen for easy pick up of small components.  
Fully self contained.

**SD1000** Solder Dispenser

- For coils up to 1000g
- For use of coil up to length 95mm, core Ø > 17mm
- length 84mm, core Ø < 12mm

**ABW2** Extension for additional reel

- To be fixed on SD1000
- For coils up to 1000g
- For use of coil up to length 95mm, core Ø > 17mm
- length 70mm, core Ø < 12mm
- length 84mm, core Ø < 12mm

**WDC Dry Cleaning System**

- Very effective cleaning from oxides on solder tips especially when using lead free solder.
- Good stability (does not slide on work bench)
- Longer life of metal wool due to tapping of the solder into the box before cleaning.
- Metal wool does not contain flux.
- User may use any flux which is accepted for his process.
- Cleaning result will be even better if wool is wetted with flux.

**WDC2** Dry Cleaner Attachment

**WDC** Wire Wool 2 Refills

|                                                                                       |   |  |
|---------------------------------------------------------------------------------------|---|--|
| <b>W101CH</b>                                                                         | 1 |  |
| <b>T0051502699</b>                                                                    | 1 |  |
| <b>WPBI</b>                                                                           | 1 |  |
| <b>WLSK200</b>                                                                        | 1 |  |
| <b>T0051301799</b>                                                                    | 1 |  |
| <b>T0051301399</b>                                                                    | 1 |  |
| <b>T0051512499</b>                                                                    | 1 |  |
|  |   |  |
|  |   |  |
| <b>T0051512599</b>                                                                    | 1 |  |
| <b>T0051382499</b>                                                                    | 1 |  |

## De-Soldering Pump



**WDS** De-Soldering Pump

- High Suction Power, Lightweight
- Ideal for PC Board Repairing
- Clean the cylinder occasionally

**WDS**

## Electronic Temperature Measuring Equipment



| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Material No. | Shelf Pack |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------|--|
| <b>WTT1</b><br>Temperature measurement and calibration.<br>• Measures temperature without imposing thermal load.<br>The WTT1 digital temperature measuring system has been specifically designed for measuring the temperature of soldering iron tips. The probe has a double sensor system and internal heat source. The measured temperature is fed to a control system that records the flow of heat in the probe and stabilizes it with the aid of the internal heat source. This design ensures that no heat is drawn by the probe from the object being measured. Erroneous measurements due to the large thermal load of the probe are thus prevented. The measured temperature is indicated on a three-digit LED display to a resolution of 1°C.<br>An adjustable preheat temperature ensures a rapid response even at high temperatures. | T0053124699  | 1          |  |
| <b>WCB2</b><br>As for WCB1 with the following additional features:<br>• Thermo couple input for automatic calibration.<br>• RS232 output                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | T0053118099  | 1          |  |

## Portable Soldering Tools



- ML500MP** Magna-Lite Butane Soldering Iron
- Applications include soldering, heat shrink tubing, electrical, electronics, field service repair
  - Waterproof piezo ignition for fast, reliable ignition
  - Adjustable flame height
  - Temperature adjustable from 400°C to 510°C
  - 30 minute run time
  - Also operates as a torch when soldering tip is removed
  - Refills with standard butane gas (Weller BR200)

|              |   |  |
|--------------|---|--|
| ML500MP      | 4 |  |
| WHK30AU      | 6 |  |
| BP860MPA     | 5 |  |
| BP10<br>BP11 |   |  |



- WHK30AU** 30 Watt / 230 V - Woodburning & Hobby Kit
- 15 piece set, including 12 tips, ideal for wood burning, sculpting, adding accents, stencil cutting, pattern transfers, hot knife cutting, embossing and branding
  - 30 Watt short barrel Woodburning Iron
  - Set contains 6 Woodburning tips, Hot Knife Tip with Blade Chuck, Pattern Transfer Tip, 3 Branding Tips, Iron Stand and complete Project Book
  - Boxed in plastic presentation case



- BP860MPA**  
 Dual Heat Battery Powered Cordless Soldering Iron
- Perfect tool for light duty soldering jobs where portability is necessary
  - Solders up to 180 solder joints per battery charge
  - Medium Duty - 8 to 11 Watts
  - Dual Heat gives two different working temperatures - 450°C and 500°C
- BP10** Conical Tip  
**BP11** Chisel Tip

## Portable Soldering Tools



| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Material No.   | Shelf Pack |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------|
| <b>WPSI12V 12 Volt Portable Soldering Iron</b> <ul style="list-style-type: none"> <li>• 42 Watt Battery Powered, with temperature control</li> <li>• Powered by a 12 Volt, 7.2 amp hour sealed lead acid battery</li> <li>• Fitted with an automotive cigarette lighter plug for direct connection to other 12 Volt power sources</li> <li>• 21 types of PT series tips available in 315°C, 371°C &amp; 427°C</li> <li>• Battery life of 2-8 hours dependant on usage</li> <li>• Fluoro yellow carry pack with high visibility reflective strip, carry strap &amp; soldering tool stand</li> <li>• 3 stage automatic battery charger included</li> </ul> NSN: 3439-66-155-0279 | <b>WPSI12V</b> | 1          |

## Weller® Pyropen



|                                                                                                                                                                                                                                                                                   |              |   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|---|
| <b>WPA2</b><br>Piezo ignition (self) lighting.<br>Kit includes: <ul style="list-style-type: none"> <li>• 1 x WPT-2 soldering tip</li> <li>• 1 x WHC-52 hot blow tip</li> <li>• Metal kit box</li> </ul> See page 32 for tip selection                                             | <b>WPA2</b>  | 1 |
| <b>WSTA3</b><br>Soldering, hot blow and torch flame facilities.<br>kit includes: <ul style="list-style-type: none"> <li>• 1 x soldering tip</li> <li>• 1 x hot blow tip</li> <li>• torch ejector tightening bar</li> <li>• Metal Kit box</li> </ul> See page 32 for tip selection | <b>WSTA3</b> | 1 |
| <b>WSTA6</b><br>Junior pocket size with auto ignition <ul style="list-style-type: none"> <li>• Fitted with pocket clip</li> <li>• Suitable for soldering and hot blow applications</li> <li>• 1 x WPT-01 tip</li> </ul> See page 31 for tip selection                             | <b>WSTA6</b> | 1 |
| <b>WSTA5</b><br>Jumbo, (self igniting)<br>Kit includes: <ul style="list-style-type: none"> <li>• Soldering Tip 72-01-02</li> <li>• Hot Blow Tip 72-01-52</li> <li>• Metal kit box</li> </ul> See page 31 for tip selection                                                        | <b>WSTA5</b> | 1 |

## Weller® Portasol



|                                                                                                                                                                                                                                                                                                                                            |                |    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----|
| <b>PSI100K</b><br>Piezo ignition (self lighting).<br>Kit includes <ul style="list-style-type: none"> <li>• 1 x soldering, hot blow and cutting tip</li> <li>• Torch flame facility</li> </ul> Tips Include: <ul style="list-style-type: none"> <li>• PSI - 6, PSI - 8, PSI - 9, PSI - 10</li> </ul> See page 32 for Portasol tip selection | <b>PSI100K</b> | 1  |
| <b>BR200</b><br>Weller Butane Gas refill, 200 grams.<br>Suitable for all above irons.                                                                                                                                                                                                                                                      | <b>BR200</b>   | 12 |

## Repair/Rework Stations

All Weller repair and rework stations feature automatic tool recognition and will accept any Weller temtronic tool including the WTA50, desoldering tweezers, WSB80 and WSB150 solder baths and WST20 thermal strippers. These stations have a built in pump to supply vacuum for desoldering and air for hot air soldering and desoldering. Special desoldering heads for SMD components removal are available. A finger switch control on the desoldering tool handle and hot air pencil will operate the air pump. SMD components can be lifted off with the vacuum of the desolder head. The hot air pencil (HAP1) is used for reflowing with solder paste or desoldering. Smaller components can be removed with the standard nozzle. Larger components can be desoldered with a suitable nozzle.



### Description

#### WMD3K2

A multi digital 310W desoldering station.

- 3 Channel
- Temperature Range 50°C-450°C (Hot Air 500°C)
- Air Volume Hot Air 1-10 l/min
- Maximum Vacuum -0.7 bar
- Temperature, Vacuum and Air Control via Station
- 3 position Digital Display
- Protection Class 1
- Antistatic Housing
- Automatic Tool Recognition
- Consists of: WMD3 Control Unit, WP80 80W Soldering Iron, WDH10 Stand for WP80, DSX80 80W Desoldering Iron, AK20 Stand for DSX80, DX112 & DX113 Desoldering Nozzles, Cleaning Set, WDC Dry Cleaner

#### WMD1D

A multipurpose station to handle all rework and repair requirements.

- Digital microprocessor provides complete accuracy and reliability
  - Self contained air & vacuum
  - Programmable temperature, hot air flow and automatic set-back
  - Operator lock out prevents unauthorised changes
  - Temperature range, hot air 50°C-550°C, solder and desolder 50°C-450°C
  - Idle temperature set-back, 5-60 minutes
  - Large range of optional tools
  - Made in Germany
- Station consists of:
- WMD1S Power uni
  - DSX80 desoldering tool
  - ROHS & WEEE Compliant

Desoldering Tiptets: DSX-Series see page 33

#### WMD1A

A multipurpose station to handle all rework and repair requirements.

- Digital microprocessor provides complete accuracy and reliability
  - Self contained air & vacuum
  - Programmable temperature, hot air flow and automatic set-back
  - Operator lock out prevents unauthorised changes
  - Temperature range, hot air 50°C-550°C, solder and desolder 50°C-450°C
  - Idle temperature set-back, 5-60 minutes
  - Large range of optional tools
  - Made in Germany
- Station consists of:
- WMD1S Power unit
  - HAP1 hot air pencil
  - ROHS & WEEE Compliant

Hot Air Nozzles: see page 35



### Material No.

### Shelf Pack

T0053302659

1



T0053333599

1



T0053330699

1



## Repair/Rework Stations



reddot design award  
winner 2007



View video &  
PDF Brochure at  
[www.weller.com](http://www.weller.com)

### Description

#### WR3M

Package includes:

- WR 3M repair station
- Adapter for HAP200 hot-air pencil
- CD with USB software
- USB cable

Technical data:

- Dimensions L x W x H (mm): 237 x 235 x 102
- Weight: approx. 6.7 kg
- Mains supply voltage: 230 V, 50 Hz (120 V, 60 Hz)
- Power consumption: 420 W
- Safety class: I and III, housing antistatic
- Fuse: Overcurrent release 2 A (4 A)
- Temperature control Soldering and Desoldering iron stepless of channels: 50°C-550°C
- Controllable temperature range is tool-dependent
- Temperature accuracy:  $\pm 9^{\circ}\text{C}$
- Temperature stability:  $\pm 2^{\circ}\text{C}$
- Pump (periodic duty (30/30) s): Max. vacuum 0.7 bar
- Max. delivery rate 18 l/min
- Hot air max. 15 l/min
- Additional Pump: Max. vacuum 0.5 bar
- Max. delivery rate 1.7 l/min
- Equipotential bonding: Via 3.5 mm pawl socket on back of device

### Material No.

T0053366699



### Shelf Pack

1

#### WR3000MAU

Rework Set

Package includes:

- WR3M
- HAP200 Hot-air pencil with WDH30 Safety rest
- DSX80 Desoldering iron with WDH30 Safety rest
- WP80 Soldering iron with WDH10 Stop + go Safety rest
- WVP Vacuum pick up
- WDC2 Dry cleaner

Technical data:

- Dimensions: L x W x H (mm): 237 x 235 x 102
- Weight: approx. 6.7 kg
- Mains supply voltage: 230 V, 50 Hz (120 V, 60 Hz)
- Power consumption: 420 W
- Safety class: I and III, housing antistatic
- Fuse: Overcurrent release 2 A (4 A)
- Temperature control Soldering and Desoldering iron stepless of channels: 50°C-550°C
- Controllable temperature range is tool-dependent
- Temperature accuracy:  $\pm 9^{\circ}\text{C}$
- Temperature stability:  $\pm 2^{\circ}\text{C}$
- Pump (periodic duty (30/30) s): Max. vacuum 0.7 bar
- Max. delivery rate 18 l/min
- Hot air max. 15 l/min
- Additional Pump: Max. vacuum 0.5 bar
- Max. delivery rate 1.7 l/min
- Equipotential bonding: Via 3.5 mm pawl socket on back of device

### WR3000MAU



1

## Hot Air Stations

The advanced technology of Weller hot air stations ensures greater controlled precision when soldering and desoldering sensitive SMD components. Medium to large SMD components are extremely susceptible to thermal and physical damage. Weller hot air stations provide gentle, controlled hot air flow being directed to the leads of the component. An in-built vacuum pick-up within the nozzle of the WHA2000 makes the removal and replacement of the component safe and easy without damaging the circuit board pads or component leads.



