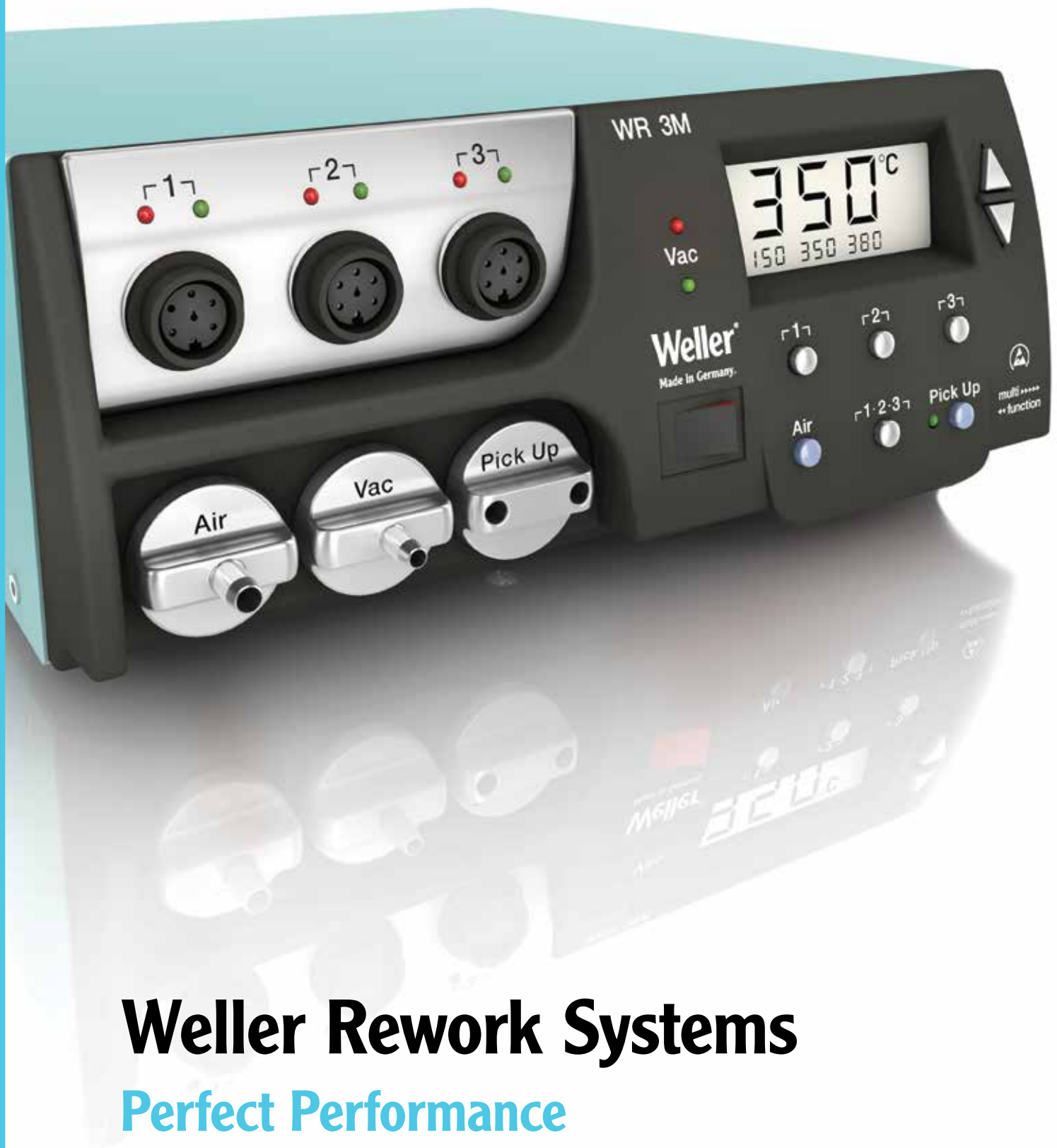




# Weller Rework Systems

## Perfect Performance

**Weller®**

# APPLICATION FLEXIBILITY. PRODUCTIVITY. PROCESS CONTROL.



WR3M



## Application flexibility.

400 watts of power over 3 independently-controlled channels

Application flexibility with up to 21 tool options

Up to 200 watts of hot air power for efficient lead-free rework

Up to 120 watts of desoldering power for demanding ground plane and multi-layer boards