Dimensions 240 x 270 x 170 (W x L x H mm)  
Mains Voltage: 230V  
Max Heat Power: 700 w  
Temp Range: 50°C - 550°C



| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Material No.                                                                                                                                                                                                 | Shelf Pack |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--|
| <b>WHA3000P</b><br>Hot Air Station <ul style="list-style-type: none"> <li>• 700 watt hot air station with patented Weller nozzle technology for maximum process control.</li> <li>• The powerful variable speed controlled turbine generates an air volume of up to 50 litres/min.</li> <li>• An ion trap so that charge free hot air is directed at the component.</li> <li>• Memory space to store up to 10 thermal profiles to ensure process repeatability</li> <li>• The WHA 3000P will perform demanding repair tasks on circuit boards with complex fine pitch surface mounted components.</li> <li>• The advanced control technology coupled with user friendly operation, guarantees precision of repair processes.</li> <li>• Extensive range accessories compliment the machine to promote flexibility.</li> <li>• Foot pedal available.</li> <li>• ROHS &amp; WEEE Compliant</li> </ul>                                                                                         | <b>T0053334699</b><br><br><br><br>     | 1          |  |
| <b>WHA3000PS SET</b><br>Set contains: <ul style="list-style-type: none"> <li>• WHA3000P Hot Air Station</li> <li>• WBH Circuit board holder</li> <li>• WHP3000 Heating plate</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>T0053355699</b><br><br><br><br> | 1          |  |
| <b>WHP3000 Heating Plate - 600W</b> <ul style="list-style-type: none"> <li>• The WHP 3000 increases the flexibility of the WHA systems.</li> <li>• It provides underside heating to the board under repair, reducing the heat requirement from the hot air pencil and therefore minimising the risk of thermal damage to the board as well as speeding up the repair process.</li> <li>• The heated surface comprises 3 high temperature ceramic elements that ensure fast and efficient heating.</li> <li>• IR Heating plate total heated area 120 mm x 190 mm with 3 ceramic elements.</li> <li>• Set temperatures and actual temperatures are digitally displayed.</li> <li>• An external sensor can be connected to display actual temperatures at specific areas of the circuit under repair.</li> <li>• The hot plate can be controlled from its own internal control system or integrated into the control system of the WHA 3000P/V</li> <li>• ROHS &amp; WEEE Compliant</li> </ul> | <b>T0053338699</b><br><br>                                                                                              | 1          |  |
| <b>WHP3000 Heating Plate 1200 W, 230 V, 190 x 245 mm</b> same as WHP 3000 but with heatable surface 190 x 245 mm<br>Heating plate 1200 W, 230 V <ul style="list-style-type: none"> <li>• ROHS &amp; WEEE Compliant</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>T0053364699</b>                                                                                                                                                                                           | 1          |  |

## Hot Air Stations



Dimensions 440 x 320 x 446 (W x L x H mm)



### Description

#### WBHS

Circuit Board Holder & Pivoting Stand

- Retains and secures the circuit board under repair and allows positioning of the board in X and Y directions.
- A wide range of accessories available separately permits boards up to a max size of 310mm x 320mm both single and double sided to be accommodated in a perfectly flat condition.
- The WBH 3000S incorporates a pivoting stand to mount the HAP 3000 hot air pencil. This stand allows the HAP 3000 to be raised and lowered onto the component under repair.
- An added safety feature is the Stop + Go function, which will automatically switch the hot air pencil into a standby mode if the stand is pivoted to the side of the board holder without first switching off the hot air.
- The pre-heating plate WHP 3000 (supplied separately) can be fitted under the board holder to provide background heating.
- ROHS & WEEE Compliant

#### WBH

PCB Holder

- Holds circuit boards up to 310 x 320 mm in the x-y direction
- The WHP3000 heating plate can be slid under the PCB holder
- Same as WBH3000S but without pivoting hot air tool holder

#### WHA900

Hot air station 700W with built-in turbine

Low cost hot air station for less complex repair tasks and hot air applications such as shrinking. The in-built turbine provides hot air and variable temperatures. The temperature of the hot air is electronically controlled.

- Analogue temperature adjustment
- Temperature range 50°C-550°C
- Air Volume 5-50 l/min (ESD Safe)
- Two rotary potentiometers to set air temperature and air volume
- Standby and calibration function
- Safety Class I
- ROHS & WEEE Compliant

### Material No.

### Shelf Pack

T0053316399

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T0053316499

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T0053171699

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## Repair/Rework BGA/QFP Stations

Weller remains at the forefront of Rework Technology. As on board components have become more and more complex Weller has led the field with innovative, user friendly repair and assembly tools that solve the rework problem. The introduction of the BGA was no exception, with its small footprint area, hidden connections, and high connection density, rework operators have been presented with very real placement and removal problems. The WQB 3000 machines are the second generation of the Weller BGA/SMT repair system. They meet the exceptional demands required of a modern rework tool and deliver the benefits at a value for money price. Weller has developed a comprehensive user friendly program for the removal and re-balling of BGA components, site preparation, solder paste printing, placement and re-flow, without the risk of thermal damage to the component or the circuit board. No matter what the component, BGA, QFN, QFP, PLCC, SOP, PGA or surface mounted sockets, Weller has the rework answer.

Due to the rapid advances in SMD component development, increasingly complex processes are demanded for assembly and rework. Ball Grid Array and fine pitch leaded component rework require considerable technical expertise to achieve a successful repair. The Weller WQB 3000 system has this capability.

### The Rework Cycle:

#### Development of the temperature profile

- Repeatable results can only be achieved by a process cycle that considers all the parameters of the repair operation.
- To allow removal of the component from a circuit board without damage to the board, a temperature profile of the operation must be established. The "Self Teach" feature of the WQB 3000 provides a quick and easy method of finding the parameters of the process cycle, without the need of in depth operator knowledge.

#### Component Removal

- Necessary for successful re-flow of the solder joints is the ability to preheat the circuit board and a temperature/time controlled process.
- A vacuum actuated lift to automatically remove the component from the board with minimum force at the end of the re-flow cycle to ensure no damage to the solder pads.

#### Cleaning of the circuit board

- Residual solder should be removed from the board with a desoldering iron or desolder wick.
- Residual contaminants should be removed with a suitable solvent spray.

#### Solder Application.

- Stencil printing should be used to apply fresh solder to the pads; this ensures that the correct volume of solder paste is deposited.

#### Positioning of the component

- A precise positioning system is required to place components with hidden joints, Weller offers two distinct systems.
- WQB 3000 uses the patented Weller template positioning process, a low cost but precise operation.
- A wide range of templates, for BGA, QFP and PLCC components are available
- WQB 3000 OPS uses a computer aided camera placement system, which is particularly useful if it is necessary to place a wide range of components.

#### Soldering of the component

- Re-flow of the replaced component is a repeat of the removal process except the vacuum lift is not initiated at the end of the profile.
- To cater for the many body sizes of BGA devices, a wide range of hot gas nozzles are available.
- To solder QFP and PLCC packages, an adapter is available to permit the use of the Weller NQ/ND family of hot gas nozzles.

#### Inspection of the solder joint

- Once the rework process has been verified by inspection of the completed repair, and then the repeatable profile controlled by the stored program can be applied ensuring that all subsequent repairs are carried out to the same parameters reducing the necessity of inspection to a minimum.



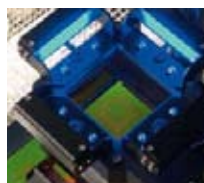
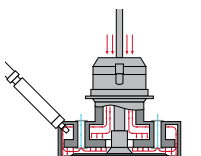
## Repair/Rework BGA/QFP Stations

The new WQB Repair System upgrades the Weller product range in the SMD repair tool sector. A well thought-out design concept combines reliability and maximum process control with ease of use and technically mature detail solutions. Useful accessories increase the possible uses of this repair work station.

On the WQB 3000 the temperature-regulated 2-zone infrared bottom heater provides rapid warm up and homogeneous substrate temperatures. The hot gas top heater, with digital control electronics for temperature monitoring and regulation of the air flow rate, facilitates the finely metered supply of heat to the components.

A temperature sensor placed directly in the hot gas nozzle efficiently regulates the top heater and thus provides maximum process control.

Large chip removal station with high energy handpiece. Extensive assortment of economically priced nozzles, with custom sizes made to order.

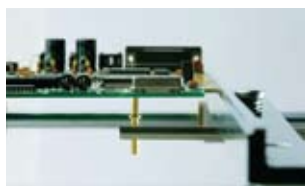


| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Material No.       | Shelf Pack |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------|
| <p><b>WQB4000SOPS</b></p> <p>Weller's next-generation repair and rework station combines a completely new design with state-of-the-art split optic camera technology to provide users with absolute reliability, optimum process control and enhanced ease of use.</p> <ul style="list-style-type: none"> <li>• <b>Advanced design for enhanced precision</b><br/>The WQB4000SOPS is modularly built with a slide platform, advanced patented systems and materials of the highest quality to guarantee industrial reliability and long-lasting durability.</li> <li>• <b>Heating from above: selective and sensitive</b><br/>The hot gas heater with patented nozzle system, coupled with digital control electronics for temperature monitoring and regulation of the air flow rate, facilitates the finely metered supply of heat to the components. A temperature sensor placed directly in the hot gas nozzle prevents thermal overload of the component and efficiently regulates the top heater, providing maximum process control.</li> <li>• <b>Heating from below: rapid and homogeneous</b><br/>The temperature-regulated two-zone infrared bottom heater provides rapid, yet precisely controlled warm-up at homogeneous substrate temperatures.</li> <li>• <b>Streamlined technology</b><br/>The new WQB4000SOPS enables users to work with a standard PC via a USB 2.0 port. Additional appliances or interface cards are not required.</li> <li>• <b>Monitoring software: comprehensive functions</b><br/>The monitoring software determines temperature profiles and facilitates definition of the optimal soldering process.</li> <li>• <b>Teach-in feature: fast, effective parameter identification</b><br/>Repeatable results can only be achieved by a process cycle that considers all the parameters of the repair operation. The 'Teach-in' feature provides a quick and easy method of determining process cycle parameters and identifying critical points - without the need for in-depth operator knowledge. The software includes a library of soldering profiles, i.e. general and specific parameters enabling repeatable use. New profiles can be edited easily by the user and added to the library.</li> <li>• <b>Perfect component/circuit board alignment</b><br/>With the split optic camera, live images of a component and a circuit board can be aligned independently of each other using the x, y and theta axis fine adjustment drives.                             <ol style="list-style-type: none"> <li>1. Component size &amp; theta axis</li> <li>2. Align y axis</li> <li>3. Align x axis</li> <li>4. Component aligned!</li> </ol> </li> <li>• <b>Removal (desoldering) of the defective component</b><br/>The ability to preheat the circuit board and a temperature/time controlled process are critical for good reflow of the solder joints. At the end of the reflow cycle, to avoid damage to the solder pads, a vacuum lift automatically removes the component from the board with minimum force and exact temperature control.</li> <li>• <b>Cleaning of the circuit board</b><br/>Residual solder should be removed from the board with a desoldering iron or desolder wick. Residual contaminants can be removed with a suitable solvent spray.</li> <li>• <b>Positioning of the new component</b><br/>The new WQB4000SOPS station's split optic camera placement system ensures precise positioning of a wide range of components - from BGA to fine pitch SMT.</li> <li>• <b>Component soldering</b><br/>Reflow of the replaced component is essentially a repeat of the removal process, without the vacuum lift being initiated at the end of the profile. An extensive range of hot gas nozzles and adapters are available to cater for the many body sizes of BGA devices or QFP and PLCC packages.</li> <li>• <b>Temperature profiling</b><br/>An eight-step temperature profile enables soldering and cooling that are perfectly tailored to specific requirements.</li> <li>• <b>Split Optics for perfectly accurate positioning</b><br/>The new SOPS (Split Optic Positioning System) with the high-resolution 2 Mpix CMOS USB 2.0 camera enables accurate positioning of the components following desoldering. It works with a single camera and two-colour lighting for exact positioning. Superb image quality at high dynamics and very low image noise ensure precise, ergonomic component mounting.</li> <li>• <b>An ever expanding field of applications</b><br/>The new WQB4000SOPS is optimally equipped to take on repair and rework in mobile communications, research and general BGA, QFP work. Specifically, with PBGA, CBGA, CPGA, CSP's, Micro BGA, QFN, PLCC, SOP and PGA components.                             <ol style="list-style-type: none"> <li>1. Components without direct access to the solder joint</li> <li>2. Leaded components with external solder joints</li> <li>3. A wide variety of special modules.</li> </ol> </li> </ul> | <b>T0053370699</b> | <b>1</b>   |

### Technical Data

Dimensions (L x W x H):  
approx. 630 x 630 x 650 mm  
Dynamic dimensions:  
approx. 1030 x 630 x 650 mm  
Power supply voltage: 230V, 50/60 Hz  
Mains fuse: T10A  
Power: 2300W  
Top heater: 700W  
Bottom heater:  
large 1600W (260 x 260) mm  
small 400W (120 x 120) mm  
Compressed-air supply:  
400-600 kPa purified, dry compressed air  
Compressed-air converter:  
vacuum 60 kPa  
Temperature control:  
infinitely variable 50°C - 400°C  
control precision  $\pm 10^\circ\text{C}$   
Flow control:  
infinitely variable 5-50 l/min.  
Air consumption: 60-100 l/min. (4 bar)  
Total weight: approx. 40kg

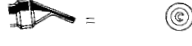
## Accessories for WQB4000SOPS



| Description                                                                       | Material No.               | Shelf Pack |  |
|-----------------------------------------------------------------------------------|----------------------------|------------|--|
| Clamping Set/Irregular Board Holder for Circuit Boards<br>• ROHS & WEEE Compliant | T0058754924                | 1          |  |
| Support for Large Sized Circuit Boards<br>• ROHS & WEEE Compliant                 | T0058755745                | 1          |  |
| Thermocouple Type K, 0.5mm                                                        | T0053119099                | 1          |  |
| NQ Nozzle Adapter Adapter                                                         | T0058754970<br>T0058747770 | 1<br>1     |  |
| Vacuum Inserts - 4.5mm, 10pc<br>• ROHS & WEEE Compliant                           | T0058713799                | 1          |  |
| Vacuum Inserts - 10mm, 10pc<br>• ROHS & WEEE Compliant                            | T0058713798                | 1          |  |
| Temperature Sensor for Top Heater<br>• ROHS & WEEE Compliant                      | T0058754948                | 1          |  |
| Circuit Board Block<br>• ROHS & WEEE Compliant                                    | T0058754873                | 1          |  |
| Serial Interface Cable<br>• ROHS & WEEE Compliant                                 | T0053119199                | 1          |  |
| Suppressing device for Circuit Boards<br>• ROHS & WEEE Compliant                  | T0058755741                | 1          |  |

## Replacement Soldering Tips

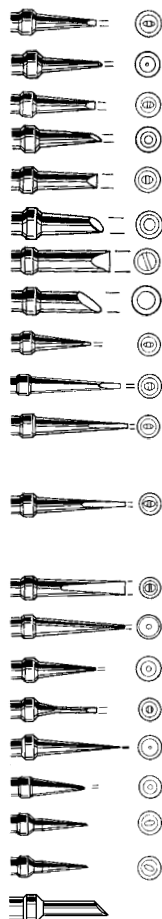
PT SERIES Suit WTCPS/T stations and TC series soldering pencils.

|                                                                                    | Description        | Tip Size<br>mm | Reach<br>mm | Material No.  |               |              | Shelf<br>Pack |  |
|------------------------------------------------------------------------------------|--------------------|----------------|-------------|---------------|---------------|--------------|---------------|--|
|                                                                                    |                    |                |             | 600°F (315°C) | 700°F (371°C) | 800°F (427°) |               |  |
|    | Screwdriver        | 1.6            | 15.9        | PTA6          | PTA7          | PTA8         | 1             |  |
|    | Single flat        | 1.6            | 15.9        | PTAA6         | PTAA7         | PTAA8        | 1             |  |
|    | Screwdriver        | 2.4            | 15.9        |               | PTB7          | PTB8         | 1             |  |
|    | Single flat        | 2.4            | 15.9        | PTBB6         | PTBB7         | PTBB8        | 1             |  |
|    | Screwdriver        | 3.2            | 15.9        | PTC6          | PTC7          | PTC8         | 1             |  |
|    | Single flat        | 3.2            | 15.9        |               | PTCC7         | PTCC8        | 1             |  |
|    | Screwdriver        | 4.7            | 15.9        |               | PTD7          | PTD8         | 1             |  |
|    | Single flat        | 4.7            | 15.9        |               | PTDD7         |              | 1             |  |
|  | Screwdriver        | 6.0            | 15.9        | PTE6          |               | PTE8         | 1             |  |
|  | Conical flat       | 1.2            | 15.9        |               | PTF7          | PTF8         | 1             |  |
|  | Screwdriver        | 0.8            | 15.9        | PTH6          | PTH7          | PTH8         | 1             |  |
|  | Long Screwdriver   | 1.2            | 25.4        |               | PTK7          | PTK8         | 1             |  |
|  | Long Screwdriver   | 2.0            | 25.4        |               | PTL7          | PTL8         | 1             |  |
|  | Long Screwdriver   | 3.2            | 25.4        |               | PTM7          | PTM8         | 1             |  |
|  | Long conical       | 0.8            | 25.4        |               | PTO7          | PTO8         | 1             |  |
|  | Conical            | 0.8            | 15.9        |               | PTP7          | PTP8         | 1             |  |
|  | Narrow Screwdriver | 1.6            | 15.9        | PTR6          | PTR7          | PTR8         | 1             |  |
|  | Long conical       | 0.4            | 25.4        | PTS6          | PTS7          | PTS8         | 1             |  |
|  | Bent slotted       | 0.8            | -           | PTX6          | PTX7          | PTX8         | 1             |  |
|  | Bent slotted       | 0.5            | -           | PTZ6          | PTZ7          |              | 1             |  |

## Replacement Soldering Tips

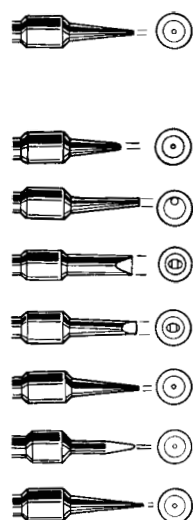
### ET SERIES

Suits EC1000/2000 WES50, WES51, WESD51 stations fitted with EC1201A, WSP50 and WSP51, PES50 & PES51 soldering pencils.



| Description                         | Tip Size mm | Reach mm | Material No. | Shelf Pack |  |
|-------------------------------------|-------------|----------|--------------|------------|--|
| Screwdriver                         | 1.6         | 15.9     | ETA          | 1          |  |
| Single flat                         | 1.6         | 15.9     | ETAA         | 1          |  |
| Screwdriver                         | 2.4         | 15.9     | ETB          | 1          |  |
| Single flat                         | 2.4         | 15.9     | ETBB         | 1          |  |
| Screwdriver                         | 3.2         | 15.9     | ETC          | 1          |  |
| Single flat                         | 3.2         | 15.9     | ETCC         | 1          |  |
| Screwdriver                         | 4.7         | 15.9     | ETD          | 1          |  |
| Single flat                         | 4.7         | 15.9     | ETDD         | 1          |  |
| Screwdriver                         | 0.8         | 15.9     | ETH          | 1          |  |
| Screwdriver                         | 0.4         | 25.4     | ETJB         | 1          |  |
| Long Screwdriver                    | 1.2         | 25.4     | ETK          | 1          |  |
| Knife Tip 45° Angle                 |             |          | ETKN         | 1          |  |
| Long Screwdriver                    | 2.0         | 25.4     | ETL          | 1          |  |
| Blunt                               |             |          | ETLB         | 1          |  |
| Long Screwdriver                    | 3.2         | 25.4     | ETM          | 1          |  |
| Long conical                        | 0.8         | 25.4     | ETO          | 1          |  |
| Conical                             | 0.8         | 15.9     | ETP          | 1          |  |
| Narrow Screwdriver                  | 1.6         | 15.9     | ETR          | 1          |  |
| Long conical                        | 0.4         | 25.4     | TETS         | 1          |  |
| Conical                             | 0.6         | 15.9     | ETT          | 1          |  |
| Single flat                         | 0.4         | 17.8     | ETUB         | 1          |  |
| Single flat                         | 0.6         | 17.8     | ETVX         | 1          |  |
| Mini Wave for J Leads and Gullwings |             |          | ETGW         |            |  |

### EPH SERIES Suits EC3001 Stations/EC1301, EC1302A, EC1302B Soldering Pencils



| Description     | Tip Size mm | Reach mm | Material No. | Shelf Pack |  |
|-----------------|-------------|----------|--------------|------------|--|
| Micropoint      | 0.4         | 11.1     | EPH101       | 1          |  |
| Bent Conical    | 0.8         |          | EPH102       | 1          |  |
| Single flat     | 0.8         | 7.9      | EPH103       | 1          |  |
| Bent conical    | 1.2         | 11.1     | EPH104       | 1          |  |
| Screwdriver     | 1.6         | 11.1     | EPH106       | 1          |  |
| Chisel          | 2.0         | 11.1     | TEPH107      | 1          |  |
| Conical         | 0.8         | 11.1     | EPH109       | 1          |  |
| Conical         | 1.6         | 11.1     | EPH110       | 1          |  |
| Long micropoint | 0.4         | 15.9     | EPH112       | 1          |  |

## Replacement Soldering Tips



LT Tip Selection Chart to suit WSP80/WP80

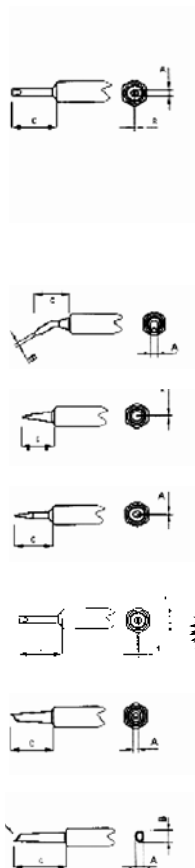
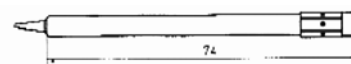
| Material No.           | Style                                                                                    | Size 1 | Size 2 | Reach |  |
|------------------------|------------------------------------------------------------------------------------------|--------|--------|-------|--|
| LT1                    | Round                                                                                    | 0.25   | -      | 12.5  |  |
| LT1L                   | Round                                                                                    | 0.2    | -      | 25    |  |
| LT1LX                  | Bent Round                                                                               | 0.2    | -      | 25    |  |
| LT1S                   | Round                                                                                    | 0.2    | -      | 15    |  |
| LT1SLX                 | Bent Round                                                                               | 0.4    | -      | 20.5  |  |
| LT1X                   | Bent Round                                                                               | 0.4    | -      | 20.5  |  |
| LT4AU                  | Single Flat                                                                              | 1.2    | -      | 15    |  |
| LTA4X                  | Bent Chisel                                                                              | 1.2    | 0.16   | 16.5  |  |
| LTA                    | Chisel                                                                                   | 1.6    | 0.2    | 12.5  |  |
| LTAS                   | Round                                                                                    | 1.6    | -      | 12.5  |  |
| LTAX                   | Bent Chisel                                                                              | 1.6    | 0.8    | 14    |  |
| LTB                    | Chisel                                                                                   | 2.4    | 0.8    | 12.5  |  |
| LTC                    | Chisel                                                                                   | 3.2    | 0.8    | 12.5  |  |
| LTCS                   | Round                                                                                    | 3.2    | -      | 12.5  |  |
| LTD                    | Chisel                                                                                   | 4.6    | 0.8    | 12.5  |  |
| LTGW                   | Gull Wing                                                                                | 3.2    | -      | 17.8  |  |
| LTF                    | Single Flat                                                                              | 1.2    | -      | 12.5  |  |
| LTH                    | Chisel                                                                                   | 0.8    | 0.4    | 12.5  |  |
| LTHX                   | Bent Chisel                                                                              | 0.6    | 0.2    | 20    |  |
| LTK                    | Chisel                                                                                   | 1.2    | 0.4    | 20    |  |
| LTKN                   | Knife (J-Lead)                                                                           | 1.5    | 0.8    | 20    |  |
| LTL                    | Chisel                                                                                   | 2.0    | 1.0    | 20    |  |
| LTM                    | Chisel                                                                                   | 3.2    | 1.2    | 20    |  |
| LTS                    | Round                                                                                    | 0.4    | -      | 20    |  |
| <b>NEW</b> K111        | Type K Thermocouple Weld, LTB                                                            |        |        |       |  |
| T0054441799            | LT Adapter                                                                               |        |        |       |  |
| T0054441600            | Measuring/Calibration Tip                                                                |        |        |       |  |
| T0054449599            | LT Soldering Tip Set<br>Contains 1 of each LT Tip - 40 Tips in convenient labelled stand |        |        |       |  |
| <b>NEW</b> T0058744845 | Short Barrel                                                                             | 40mm   |        |       |  |
| <b>NEW</b> T0058744846 | Long Barrel                                                                              | 68mm   |        |       |  |
| <b>NEW</b> T0054448699 | LTDD Soldering Tip                                                                       | 4.6mm  |        |       |  |



## Replacement Soldering Tips



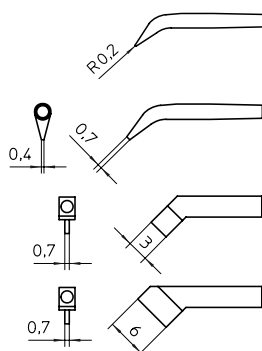
NT Tip Selection Chart to suit WMP Pencil



| Description           | Width A | Thickness B | Length C | Material No. |  |
|-----------------------|---------|-------------|----------|--------------|--|
| Chisel Tip            | 0.8mm   | 0.4mm       | 8.4mm    | NTH          |  |
| Chisel Tip            | 1.2mm   | 0.4mm       | 8.4mm    | NTK          |  |
| Chisel Tip            | 1.6mm   | 0.4mm       | 8.4mm    | NTA          |  |
| Chisel Tip            | 1.6mm   | 0.4mm       | 9.5mm    | NT6          |  |
| Chisel Tip            | 2.4mm   | 0.8mm       | 7.4mm    | NTB          |  |
| Chisel Tip            | 3.2mm   | 0.8mm       | 7.8mm    | NTC          |  |
| Chisel Tip            | 4.0mm   | 0.8mm       | 7.8mm    | NTD          |  |
| Chisel Tip, Bent      | 0.4mm   | 1.6mm       | 8.2mm    | NTAX         |  |
| Round Tip, Bent       | 1.6mm   | 0.8mm       | 8.6mm    | NT1X         |  |
| Round Tip             | 0.25mm  | -           | 7.4mm    | NT1          |  |
| Round Tip, Small      | 0.25mm  | -           | 8.5mm    | NT1S         |  |
| Chisel Tip            | 0.4mm   | 0.14mm      | 8.4mm    | NT1SC        |  |
| Round Tip, Sloped 45° | 1.2mm   | -           | 9.9mm    | NT4          |  |
| Gull Wing             | 2.0mm   | 3.0mm       | 13.4mm   | NTGW         |  |



RTW Tip Selection Chart to suit WMRT thermal tweezer



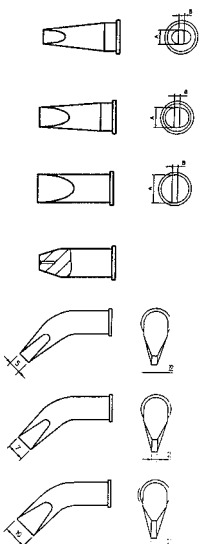
| Cat No. | Dimensions |         |           | Style       | Single product code |  |
|---------|------------|---------|-----------|-------------|---------------------|--|
|         | Width 1    | Width 2 | Length OA |             | Material No.        |  |
| RTW1    | 0.2mm      |         |           | Tweezer tip | T0054465199         |  |
| RTW2    | 0.7mm      |         |           | Tweezer tip | T0054465299         |  |
| RTW3    | 3mm        |         |           | Tweezer tip | T0054465399         |  |
| RTW4    | 6mm        |         |           | Tweezer tip | T0054465499         |  |

## Replacement Soldering Tips



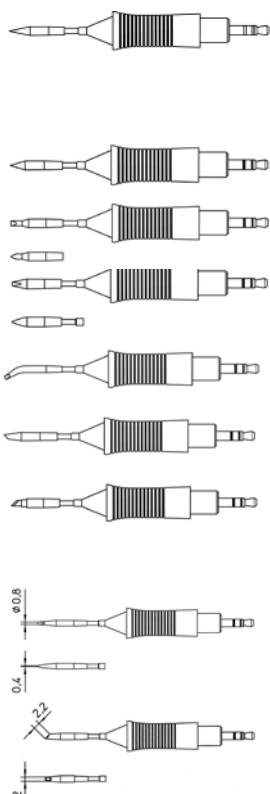
### WSP150 SERIES

| Description           | Tip Size<br>mm | mm  | Material No. | Shelf<br>Pack |  |
|-----------------------|----------------|-----|--------------|---------------|--|
| LHT-C Chisel Tip      | 3.2            |     | T0054445599  | 1             |  |
| LHT-D Chisel Tip      | 4.7            | 1.8 | T0054445299  | 1             |  |
| LHT-E Chisel Tip      | 6.7            | 1.8 | T0054445199  | 1             |  |
| LHT-F Chisel Tip      | 9.3            | 1.8 | T0054445099  | 1             |  |
| LHT Measuring Tip     |                |     | T0054445399  | 1             |  |
| LHTDX Bent Chisel Tip | 5.0            | 2.0 | T0054446200  | 1             |  |
| LHTEX Bent Chisel Tip | 7.0            | 2.0 | T0054446100  | 1             |  |
| LHTFX Bent Chisel Tip | 10.0           | 2.0 | T0054446000  | 1             |  |



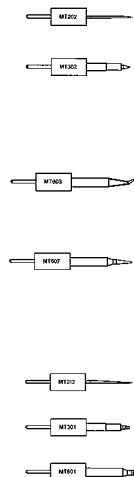
### RT SERIES to suit WMRP pencil

| Description                  | Tip Size<br>mm | mm   | Material No. | Shelf<br>Pack |  |
|------------------------------|----------------|------|--------------|---------------|--|
| RT1 Needle Tip               | 0.2            |      | T0054460199  | 1             |  |
| RT1C Chisel Tip              | 0.4            | 0.15 | T0054461299  | 1             |  |
| RT2 Point Tip                | 0.8            |      | T0054460299  | 1             |  |
| RT3 Chisel Tip - Straight    | 1.3            | 0.4  | T0054460399  | 1             |  |
| RT4 Chisel Tip - 1.5mm thick | 1.5            | 0.4  | T0054460499  | 1             |  |
| RT5 Chisel Tip, bent, 30°    | 0.8            | 0.4  | T0054460599  | 1             |  |
| RT6 Round Tip, bevelled, 45° | 1.2            |      | T0054460699  | 1             |  |
| RT7 Knife Tip, sloped, 45°   | 2.2            |      | T0054460799  | 1             |  |
| RT8 Chisel Tip               | 2.2            | 0.4  | T0054460899  | 1             |  |
| RT9 Chisel Tip               | 0.8            | 0.4  | T0054460999  | 1             |  |
| RT10GW Gull Wing             | 1.2            | 2.0  | T0054461099  | 1             |  |
| RT11 Chisel Tip              | 3.6            | 0.9  | T0054461199  | 1             |  |
| RT Measuring Tip             |                |      | T0054461399  | 1             |  |