Up to 200 watts of soldering power for unmatched application versatility

Peripheral control and connectivity to low voltage pre-heating plates and soldering baths

## Productivity.

System operational right out of the box with all critical components and tips supplied

Less than 5 seconds hot air time to temperature performance

Continuous productivity with no end of cycle hot air cool down time

Unmatched tool air flow volume of 1-15 L/Min

Sustainability of new tool developments with field accessible firmware update port

No system cooling requirements ensures lowest operational costs

Large, intuitive LCD display shows critical functions for all 3 channels

Rotary vane vacuum pump for long life and quiet operation

## Process control.

Included PC software enables PC connectivity and data logging capabilities

Temperature stability of  $\pm 2^{\circ}\text{C}$  /  $\pm 4^{\circ}\text{F}$  for superior reliability

ESD safe, meets or exceeds MIL-STD and J-STD 001E industry specifications



WR2



# WR3M



1 2 3 4 5 6 7 8

Maximum power supply 400W

1

## Active Tip



WMRPMS  
RTMS Soldering tips  
Order number: T0052919299



WMRTMS  
RTWMS Tips  
Order number: T0051317599

2

## Power-Response



WP65  
XNT tips  
Order number: T0052921599



WP120  
XT tips  
Order number: T0052919399



WP200  
XHT tips  
Order number: T0052919999

NEW

3

## Standard-Line



WTA50  
WTA Tips  
Order number: T0051317199

4

## Silver-Line



WP80/WSP80  
LT Soldering tips  
Order number:  
T0052918099 (WP80)  
Order number:  
WSP80 (WSP80)



WSP150  
LHT Soldering tips  
Order number: T0052917099

8

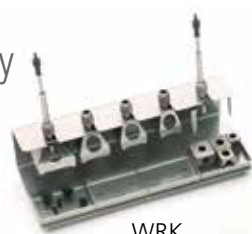
## Accessory



WVP  
Order number: T0052918499

6

## Accessory



WRK  
Order number: T0051515599

See pages 13-29 for order information.

WR3ME



1 2 3 4 5 6 7

Maximum power supply 400W

WR2



2 3 4 5 7

Maximum power supply 300W

7

## Desoldering Iron



DSX80  
DX Tiplets

Order number: T0051318099



DSX80  
DX Tiplets

Order number: T0051319099



NEW

DSX120  
XDS/XDSL Tiplets

Order number: T0051319899

5

## Tip Extraction Iron



FE75

LT Soldering tips

Order number: T0052916699

6

## Hot Air Iron



HAP200

HAP hot air nozzles

Order number: T0052711699

5



HAP1

HAP Hot air Tiplets

Order number: T0052711899

5

## Preheating Plate



WHP80

Order number: T0052702899

24v/80 watts

5

## Solder Bath



WSB80

Order number: T0052704099

24v/80 watts



WSB150

Order number: T0052704299

24v/150 watts

## TECHNICAL DATA



WR3M



WR3ME



WR2

|                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                    |                   |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------|
| Dimension L x W x H             | 273 x 235 x 102 mm (10.75 x 9.25 x 4.02 in)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |                   |
| Weight:                         | 6.7 kg (14.77 lbs)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 6.7 kg (14.77 lbs) | 6.3 kg (13.9 lbs) |
| Channels                        | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 3                  | 2                 |
| Wattage                         | 400W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 400W               | 300W              |
| Power supply                    | 120V, 60Hz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                    |                   |
| Fuse                            | T500 mA (120V / 50/60 Hz)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                    |                   |
| Fuse: overcurrent release       | 2 A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2 A                | 1.6 A             |
| Temperature control of channels | <p>Soldering and desoldering irons continuously 50°C - 550°C (150°F - 999°F)</p> <p><b>Note:</b> Temperature control range depends on tool</p> <p>Soldering iron WP80 / WP120: 50°C - 450°C (150°F - 850°F)</p> <p>Soldering iron WP200 / WSP150: 50°C - 550°C (150°F - 950°F)</p> <p>Soldering iron WMRT / WMRP (only WR3M/WR3ME): 100°C - 450°C (200°F - 850°F)</p> <p>Desoldering iron DSX80 / DXV80: 50°C - 450°C (150°F - 850°F)</p> <p>Desoldering iron DSX120: 50°C - 450°C (150°F - 850°F)</p> <p>Hot air irons HAP200 (only WR3M/WR3ME) / HAP 1: 50°C - 550°C (150°F - 950°F)</p> |                    |                   |
| Temperature accuracy            | ± 9°C (± 17°F)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                    |                   |
| Temperature stability           | ± 2°C (± 4°F)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    |                   |
| Tip-to-ground resistance        | Meets or exceeds MIL-STD 2000/IPC/J-STD001E                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |                   |
| Tip-to-ground voltage           | Meets or exceeds MIL-STD 2000/IPC/J-STD001E                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |                   |
| Pump                            | (periodic duty 30/30 s)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                    |                   |
| Max. vacuum                     | 0.7 bar / 20Hg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                    |                   |
| Max. delivery rate              | Max. 18 l/min                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    |                   |
| Hot Air                         | Max. 15 l/min                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    |                   |
| Display                         | LCD with backlight                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                    |                   |
| Temperature control             | Station programmable buttons                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                    |                   |
| ESD safe                        | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                    |                   |
| USB interface                   | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Yes                | No                |
| Order number:                   | WR3M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | WR3ME              | WR2               |