## Replacement Soldering Tips

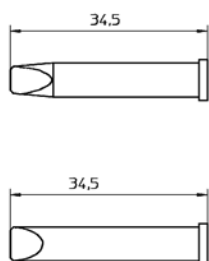
### MT SERIES to suit MT1500D Soldering Station



| Description               |                                               | Material No. | Shelf Pack |  |
|---------------------------|-----------------------------------------------|--------------|------------|--|
| Standard Tips Conical     | Needle, .030 Calibration Tip                  | MT202        | 1          |  |
|                           | Conical Sharp, 0.16 x 530L                    | MT302        | 1          |  |
|                           | Conical Sharp, .020 x 530L                    | MT606        | 1          |  |
| Conical Bent              | Conical Bent, 30 Deg. .015 x 320L             | MT303        | 1          |  |
|                           | Conical Bent, 30 Deg. .020 x 600L             | MT603        | 1          |  |
|                           | Conical Bent (Sharp) 30 Deg. .016 x 560L      | *MT605       | 1          |  |
| Bevel                     | Bevel, 30 Deg., .020 Dia. x .580              | MT607        | 1          |  |
|                           | Bevel, 30 Deg., .040 Dia. x .560              | *MT608       | 1          |  |
| Screwdriver               | Screwdriver, .045 W x .005 THK x 1.0L non wet | MT211        | 1          |  |
|                           | Screwdriver, .045 W x .005 THK x 1.0L non wet | MT212        | 1          |  |
|                           | Screwdriver, .047 x 200L                      | MT301        | 1          |  |
|                           | Screwdriver, .070 x 385L                      | MT601        | 1          |  |
|                           | Screwdriver, .100 x 390L                      | *MT602       | 1          |  |
|                           | Screwdriver, .200 x 350L                      | *MT610       | 1          |  |
| Surface Mount Tips PLCC'S | Quad PLCC-44, .70 SQ., Flex Leg               | MT1203F      | 1          |  |
|                           | Quad PLCC-68, 1.000 SQ., Flex Leg             | MT1208F      | 1          |  |
|                           | Quad PLCC-18, .335 x 535                      | *MT1212      | 1          |  |
|                           | Quad PLCC-28, .500 SQ.                        | *MT1201      | 1          |  |
|                           | Quad PLCC-32, .500 x 600                      | *MT1204      | 1          |  |
| SIP                       | SIP (Blade) .410L                             | MT617        | 1          |  |
| CHIP                      | CHIP 1206/1210, .135W x .070L                 | *MT618       | 1          |  |
|                           | CHIP SOT 23, 068W x .100L                     | *MT624       | 1          |  |

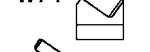
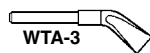
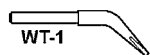


### XT SERIES to suit WP120 Soldering Pencil



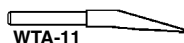
| Description | Width mm | Height mm | Length mm | Material No. | Shelf Pack |  |
|-------------|----------|-----------|-----------|--------------|------------|--|
| XTAL Chisel | 1.6      | 1.0       | 39        | T0054470199  | 1          |  |
| XTM Chisel  | 3.2      | 1.2       | 39        | T0054470299  | 1          |  |
| XTA Chisel  | 1.6      | 0.7       | 36        | T0054470399  | 1          |  |
| XTB Chisel  | 2.4      | 0.8       | 36        | T0054470499  | 1          |  |
| XTC Chisel  | 3.2      | 0.8       | 36        | T0054470599  | 1          |  |
| XTD Chisel  | 4.6      | 0.8       | 34.5      | T0054470699  | 1          |  |
| XTE Chisel  | 5.9      | 1.2       | 34.5      | T0054470799  | 1          |  |

## Replacement Soldering Tips

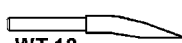


### WT SERIES to suit WT-50 Thermal Tweezers

| Strip Size                     | Tip Size mm | "x" mm |        | Material No. | Shelf Pack |  |
|--------------------------------|-------------|--------|--------|--------------|------------|--|
| 0405-1805, SOD80, MELF         | 1.0         | 11.0   | WTA-1  | T0054414199  | 1pr        |  |
| 1808-1812, SOD87, SOT23, SOD89 | 3.0         | 11.0   | WTA-2  | T0054414699  | 1pr        |  |
| SOT192, S04-S0                 | 6.0         | 11.0   | WTA-3  | T0054414799  | 1pr        |  |
| S014, S016, SOJ14, SOJ16       | 12.5        | 10.0   | WTA-4  | T0054414399  | 1pr        |  |
| S020, S020L, SOJ20             | 18.5        | 12.0   | WTA-5  | T0054414499  | 1pr        |  |
| VERTICAL USE                   | 1.0         |        | WTA-11 | T0054415299  | 1pr        |  |
| VERTICAL USE                   | 3.0         |        | WTA-12 | T0054415399  | 1pr        |  |



WTA-11



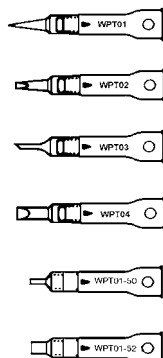
WTA-12

### NOZZLES to suit QWB2000 and QWB3000

| Nozzle Housing Inside mm x mm | Nozzle Housing Outside mm x mm | Material No. | Shelf Pack |  |
|-------------------------------|--------------------------------|--------------|------------|--|
| 7.6 x 7.9                     | 8.6 x 8.9                      | T0058747947  | 1          |  |
| 6.5 x 6.5                     | 7.5 x 7.5                      | T0058747943  | 1          |  |
| 8.5 x 8.5                     | 9.5 x 9.5                      | T0058747945  | 1          |  |
| 8.5 x 10.6                    | 9.5 x 11.6                     | T0058747961  | 1          |  |
| 10 x 10                       | 11 x 11                        | T0058754967  | 1          |  |
| 12 x 12                       | 13 x 13                        | T0058747848  | 1          |  |
| 13.5 x 13.5                   | 14.3 x 14.3                    | T0058747904  | 1          |  |
| 15.5 x 15.5                   | 16.5 x 16.5                    | T0058747935  | 1          |  |
| 15 x 11                       | 16 x 12                        | T0058747893  | 1          |  |
| 18.5 x 10                     | 19.5 x 11                      | T0058754836  | 1          |  |
| 15.5 x 23.5                   | 16.5 x 24.5                    | T0058747977  | 1          |  |
| 18 x 18                       | 20 x 20                        | T0058747833  | 1          |  |
| 21 x 21                       | 23 x 23                        | T0058754770  | 1          |  |
| 22 x 22                       | 24 x 24                        | T0058754820  | 1          |  |
| 25 x 25                       | 27 x 27                        | T0058747764  | 1          |  |
| 27 x 23                       | 29 x 25                        | T0058747993  | 1          |  |
| 27 x 27                       | 29 x 29                        | T0058747850  | 1          |  |
| 29 x 29                       | 31 x 31                        | T0058747927  | 1          |  |
| 28 x 32                       | 30 x 34                        | T0058747999  | 1          |  |
| 33 x 33                       | 35 x 35                        | T0058747906  | 1          |  |
| 35 x 35                       | 37 x 37                        | T0058754887  | 1          |  |
| 37 x 37                       | 39 x 39                        | T0058747753  | 1          |  |
| 39.5 x 39.5                   | 41.5 x 41.5                    | T0058747871  | 1          |  |
| 42 x 42                       | 44 x 44                        | T0058747874  | 1          |  |
| 45 x 11                       | 47 x 13                        | T0058754903  | 1          |  |
| 45 x 26                       | 47 x 28                        | T0058754905  | 1          |  |
| 46 x 46                       | 48 x 48                        | T0058747763  | 1          |  |
| 47 x 47                       | 49 x 49                        | T0058747916  | 1          |  |
| 49 x 49                       | 51 x 51                        | T0058747941  | 1          |  |
| 57 x 18.5                     | 59 x 20                        | T0058747985  | 1          |  |
| 55 x 45                       | 57 x 47                        | T0058755749  | 1          |  |
| Adaptor                       |                                | T0058747770  | 1          |  |
| Adaptor QFP Nozzles           |                                | T0058754970  | 1          |  |

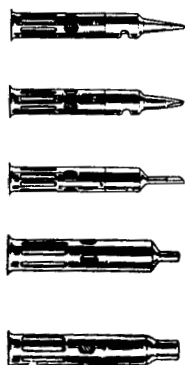
## Replacement Soldering Tips

### WPT0 SERIES PYROPEN TIPS, Suit WSTA6 Auto Ignition Jr.



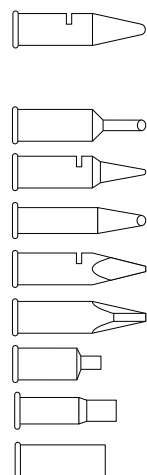
| Description | Tip Size mm | Material No. | Shelf Pack |  |
|-------------|-------------|--------------|------------|--|
| Taper       | 1.0         | WPT01        | 1          |  |
| Screwdriver | 2.4         | WPT02        | 1          |  |
| Chisel      | 2.0         | WPT03        | 1          |  |
| Screwdriver | 5.0         | WPT04        | 1          |  |
| Nozzle      | 1.5         | WHC0150      | 1          |  |
| Nozzle      | 4.7         | WHC0152      | 1          |  |

### WPT SERIES PYROPEN TIPS, Suit WST2 Junior



| Description    | Tip Size mm | Material No. | Shelf Pack |  |
|----------------|-------------|--------------|------------|--|
| Tapered Needle | 0.5         | WPT15        | 1          |  |
| Chisel         | 3.0         | WPT16        | 1          |  |
| Spade          | 3.0         | WPT17        | 1          |  |
| Hot Blow       | 1.5         | WHC54        | 1          |  |
| Hot Blow       | 4.9         | WHC55        | 1          |  |

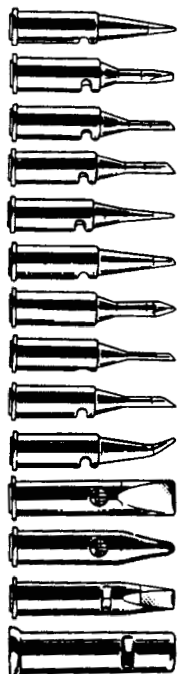
### REPLACEMENT TIPS JUMBO PYROPEN WSTA5



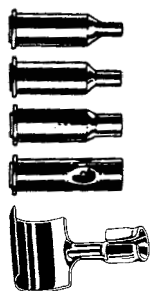
| Description       | Tip Size mm | Material No. | Shelf Pack |  |
|-------------------|-------------|--------------|------------|--|
| Conical           | 3mm         | 720101AU     | 1          |  |
| Chisel            | 2mm         | 720102       | 1          |  |
| Spade             | 4mm         | 720103       | 1          |  |
| Conical           | 2mm         | 720105       | 1          |  |
| Spade             | 4mm         | 720106       | 1          |  |
| Pyramid           | 2mm         | 720107AU     | 1          |  |
| Flat              | 3mm         | 720113       | 1          |  |
| Hot Blow          | 4mm         | 720151       | 1          |  |
| Hot Blow          | 6mm         | 720152       | 1          |  |
| Hot Blow          | 10mm        | 720153       | 1          |  |
| Small Heat Shrink |             | 720154       | 1          |  |
| Large Heat Shrink |             | 720155       | 1          |  |

## Replacement Soldering Tips

### WPT SERIES PYROPEN TIPS, Suits WSTA3 and WPA2

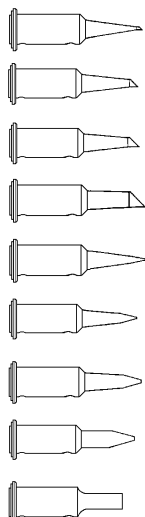


| Description           | Tip Size mm | Material No. | Shelf Pack |  |
|-----------------------|-------------|--------------|------------|--|
| Taper                 | -           | WPT1         | 1          |  |
| Chisel                | 2.0         | WPT2         | 1          |  |
| Spade                 | 2.0         | WPT3         | 1          |  |
| Spade 45°             | 3.0         | WPT4         | 1          |  |
| Taper Needle          | -           | WPT5         | 1          |  |
| Micro Spade           | 2.0         | WPT6         | 1          |  |
| Square Taper Pyramid  | 0.5         | WPT7         | 1          |  |
| Spade 35°             | 2.0         | WPT8         | 1          |  |
| Spade 35°             | 3.0         | WPT9         | 1          |  |
| Offset Tapered Needle | 1.0         | WPT10        | 1          |  |
| Chisel                | 8.0         | WPT11        | 1          |  |
| Round Head Needle     | 3.0         | WPT12        | 1          |  |
| Long Tapered Needle   | 5.0         | WPT13        | 1          |  |
| Threaded Tip Base     | -           | WPT14        | 1          |  |



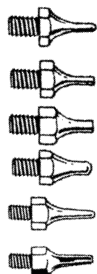
|                              |        |       |   |  |
|------------------------------|--------|-------|---|--|
| Hot Blow                     | 2.5 ID | WHC50 | 1 |  |
| Hot Blow                     | 3.3 ID | WHC51 | 1 |  |
| Hot Blow                     | 4.9 ID | WHC52 | 1 |  |
| Hot Blow                     | 7.4 ID | WHC53 | 1 |  |
| Heat Shrink Attachment Long  |        | WAR54 | 1 |  |
| Heat Shrink Attachment Small |        | WAR55 | 1 |  |

### PSI SERIES PORTASOL TIPS Suit PSI-100 Irons



| Description | Tip Size mm | Material No. | Shelf Pack |  |
|-------------|-------------|--------------|------------|--|
| Single Flat | 1.0         | PSI1         | 1          |  |
| Single Flat | 2.4         | PSI2         | 1          |  |
| Single Flat | 3.2         | PSI3         | 1          |  |
| Single Flat | 4.8         | PSI4         | 1          |  |
| Single Flat | 1.0         | PSI5         | 1          |  |
| Double Flat | 2.4         | PSI6         | 1          |  |
| Double Flat | 3.2         | PSI7         | 1          |  |
| Double Flat | 4.8         | PSI8         | 1          |  |
| Hot Blow    | -           | PSI9         | 1          |  |
| Hot Knife   | -           | PSI10        | 1          |  |

## Replacement Desoldering Tips



### DS SERIES TIPLETS Suit DS102, DS651, DS1201, Tools and DS650 Station/DS80UNC/DSV80

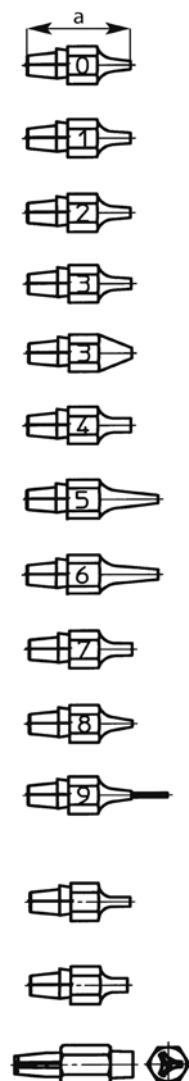
| Description | mm   | Tip Size<br>mm | mm    | Material No. | Shelf<br>Pack |  |
|-------------|------|----------------|-------|--------------|---------------|--|
| DS110       | 0.63 | 1.52           | 12.7  | DS110        | 1             |  |
| DS111       | 0.63 |                |       | DS111        | 1             |  |
| DS112       | 0.91 | 1.93           | 12.7  | DS112        | 1             |  |
| DS113       | 1.16 | 2.48           | 12.7  | DS113        | 1             |  |
| DS114       | 1.80 | 3.25           | 12.7  | DS114        | 1             |  |
| DS115       | 0.63 |                |       | DS115        | 1             |  |
| DS116       | 1.14 | 2.48           | 19.05 | DS116        | 1             |  |
| DS117       | 0.63 | 2.28           | 19.05 | DS117        | 1             |  |
| DS118       |      |                |       | DS118        | 1             |  |



### DSH SERIES TIPLETS Suit DS1203A Tools and WDD80V/DS80UNC/DSV80

| Description | mm   | Tip Size<br>mm | mm    | Material No. | Shelf<br>Pack |  |
|-------------|------|----------------|-------|--------------|---------------|--|
| DS119       | 0.63 | 2.48           | 19.05 | T0051352700  | 1             |  |

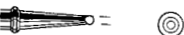
### DSX SERIES CAM LOCK TIPS



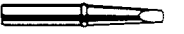
| Description                                                                                                                | Outside<br>Ø | Inside<br>Ø | Length<br>a | Material No. | Shelf<br>Pack |  |
|----------------------------------------------------------------------------------------------------------------------------|--------------|-------------|-------------|--------------|---------------|--|
| DX110 NOZZLE                                                                                                               | 1.9          | 0.7         | 23          | T0051314000  | 1             |  |
| DX111 NOZZLE                                                                                                               | 2.5          | 0.7         | 23          | T0051314100  | 1             |  |
| DX112 NOZZLE                                                                                                               | 2.3          | 1.0         | 23          | T0051314200  | 1             |  |
| DX113 NOZZLE                                                                                                               | 2.5          | 1.2         | 23          | T0051314300  | 1             |  |
| DX113HM NOZZLE with improved thermal transfer                                                                              | 2.5          | 1.2         | 23          | T0051315000  | 1             |  |
| DX114 NOZZLE                                                                                                               | 3.3          | 1.8         | 23          | T0051314400  | 1             |  |
| DX115 NOZZLE                                                                                                               | 1.9          | 0.7         | 27          | T0054460199  | 1             |  |
| DX116 NOZZLE                                                                                                               | 2.7          | 1.2         | 27          | T0051314600  | 1             |  |
| DX117 NOZZLE                                                                                                               | 2.9          | 1.5         | 23          | T0051314700  | 1             |  |
| DX118 NOZZLE                                                                                                               | 1.5          | 0.7         | 23          | T0051314800  | 1             |  |
| DX119 Needle tiplet with non wettable stainless steel tube for removal of solder bridges in connection with hot air pencil | 1.1          | 0.7         | 31          | T0051315100  | 1             |  |
| DX120 NOZZLE without inside tube for cleaning SMD pads                                                                     | 2.5          | 1.1         | 22          | T0051315200  | 1             |  |
| DX MEASURING Measuring nozzle                                                                                              | 3.3          | 0.55        | 21.5        | T0051315399  | 1             |  |
| DX Cleaning Tool (Conus insert cleaning tool)                                                                              |              |             |             | T0058706794  | 1             |  |
| Nozzle Set DX110-DX115                                                                                                     |              |             |             | T0051379099  | 1             |  |

## Replacement Soldering Tips

### CT5 SERIES Suits W60D Soldering pencil

|                                                                                   | Description | Tip Size mm | Reach mm | Material No.  |               |               | Shelf Pack |  |
|-----------------------------------------------------------------------------------|-------------|-------------|----------|---------------|---------------|---------------|------------|--|
|                                                                                   |             |             |          | 600°F (315°C) | 700°F (371°C) | 800°F (427°C) |            |  |
|   | Screwdriver | 1.6         | 29.36    |               | CT5A7         | CT5A8         | 1          |  |
|   | Spade       | 1.6         | 19.00    | CT5AA6        | CT5AA7        | CT5AA8        | 1          |  |
|   | Screwdriver | 2.4         | 29.36    |               | CT5B7         | CT5B8         | 1          |  |
|   | Spade       | 2.4         | 19.00    | CT5BB6        | CT5BB7        |               | 1          |  |
|   | Screwdriver | 3.2         | 29.36    | CT5C6         | CT5C7         | CT5C8         | 1          |  |
|   | Spade       | 3.2         | 19.00    | CT5CC6        | CT5CC7        | CT5CC8        | 1          |  |
|   | Screwdriver | 4.8         | 29.36    |               | CT5D7         | CT5D8         | 1          |  |
|   | Spade       | 4.8         | 19.00    |               | CT5DD7        | CT5DD8        | 1          |  |
|   | Screwdriver | 6.35        | 29.36    |               | CT5E7         |               | 1          |  |
|  | Spade       | 6.35        | 19.00    |               | CT5EE7        |               | 1          |  |

### CT6 SERIES Suits W100D Soldering pencils

|                                                                                    |                                            |      |      |       |             |       |   |  |
|------------------------------------------------------------------------------------|--------------------------------------------|------|------|-------|-------------|-------|---|--|
|  | Screwdriver                                | 3.18 | 37.3 | CT6C6 | CT6C7       | CT6C8 | 1 |  |
|  | Screwdriver                                | 4.76 | 37.3 | CT6D6 | CT6D7       |       | 1 |  |
|  | Screwdriver                                | 6.35 | 37.3 | CT6E6 | CT6E7       | CT6E8 | 1 |  |
|  | Screwdriver                                | 9.52 | 37.3 | CT6F6 | CT6F7       | CT6F8 | 1 |  |
|  | Welding Mirror (50 x 40 x 4) teflon coated |      |      |       | T0051176799 |       |   |  |

### CT2 SERIES Suits W201 Soldering Iron

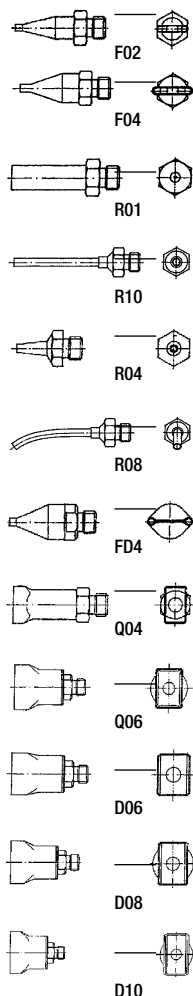
|                                                                                    |                                   |      |      |   |             |             |   |  |
|------------------------------------------------------------------------------------|-----------------------------------|------|------|---|-------------|-------------|---|--|
|  | Screwdriver (CT2E7, CT2E8)        | 7.0  |      | - | T0054240799 | T0054240899 | 1 |  |
|  | Screwdriver (CT2F6, CT2F7, CT2F8) | 10.0 |      | - | T0054241799 | T0054241899 | 1 |  |
|  | Screwdriver (CT2G8)               | 11.0 | 425° |   | T0054242899 |             | 1 |  |



## S.M.T. Soldering and Desoldering Accessories

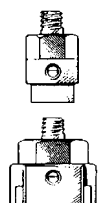


### HOT AIR NOZZLES FOR HAP1 Hot Air Pencil



| Description |                    |                    | Material No. | Shelf Pack |  |
|-------------|--------------------|--------------------|--------------|------------|--|
| F02         | Flat Nozzle        | 8 x 1.5mm          | T0058727774  | 1          |  |
| F04         | Flat Nozzle        | 10 x 1.5mm         | T0058727773  | 1          |  |
| F06         | Flat Nozzle        | 12 x 1.5mm         | T0058727772  | 1          |  |
| R01         | Calibrating Nozzle |                    | T0058727808  | 1          |  |
| R10         | Straight Nozzle    | 2.5mm diam.        | T0058727787  | 1          |  |
| R02         | Nozzle             | 0.8mm diam.        | T0058727823  | 1          |  |
| R04         | Nozzle             | 1.2mm diam.        | T0058727821  | 1          |  |
| R06         | Nozzle             | 3.0mm diam.        | T0058727822  | 1          |  |
| R08         | Bent Nozzle        | 2.5mm diam.        | T0058727786  | 1          |  |
| FD2         | Dual Nozzle        | 1.5mm diam. x 8mm  | T0058727776  | 1          |  |
| FD4         | Dual Nozzle        | 1.5mm diam. x 10mm | T0058727775  | 1          |  |
| Q02         | Nozzle             | 6 x 6.5mm          | T0058727777  | 1          |  |
| Q04         | Nozzle             | 6 x 9mm            | T0058727778  | 1          |  |
| Q06         | Nozzle             | 15 x 10mm          | T0058727780  | 1          |  |
| Q08         | Nozzle             | 12.5 x 15mm        | T0058727783  | 1          |  |
| Q10         | Nozzle             | 18 x 18mm          | T0058727785  | 1          |  |
| D06         | Nozzle             | 10 x 13mm          | T0058727782  | 1          |  |
| D08         | Nozzle             | 15 x 10mm          | T0058727781  | 1          |  |
| D10         | Nozzle             | 10 x 18mm          | T0058727784  | 1          |  |

### C.S.F. SERIES TIPPLETS suits most Weller desoldering tools



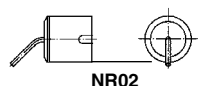
| Description |     | Width x Length | Material No. | Shelf Pack |  |
|-------------|-----|----------------|--------------|------------|--|
| CSFD2       | S0  | 5.8 x 10.5mm   | CSFD2        | 1          |  |
| CSFQ1       | QFP | 17 x 17mm      | CSFQ1        | 1          |  |
| CSFQ2       | QFP | 17 x 23mm      | CSFQ2        | 1          |  |

Many NEW stock sizes available. Also adaptors to suit all Weller and some other brand desoldering tools.

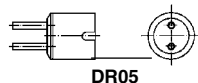
## S.M.T. Soldering and Desoldering Accessories



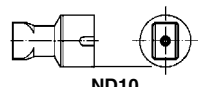
### HOT AIR NOZZLES FOR WHA300/1000/2000 Stations



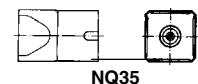
NR02



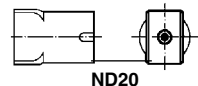
DR05



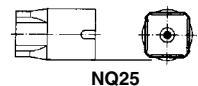
ND10



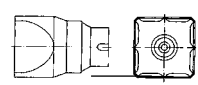
NQ35



ND20



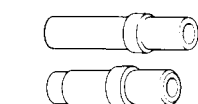
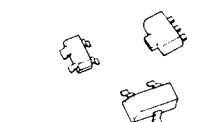
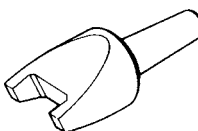
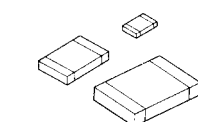
NQ25



NQ45

| Description | Material No.                                                                                                                                          | Shelf Pack  |   |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|---|
| NR02        | 1.7mm diam. 45° bend. Hot blow only                                                                                                                   | T0058736882 | 1 |
| NR04        | 2.5mm diam. straight. Hot blow only                                                                                                                   | T0058736881 | 1 |
| DR05        | 2 x 2.5mm 9.5mm ctrs. Hot blow only                                                                                                                   | T0058736883 | 1 |
| NR05        | 4mm diam. straight. Hot blow only                                                                                                                     | T0058736867 | 1 |
| NR10        | 0.7mm                                                                                                                                                 | T0058736870 | 1 |
| ND05        | 10.8 x 7mm S014, S016                                                                                                                                 | T0058736843 | 1 |
| ND10        | 14 x 10mm S0L14, S0L16, S0L16-J, S0L20, S0L-J20                                                                                                       | T0058736842 | 1 |
| ND15        | 19 x 12mm S0L24, S0L-J24, S0L-28, S0L-J28                                                                                                             | T0058736841 | 1 |
| ND20        | 21.5 x 14.8mm S0L 32                                                                                                                                  | T0058736840 | 1 |
| NQ05        | 10.7 x 10.7mm PLCC20, LCCC14, LCCC24, C-QFP24                                                                                                         | T0058736839 | 1 |
| NQ10        | 14.8 x 14.8mm PLCC28, QFP44, LCCC28, QFP48                                                                                                            | T0058736818 | 1 |
| NQ15        | 14.5 x 10mm PLCC32R                                                                                                                                   | T0058736838 | 1 |
| NQ20        | 15.5mm x 13mm                                                                                                                                         | T0058736837 | 1 |
| NQ25        | 18 x 18mm PLCC44, CLCC44, PQFP44, PQFP60, QFP64, QFP60, TSOP100, QFP100                                                                               | T0058736814 | 1 |
| NQ30        | 17.5 x 23.5mm QFP56, QFP60, QFP64, QFP80, QFP88, QFP100                                                                                               | T0058750721 | 1 |
| NQ35        | 20.5 x 20.5mm PLCC52, BQFP84                                                                                                                          | T0058736807 | 1 |
| NQ40        | 26 x 26mm C-QFP64, PLCC68, CLCC68                                                                                                                     | T0058736804 | 1 |
| NQ45        | 31.3 x 31.3mm CLCC84, PLCC84, QFP100, QFP120, QFP128, QFP132, QFP136, QFP144, QFP160, C-QFP80, BQFP164, BQFP132, MQAD208L, MQAD184L, MQAD144L, QFP208 | T0058736833 | 1 |
| NQ50        | 36 x 36mm QFP240                                                                                                                                      | T0058736891 | 1 |
| NQ55        | 43 x 43mm CQFP304                                                                                                                                     | T0058736890 | 1 |
| NA20        | Measuring Nozzle                                                                                                                                      | T0058736875 | 1 |

### S.M.T. TIPPLETS suits WTCPS/T and EC Stations with EC1201 pencils WES50D and WSP80 Stations



| Description        | Chip         | Size            | Material No. | Shelf Pack |  |
|--------------------|--------------|-----------------|--------------|------------|--|
|                    | 0705         | 1.8 x 1.3 x 1.0 | SMT0805B     | 1          |  |
|                    | 0805         | 2.0 x 1.3 x 1.3 | SMT0805B     | 1          |  |
| Small Outline I.C. |              |                 |              |            |  |
| SMT8K              | S08          | 5.0 x 4.0 x 1.7 | SMT8K        | 1          |  |
| Adaptors           |              |                 |              |            |  |
|                    | SMTA (WSP80) |                 | T0054441799  | 1          |  |

## Fume Extraction

Many work environments today, including soldering, adhesives, welding and laser applications, create particles and gases that can be harmful to the work place and the environment. Most people thought that the move to lead-free soldering would be more nature friendly. In reality lead-free soldering smoke emissions contain more breathable fine dust particles. More and smaller particles are produced due to the higher working temperatures required and because more flux is used in the soldering process.

In many countries legal regulations governing clean air in the work place require that hazardous substances are removed from the air in order to avoid harmful effects on people and machines.

It is important to use the correct safety equipment to remove these hazardous substances. Fine particles are more dangerous to inhale than big particles as they get caught more easily and block the alveoli in the lungs.

To protect the operator it is important to use an extraction system that is able to separate these particles and gases and then re-circulates the cleaned air back into the work place. This saves energy and reduces energy costs.

**Weller® Zero-Smog® Systems offer two solutions for fume extraction:**

### Tip Extraction

Weller® FE (Fume Extraction) soldering irons have a smoke tube integrated into the handle. When soldering the tube is positioned directly above the joint and collects any fumes produced. Fume extraction attachments can be retro fitted to non fume extraction Weller® soldering irons.

- Less investment per work place
- Collect pollution direct at source
- Up to 20 collection points with one system (200 m apart)
- Ergonomic friendly with easy access to work place
- No noise
- Minimal air movement

### Tip Extraction



### Volume Extraction

More suitable for applications involving, for example, solder baths, hot air soldering, micro solders and gluing work. Weller® offers various mobile systems that purify the air at up to a maximum of 8 workplaces.

- Larger areas can be covered
- Low maintenance
- Mobile
- Quick & easy installation
- Economic for 1 to 8 work places
- Remote control

### Volume Extraction



## Filter Technology

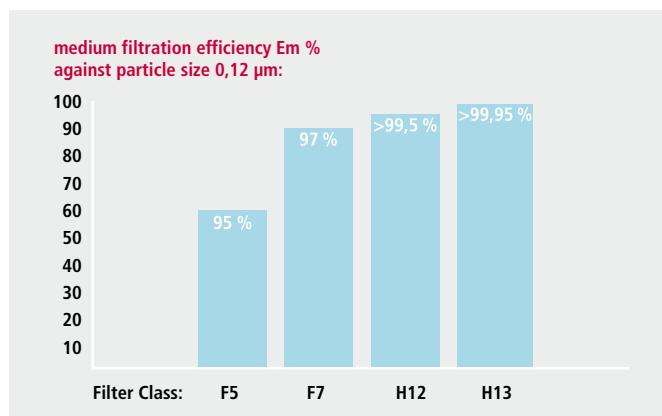
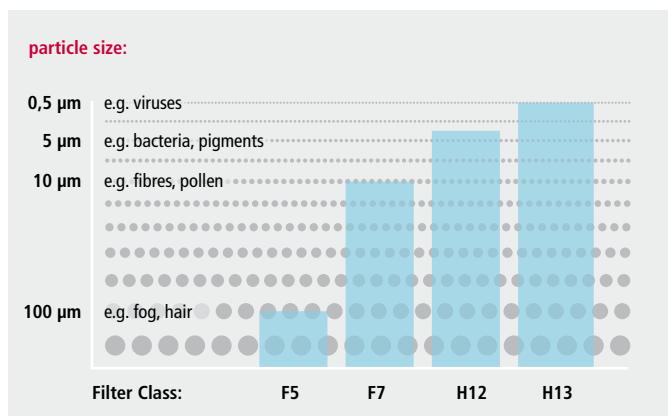
Weller® Zero-Smog® Systems are specifically designed for continuous operation in industrial environments. Care and attention at the design stage plus careful component choice and a high quality manufacturing process have given Weller® extraction systems a world wide reputation for reliability and longevity.

Weller® Zero-Smog® Systems have a **three stage filter system** for removing small particles, fumes and gases that are produced in different working processes:

1. The hazardous substances are efficiently captured by the nozzle and are absorbed into the filter.
2. Bigger particles get caught in the pre-filter and smaller particles get caught in the HEPA (High Efficiency Particulate Air) filter.
3. The Wide Band Gas Filter removes fumes and adhesives.

End product – clean air – is re-circulated into the workplace.

| Filter Class | Recommended Application                 |
|--------------|-----------------------------------------|
| F 5          | for standard applications               |
| F 7          | for applications with high flux content |
| H12 / H13    | filter for clean rooms<br>1000 – 100    |

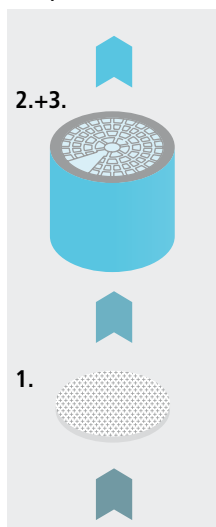


Filter Class F5, F7: Fine dust filter as per EN 779

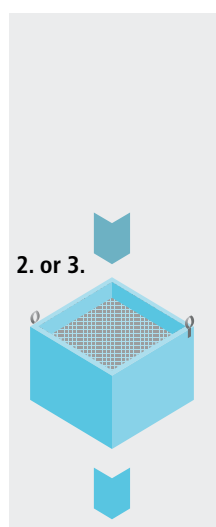
Filter Class H12/H13: According EN 1822 HEPA (High Efficiency Particulate Air) Filter

## Filter Process

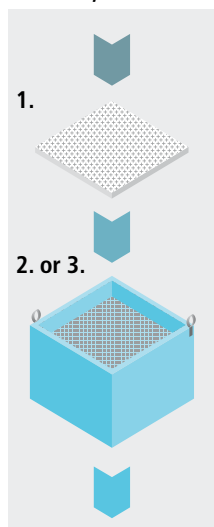
### WFE, WFE P



### WFE 2X



### WFE 20D, WFE 2S, WFE 4S, WFE 8S, WFE 2ES, WFE 2CS



### 1. Fine dust filter

For standard applications with a small amount of flux and pollution gases with high solid content, Weller® offers filter classes **F5** or **F7**.

### 2. Compact filter consisting of: HEPA filter

Filters particles up to 0.3 µm. Weller offers HEPA (High Efficiency Particulate Air) filters of class **H12** and **H13**, medium filtration efficiency 99.5% / 99.95%.

### Wide band gas filter

For cleaning harmful fumes and vapours. The Weller wide band gas filter consists of **50% active carbon** and **50% Puratex**. Harmful gases with a high molecular weight are cleaned by the active carbon. Puratex is suitable for absorbing gases of lower molecular weight. Because of its composition, Puratex is able to convert a large number of chemical pollutants by means of molecular modification into non-polluting gases.

### 3. Gas filter (option)

The gas filter is used for extracting adhesive fumes and solvents. Experience has shown that filtering suspended particles is not so vital in this respect. The gas filter is filled with **50% active carbon** and **50% Puratex**. The HEPA H12 and H13 is omitted.

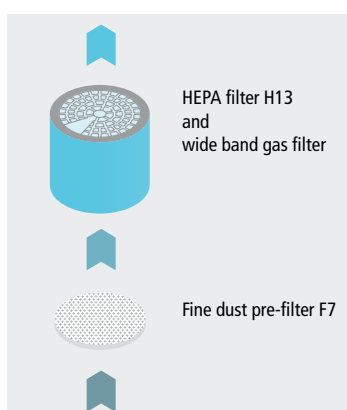
## Solder Fume Extracting Unit



ESD safe



low sound level



### Description

#### WFEP2

The Weller® WFE P2 is a line voltage fume extraction unit designed to run with one or two FE (Fume Extraction) soldering irons. The WFE P2 has an electric, long-life, soundproofed vacuum pump to produce the required vacuum - it does not need a compressed air supply. The vacuum pump has two power settings which can be selected by means of rocker switches depending on the number of FE soldering irons connected to the unit. This saves energy. The motor is maintenance-free and has a thermal over load to protect the unit. The filter lift system allows fast and convenient main filter replacement. FE soldering irons are connected directly to unit - additional leads are not required.

- Up to 2 FE soldering irons can be connected
- Electric vacuum pump to produce the required vacuum
- 2 power stages for higher extraction performance with 2 FE soldering irons
- Portable unit for stand alone applications.

#### Scope of supply includes:

- WFE P Fume extraction unit
  - Compact filter
- Consists of: HEPA filter H13, wide band gas filter (50% active carbon, 50% Puratex)

#### Technical Data:

Maximum capacity 2 FE soldering irons  
Sound level <45 db (A) at 1m distance  
Operating voltage 230V/50Hz  
Power input 70W  
Maximum vacuum 30.000 Pa  
Height 295mm (11.6in)  
Diameter 140mm (5.5in)  
Weight 4kg/8.8lb

### Material No.

T0053624599



### Shelf Pack

1

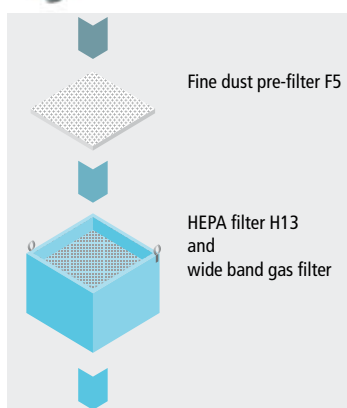
## Weller® WFE20D



ESD safe



low sound level



### WFE20D

Solder fume extraction unit with built-in turbine for up to 20FE soldering irons

Consists of:

- Extraction Unit
- Fine Dust filter F7
- Compact filter
- Wide Band Gas filter  
(50% Active Carbon, 50% Puratex)
- ROHS & WEEE compliant

T0053647699



1

### WFE 20D Mobile Fume Extraction Unit

The WFE 20D has been designed for fume extraction direct from the soldering tip. Up to 5 Weller FE soldering irons can be connected directly. The capacity is 20 FE soldering irons with the optional DN 40 tubing system. The powerful maintenance free electronically controlled turbine provides a maximum vacuum of 12.000 Pa. The microprocessor also ensures detection of operating hours and the status of filter absorbcency. The three-stage filter system is suitable for use with soldering fumes. The filter system consists of a fine particulate air filter F5 and a combined submicron particulate air filter H13 plus wide band gas filter (50 % AKF, 50 % Puratex).

It removes 99,95 % of contaminants up to 0,12 µm according to EN 1822.

#### Characteristics:

- Two operating modes:  
Mode 0: Vacuum regulated to 12.000 Pa  
Mode 1: Extraction performance can be set between 20% - 100% with the control buttons.
- Electronic filter check (LED) through differential pressure measurement. If the specified degree of contamination is exceeded, the unit switches off.
- Electronic filter operation status display. For better management of filter change intervals - the filter operating hours can be pre-specified. The need for filter change is indicated in good time allowing adequate time for filter procurement and replacement. Interface RS 232 for remote monitoring or remote control.
- Remote control available as accessory.

#### Attributes:

- Up to 40 FE soldering irons can be connected
- Electric driven, maintenance free turbine produces the required vacuum
- 4 wheels to allow easy movement of the unit
- Mobile unit for central and stand alone applications
- Central installation for pipe systems up to 200 m (7874 in)

#### Technical Data:

Maximum capacity 40 FE soldering irons  
Sound level <51 db (A) at 1m distance  
Operating voltage 230V/50Hz 120V/60Hz  
Power input 630VA  
Maximum vacuum 12.000 Pa  
Max. delivery rate 100 m³/h  
Dimensions (L x W x H) 450 x 450 x 695 mm, 17.7 x 17.7 x 27.3 in  
Weight 45kg/99lb

## Solder Fume Extraction Pencil Adaptors



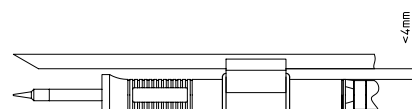
| Description                                        | Material No. | Shelf Pack |  |
|----------------------------------------------------|--------------|------------|--|
| TCP, TC201, EC1201A fume extraction pencil adaptor | AKFE11       | 1          |  |

## FE (Fume Extraction) Soldering Irons



ESD safe

| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Material No. | Shelf Pack |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------|--|
| <p>The smoke absorption tube is integrated into the handle. It can be placed over the joint when soldering but can be retracted when access to the joint is a problem and can also be removed for cleaning. The irons are temperature controlled, ergonomic and allow precise handling. These electronically controlled irons can be driven from any Weller® power unit compatible with the rating of the iron or any Weller® rework station. The range of iron power ratings and the extensive range of solder tips mean that there is an iron to suit all applications. The FE soldering irons are supplied with a burn proof hose 5mm (0.19 in) diameter, 2.5m (98.42 in) long.</p> <p><b>FE ATTACHMENTS</b></p> <p>A range of FE attachments are available to fit standard Weller® soldering and desoldering irons to convert them to fume extraction versions. The attachments are supplied with all necessary fittings and hoses. The performance of the retro-fitted tools if not affected. For Weller® soldering irons WP120, WP80, WSP80, WMP, MLR21 or soldering irons with handle diameter 10-13mm (0.39-0.51 in). Clip will be fixed with an silicone O-ring to the soldering iron.</p> <p>FE Attachment with tube, 6.0mm for WP120, WSP80, WP80, MLR21, MLR80, WMP</p> <p>FE Attachment with tube, 4.5mm for WP120, WMRP and WSP80, WP80, MLR21, MLR80, WMP for fine soldering applications</p> <p>FE Spare Clip-Set for FE attachment, tube 4.5mm (0.17 in)</p> <p>FE Spare Clip-Set for FE attachment, tube 6.0mm (0.23 in)</p> |              |            |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | T0052918699  | 1          |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | T0052918599  | 1          |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | T0058744875  | 1          |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | T0058744876  | 1          |  |



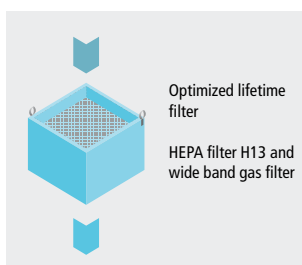
## Weller® WFE2X



ESD safe



low sound level



Optimized lifetime filter

HEPA filter H13 and wide band gas filter



### Description

#### WFE2X

Mobile fume extraction unit purifies air up to two workplaces.

The WFE2X is a fume extraction unit and is suitable for applications with a high demand for gas and particle filtration, e.g. soldering, adhesives, clean room work and laser.

It can be placed on a trolley and be moved easily between different work places.

Variable speed and the alarm function for filter exchange can be set via the remote control. For applications which produce a large quantity of particles, e.g. lead-free soldering, an external pre-filter can be fitted to increase the lifetime of the main filter. To make installation easier, the WFE2X can be suspended under the work table with special fittings. An RS 232 interface makes it possible to integrate the software with other process equipment.

#### Technical Data:

Maximum capacity 2 work places

Maximum extraction rate 140 m³/h

Sound level <52 db (A) at 1m distance

Operating voltage 100-240V/50/60Hz

Power input 100W

Maximum vacuum 2.300 Pa

Dimensions (L x W x H)

210 x 460 x 660 mm

8.3 x 18.1 x 26 in

Weight 15kg/33lb

#### WFE2X KIT 1

Mobile fume extraction kit

Includes:

- 2X Fume extraction unit 100-240V / 50/60Hz
- KIT 1 WF60 Sloped stativ extraction arm for volume extraction consists of:  
Stativ extraction arm  
Funnel nozzle  
Stop valve  
Bench mounting bracket  
Extraction hose

### Material No.

### Shelf Pack

WFE2XAU

1



WFE2XKIT1AU

1

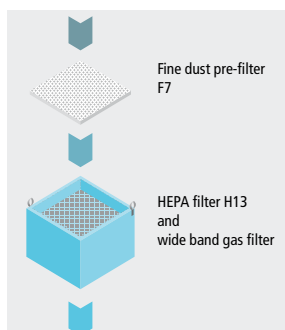
## Weller® WFE2S



ESD safe



low sound level



### Description

#### WFE2S

The fume extraction unit WFE2S is easy to install and operate. It is designed as a smaller, central system and is supplied complete with flexible hose, arm and bracket, ready for installation at the workplace. A powerful, maintenance-free pump provides continuous fume extraction at a maximum air extraction rate of 230m³/h. A built-in microprocessor controls the adjustable pump speed avoiding unnecessary waste of suction power and saving energy. To optimize the degree of pollutant separation, the WFE2S can be modified with filters for different applications.

#### Technical Data:

Maximum capacity 2 work places  
Maximum extraction rate 230 m³/h  
Sound level 48 db (A) at 1m distance  
Standard connection pipe system 50  
Operating voltage 120/230V / 50/60Hz  
Power input 275VA  
Maximum vacuum 2.700 Pa  
Dimensions (L x W x H)  
320 x 320 x 395 mm  
12.6 x 12.6 x 15.5 in  
Weight 19kg / 41.8lb

Fine main air filter (10 pack)

Main filter cartridge consists of:

- Submicron particulate air filter (H13)
- Wide band gas filter (50% active carbon, 50% Puratex)

### Material No.

### Shelf Pack

T0053626699

1



T0058735885

1

T0058735883

1

## Weller® WFE2 Kits



### WFE2 KIT 1

One Workplace

- 1 Fume extraction unit WFE2S
- 1 Extraction arm with nozzle WFAN 50, flexible, 50 mm diameter
- 1 Table-mounting set WFTB 50
- 1 Seal WFFMP 50
- 1 Flexible hose NW 50 (3 m)

### WFE2 KIT 2

Two Workplaces

- 1 Fume extraction unit WFE2S
- 2 Extraction arms with nozzle WFAN 50, flexible, 50 mm diameter
- 2 Table-mounting sets WFTB 50
- 2 Seals WFFMP 50
- 2 Flexible hoses NW 50 (3 m)
- ROHS & WEEE compliant

T0053643699

1



T0053645699

1



### WFE2 KIT 1



### WFE2 KIT 2

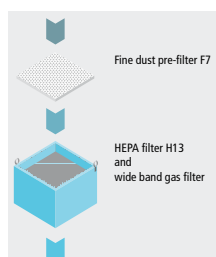


## Weller® WFE4S



### Technical Data WFE 4S:

|                                     |                                |
|-------------------------------------|--------------------------------|
| Dimensions                          | 450 x 450 x 650 mm (L x W x H) |
| Weight                              | 21 kg                          |
| Mains                               | 230V / 50Hz                    |
| Power Absorption                    | 450VA                          |
| Sound Level                         | 51 db(A)                       |
| Max. Vacuum                         | 2.800 Pa                       |
| Max. Conveyance                     | 615 m <sup>3</sup> /h          |
| Max. Capacity                       | Max. 6 work places             |
| Standard connector                  | DN 70                          |
| 3 operating modes                   | (Normal-/ ECO-/ Regelmode)     |
| LED for filter control              |                                |
| RS 232 interface for remote control |                                |



### Description

#### WFE4S

The Weller WFE4S fume extraction unit provides volume extraction capability for up to 6 work places. A powerful maintenance free variable speed motor provides an airflow rate of 615m<sup>3</sup>/h at max speed. A built-in microprocessor controls the adjustable speed of the turbine. The airflow rate is continuously displayed digitally. The microprocessor also ensures detection of operating hours and the level status of filter absorbency. The three-stage filter is fitted as standard and is easy to replace, consisting of a fine particulate air filter and combined submicron particulate air filter + wide band gas filter. The WFE 4S centralized system is supplied complete with one pipe connector (three optional) and is easily connected to the pipe system. A wide range of pipe accessories including arms with conical nozzle, flat nozzle small vent, extraction hood and tray provide for maximum flexibility.

- ROHS & WEEE compliant

#### F5 Fine particulate air filter (10 pack)

#### F7 Fine main air filter (10 pack)

#### H13 + Wide Band Gas Filter (50% Active Carbon, 50% Puratex)

#### Adhesive Fumes Filter + Wide Band Gas Filter (50% Active Carbon, 50% Puratex)

#### Pre-filter box

The pre-filter is recommended for use with solder bath, automatic soldering, laser or other major dust emitting applications. It acts as a first stage in the filter process increasing the lifetime of the main filter units. The pre-filter can be fixed directly to the top of the WFE4S or in conjunction with the WFE2S and WFE2X as an external part of the fume extraction system.

- Filter box
  - 2 x hose connections 75
- Filters must be ordered separately

| Material No.                                                                          | Shelf Pack |  |
|---------------------------------------------------------------------------------------|------------|--|
| T0053625699                                                                           | 1          |  |
|    |            |  |
| T0058735837                                                                           | 1          |  |
|    |            |  |
| T0058735836                                                                           | 1          |  |
|  |            |  |
| T0058735838                                                                           | 1          |  |
|  |            |  |
| T0058735835                                                                           | 1          |  |
| T0058735862                                                                           | 1          |  |
|  |            |  |

## Weller® WFE2ES Kit



ESD safe



low sound level

### WFE2ES ES KIT

Economy 2 Port Volume Extraction Unit

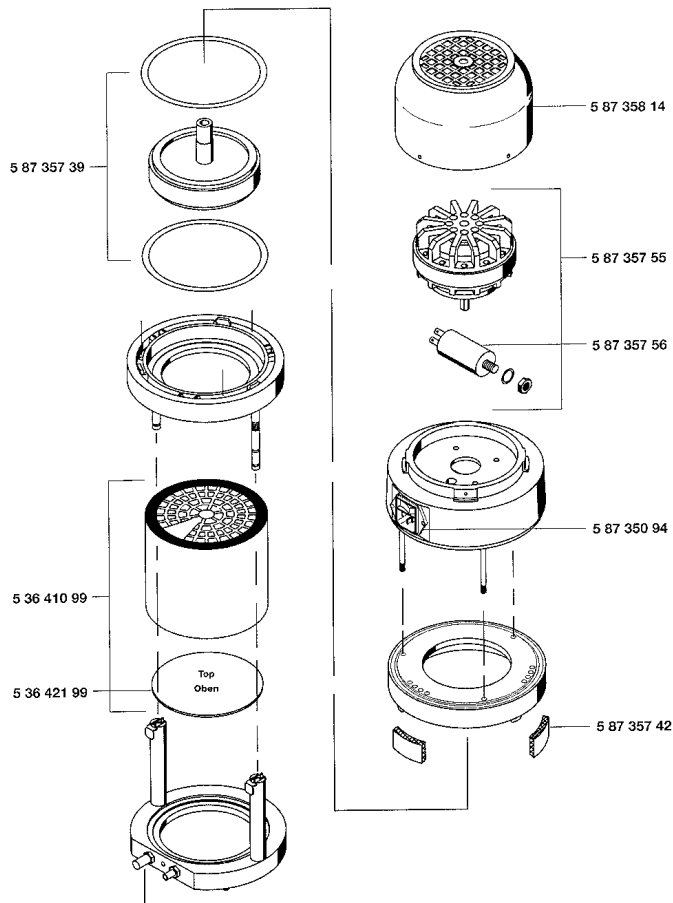
- Up to Maximum 2 Work Stations
- Brushless EC Extractor Fan
- Maximum Airflow 200m<sup>3</sup>/h
- Maximum Vacuum 1800Pa
- F5 Pre-Filter
- H12 Main Filter (Activated Carbon Foam)
- Low Noise Level

### WFE2ES KIT

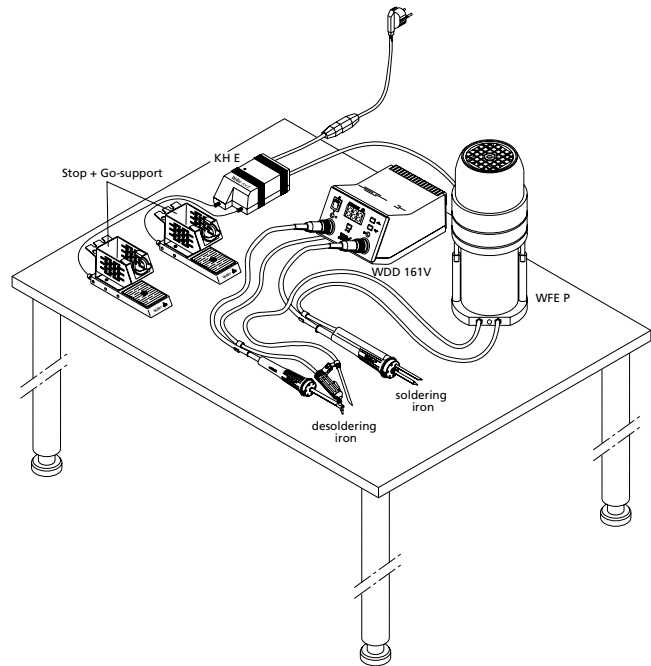
- 1 Workstation Kit
- 1 x WFE2ES
- 1 x Extraction Arm
- 1 x Table Mount Kit
- 1 x Length Hose

|             |   |  |
|-------------|---|--|
| T0053650599 | 1 |  |
| T0053651699 | 1 |  |

## Exploding Drawing for WFE2P

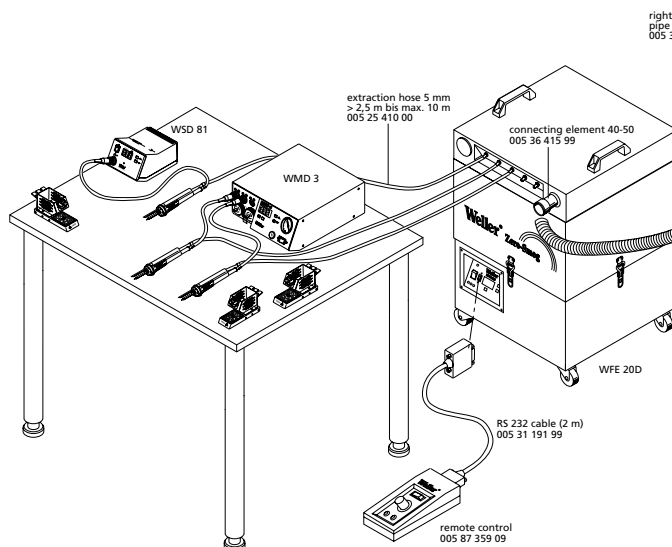


## Installation Option for a Central System with WFE P



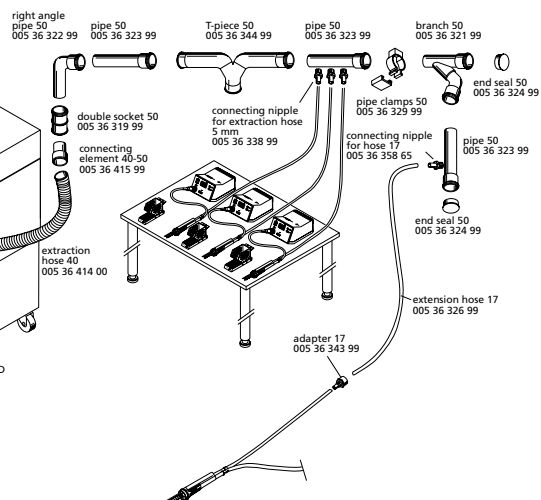
## Installation Option for a Central and Stand Alone System with WFE 20D

### central system



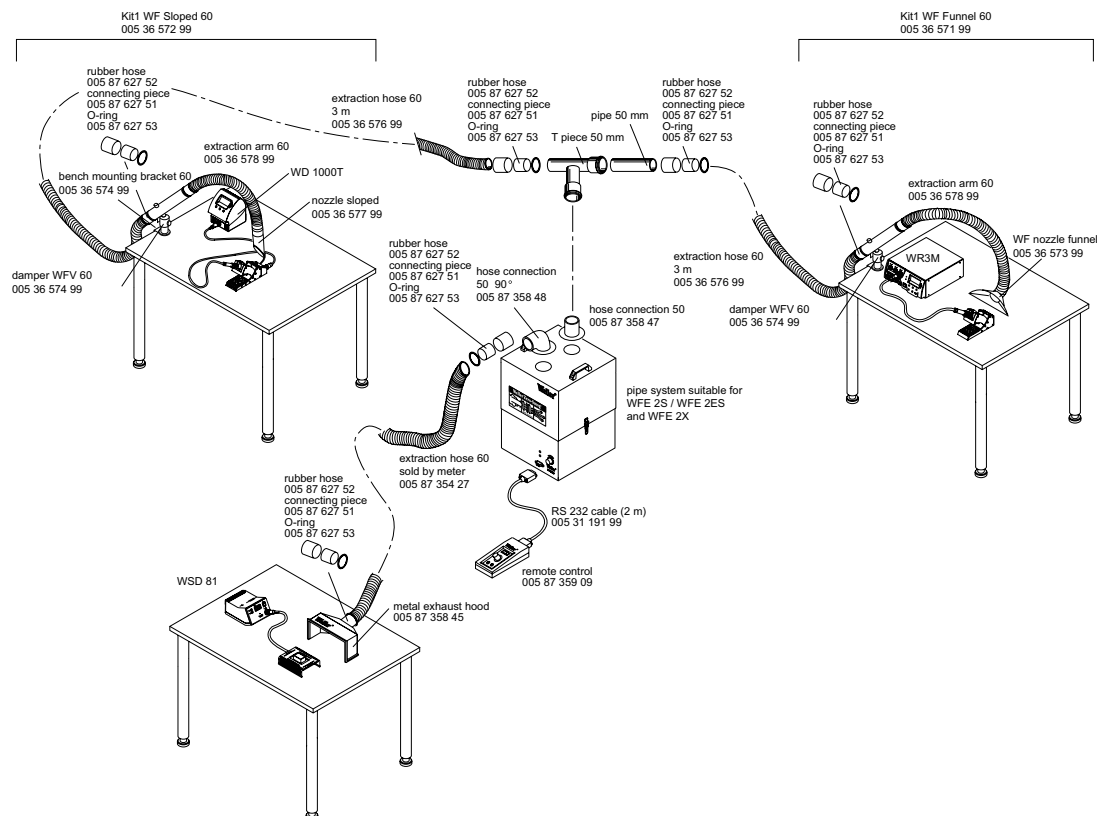
### stand alone system with pipe system 50

upto ca. 200 m



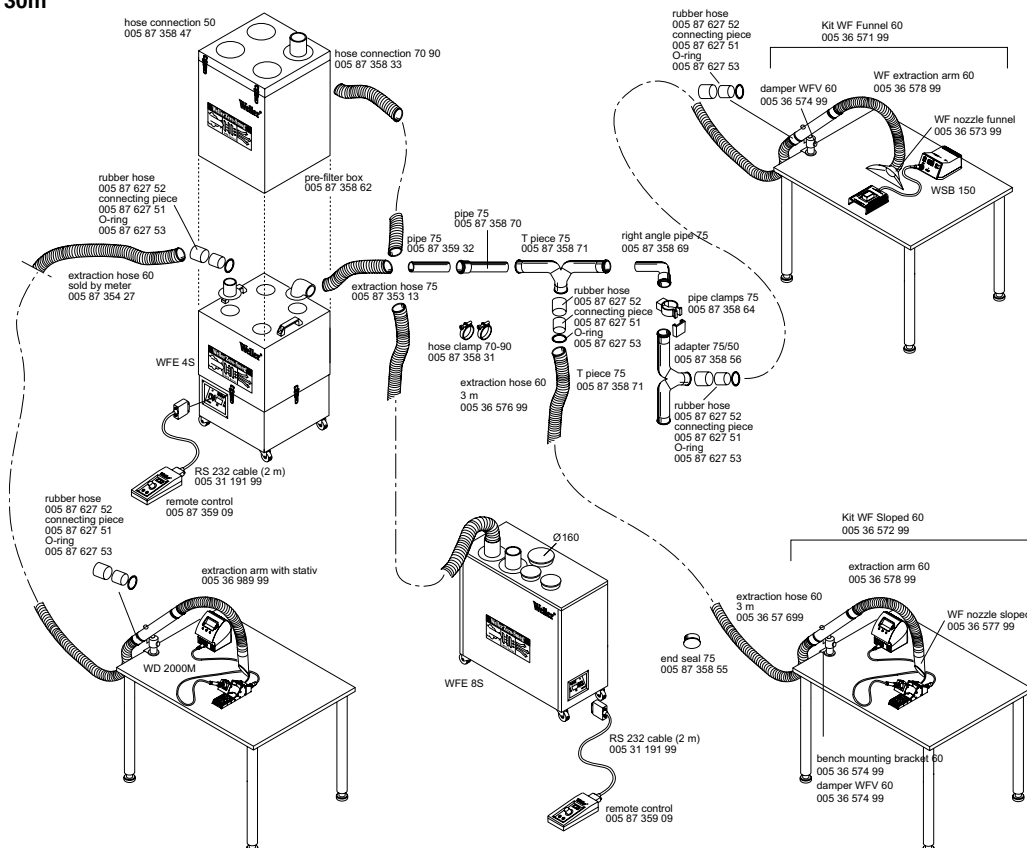
## Installation Option for a Central System with WFE 2S

Total pipe length 15m



## Installation Option for a Central and Stand Alone System with WFE 4S

Total pipe length 30m



## Accessories for Pipe System 50 and Pipe System 75 Tubing Systems

|                                                                                     | Description                           | Material No.    |                 |
|-------------------------------------------------------------------------------------|---------------------------------------|-----------------|-----------------|
|                                                                                     |                                       | P/code<br>SYS50 | P/code<br>SYS75 |
|    | 2m tube with socket                   | T0053632399     | 58735870        |
|    | 90° bow with socket                   | T0053632299     | 58735869        |
|    | T-distributor 2 x 90° bow with socket | T0053634499     | 58735871        |
|    | 2 x 45° bow with socket               | T0053632199     | Not Applicable  |
|    | Double socket                         | T0053631999     | 58735318        |
|   | Tube end cap                          | T0053632499     | 58735855        |
|  | Tube clamp DN50                       | T0053632999     |                 |
|                                                                                     | Tube clamp DN75                       |                 | 58735864        |

## Tube Reductions

|                                                                                     |                                             |             |  |
|-------------------------------------------------------------------------------------|---------------------------------------------|-------------|--|
|  | Reduction from SYS75 to SYS50 with seals    | T0058735863 |  |
|                                                                                     | Reduction from SYS75 to SYS50 without seals | T0058735856 |  |

## Exhaust Assembly

|                                                                                     |                                                          |             |  |
|-------------------------------------------------------------------------------------|----------------------------------------------------------|-------------|--|
|  | DN100 90° bow with socket for WFE10 and WFE35            | T0053635399 |  |
|                                                                                     | 2m breather tube 100mm without seal for WFE20D and WFE4S | T0053631599 |  |
|                                                                                     | Exhaust flange for DN100 tube (only for use with WFE10)  | T0058735919 |  |
|                                                                                     | Exhaust flange for DN100 tube (only for use with WFE4S)  | T0058735840 |  |
|                                                                                     | Exhaust Adaptor 75 for WFE25                             | T0058735920 |  |

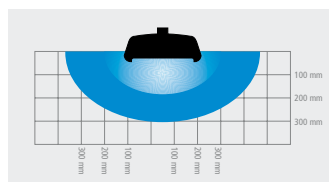
## Accessories for Tip Suction

|  | Description                                                                                                       | Material No. |             |
|--|-------------------------------------------------------------------------------------------------------------------|--------------|-------------|
|  |                                                                                                                   |              |             |
|  | Extraction Hose, 1m. 40mm DIA. Complete with two connecting ones for direct connection to WFE20D                  | T0053631699  |             |
|  | Extraction Hose, 40mm DIA. Sold by the metre.                                                                     | T0053641400  |             |
|  | Extraction Hose, 60mm (2.36 in), for connection to pipe system 50. 3m (118.11 in). Plastic, grey/black, flexible. | T0053657699  |             |
|  | Extraction Hose, 60mm (2.36 in), for connection to pipe system 50. Sold by metre. Plastic, grey/black, flexible.  | T0058735427  |             |
|  | Connection Cone for Extraction Hose                                                                               | T0053641599  |             |
|  | 17mm DIA x 5m Extension Hose. Used where fume extraction iron is further than 2.5m from pipe system.              | T0053632699  |             |
|  | Adaptor from DN17 to 5mm suction hose (M8 x 1)                                                                    | T0053634399  |             |
|  | Hose Connector for Hose 5mm (M8 x 1)                                                                              | T0053633899  |             |
|  | Connection Nipple                                                                                                 | T0058735865  |             |
|  | 3/8" Nut                                                                                                          | T0058735866  |             |
|  |                                                                                                                   | P/code 50mm  | P/code 75mm |
|  | Suction flange for WFE2S and WFE4S                                                                                | T0058735832  | T0058735832 |
|  | Suction flange 90° for WFE2S and WFE4S                                                                            | T0058735847  | 5873583     |
|  | Hose NW50 for DN40 tube system (metre goods)                                                                      | T0058735327  |             |
|  | Hose NW75 for DN70 tube system (metre goods)                                                                      |              | T005873531  |
|  | Hose clamp (2 pieces) 50-70mm for hose NW50<br>Hose clamp (2 pieces) 70-90mm for hose NW75                        | T005735879   | T0058735831 |

## Accessories for Tip Suction

The following products are suitable for 50mm Diameter. When using a 75mm Diameter Hose, a tube reducer will be required (see page 46)

|                                                                                                                                                                         | Description                                                                                                                                                                          | Material No. |                                                                                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|---------------------------------------------------------------------------------------|
|                                                                                        | Extraction table, active surface 600 x 350mm connectable from sides or below for tube system DN40, especially for the extraction of diagreeable solvent or adhesive smells.          | T0053637099  |                                                                                       |
|                                                                                        | Metal table extraction hood 200 x 100mm connectable to the DN40 tube system. Suitable for the extraction of solder fume in hot air applications or for work at small circuit boards. | T0058735845  |                                                                                       |
|                                                                                        | One joint extraction arm, flexible, for bench assembly Ø 50mm, includes clamp holder, air flow adjustable, ESD Safe                                                                  | T0058735849  |                                                                                       |
|       | Stativ extraction arm, 60mm diameter, flexible extraction arm with articulated joint and airflow control valve and bench clamp. ESD Safe                                             | T0053659899  |    |
|                                                                                        | WFFMP 50 Extraction arm Ø 50 mm, flexible, with nozzle Ø 50 mm, ESD safe, needs WFFMP 50 seal                                                                                        | T0053637499  |                                                                                       |
|                                                                                      | WFAF 50 Extraction arm Ø 50 mm, flexible, with slot 210 x 20 mm, ESD safe, needs WFFMP 50 seal                                                                                       | T0053637299  |                                                                                       |
|                                                                                      | WFAS 50 Extraction arm Ø 50 mm, flexible, with slot 210 x 20 mm, ESD safe, needs WFFMP 50 seal                                                                                       | T0053637399  |                                                                                       |
|   | Flexible Extraction arm, 60mm (2.36 in) diameter, for sloped and funnel nozzles. Maximum length 1m (39.37 in), ESD Safe                                                              | T0053657899  |  |
|   | WF60 sloped nozzle, 60mm diameter, for flexible and stativ extraction arm.                                                                                                           | T0053657799  |                                                                                       |
|                                                                                                                                                                         | Extraction arm, can be mounted directly to work bench, ESD Safe                                                                                                                      | T0053634899  |                                                                                       |
|                                                                                                                                                                         | Extraction arm, flexible, ESD Safe, metal black                                                                                                                                      | T0058735853  |                                                                                       |
|                                                                                      | WFDD50 Extraction Plate                                                                                                                                                              | T0053638099  |                                                                                       |
|                                                                                      | WFCC50 Exhaust Head                                                                                                                                                                  | T0053637899  |                                                                                       |
|   | WF funnel nozzle 60, for flexible and stativ extraction arm, 100mm (3.93 in) diameter.                                                                                               | T0053657399  |                                                                                       |



## Accessories for Tip Suction

The following products are suitable for 50mm Diameter. When using a 75mm Diameter Hose, a tube reducer will be required (see page 42)



| Description                                                                                                                                                                                                                                                                                                    | Material No. |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--|
| Extraction hood PE transparent, 296 x 248 mm (11.65 x 9.75 in)                                                                                                                                                                                                                                                 | T0053634999  |  |
| WFFMP 50 seal, locking adjustable                                                                                                                                                                                                                                                                              | T0053637199  |  |
| WFTB 50 Table mounting set                                                                                                                                                                                                                                                                                     | T0053637999  |  |
| Bench mounting bracket. Maximum width of clamp 100mm (3.93 in). 100mm (3.93 in) in diameter. Metal, black.                                                                                                                                                                                                     | T0053657599  |  |
| WFV 60 Stop valve. Table connector for 60mm (2.36 in) flex arm and extraction tube including air flow valve.                                                                                                                                                                                                   | T0053657499  |  |
| 60/50 Adapter for applications using the 60mm (2.36 in) extraction system connected to the former WFTB50 and WFFMP50.                                                                                                                                                                                          | T0058762750  |  |
| Hanging device for table mounting for fume extraction unit WFE2X.                                                                                                                                                                                                                                              | T0053659199  |  |
| Trolley for fume extraction unit WFE2X.                                                                                                                                                                                                                                                                        | T0053659299  |  |
| <b>Remote control for tip and volume extraction units</b>                                                                                                                                                                                                                                                      |              |  |
| Remote control for fume extraction units WFE20D, WFE2S, WFE4S and WFE8S. Switching unit on/off, speed setting (only WFE2S/WFE4S), filter status display. Remote control for fume extraction unit WFE2X with 2m (78.74 in) cable. Interface cable RS 232, 2m (78.74 in) for remote monitoring by PC (type 1:1). | T0058735909  |  |
|                                                                                                                                                                                                                                                                                                                | T0053659399  |  |
|                                                                                                                                                                                                                                                                                                                | T0053119199  |  |

## Spare Part Filters

### Spare filter for WFE8S:

Replacement pre-filter  
Replacement compact filter (4 pieces in one pack) Consists of: HEPA filter H13, wide band gas filter (50% active carbon, 50% Puratex)

T0053659499  
T0053659599

### Spare filter for WFE2X:

Replacement compact filter  
Consists of: HEPA filter H13, wide band gas filter (50% active carbon, 50% Puratex)

T0053659099

### Spare filter for WFE4S:

Fine dust filter F5 (10 pieces)  
Fine dust filter F7 (10 pieces)  
Compact filter  
Consists of: HEPA filter H13, wide band gas filter (50% active carbon, 50% Puratex)  
Option: Adhesive fume filter (50% active carbon, 50% Puratex)

T0058735837  
T0058735836  
T0058735838

T0058735835

### Spare filter for WFE2S:

Fine dust filter F5 (10 pieces)  
Fine dust filter F7 (10 pieces)  
Compact filter  
Consists of: HEPA filter H13, wide band gas filter (50% active carbon, 50% Puratex)  
Option: Adhesive fume filter (50% active carbon, 50% Puratex)

T0058735884  
T0058735885  
T0058735883

T0058735895

### Spare filter for WFE2ES:

Fine dust filter F5 (10 pieces)  
Compact filter Consists of: HEPA filter H12, wide band gas filter (10% active carbonate foam)

T0058762701

### Spare filter WFE2S/WFE4S:

Filtering ash F7 for large quantities of dust  
Filtering fine dust for sticky of arrears (e.g. large quantities of liquid flux)

T0058735860  
T0058735924