## WR5000M NEW

- 700 watts of power over 5 independently-controlled channels
- Specified tips included
- Application flexibility with up to 19 tool options (WR3ME only)
- PC Connectivity and data logging software included (WR3ME only)

**Note:** Not applicable with WRK kit or WVP vacuum



| Order Number            | Model Number | Description                                                 | Power       |
|-------------------------|--------------|-------------------------------------------------------------|-------------|
| WR5000M                 | WR5000M      | Five-channel, hot air, desoldering, soldering rework system | 700W        |
| 1 WR3ME                 | WR3ME        | Power unit, 400w, 120v                                      |             |
| 2 WR2                   | WR2          | Power unit, 300w, 120v                                      |             |
| 3 T0052921599           | WP65         | Soldering iron, 24v                                         | 65W         |
| 4 T0051512199           | WDH10        | Safety rest for WP65                                        |             |
| T0054485199             | XNTA         | Soldering tip for WP65                                      |             |
| 5 T0052919299           | WMRPMS       | Soldering iron, 12v<br>(For use with WR3ME only)            | 55W max     |
| 6 T0051515699           | WDH50        | Safety rest for WMRPMS                                      |             |
| T0054460373             | RT3MS        | Soldering tip for WMRPMS                                    |             |
| 7 T0051319899           | DSX120       | Desoldering iron, 24v                                       | 120W        |
| 8 T0051515299           | WDH30        | Safety rest for DSX120                                      |             |
| T0051325099             | XDS1         | Desoldering tip for DSX120                                  |             |
| 9 T0051317599           | WMRTMS       | Soldering tweezer, 12v<br>(For use with WR3ME only)         | 80W         |
| 10 T0051514699          | WMRTH        | Safety rest for WMRTMS                                      |             |
| T0054465799             | RTW2MS       | Soldering tip set for WMRTMS                                |             |
| 11 T0052711699          | HAP200       | Hot air pencil, 24v<br>(For use with WR3ME port 1 only)     | 200W        |
| 12 T0051515299          | WDH30        | Safety rest for HAP200                                      |             |
| T0058727821             | R04          | Hot air nozzle for HAP200                                   |             |
| T0058727822             | R06          | Hot air nozzle for HAP200                                   |             |
| <b>Total tool power</b> |              |                                                             | <b>520W</b> |

## WR3000MER NEW

- 400 watts of power over 3 independently-controlled channels
- Specified tips included
- Application flexibility with up to 19 tool options
- PC Connectivity and data logging software included

**Note:** Not compatible with WRK kit or WVP vacuum pencil.



| Order Number            | Model Number | Description                                                        | Power       |
|-------------------------|--------------|--------------------------------------------------------------------|-------------|
| T0053368270             | WR3000MER    | WR3ME multi-channel, hot air, desoldering, soldering rework system | 400W        |
| 1 WR3ME                 | WR3ME        | Power unit, 400w, 120v                                             |             |
| 2 T0052914399           | WP120        | Soldering iron, 24v                                                | 120W        |
| 3 T0051512199           | WDH10        | Safety rest for WP120                                              |             |
| T0054470499             | XTB          | Soldering tip for WP120                                            |             |
| 4 T0051319899           | DSX120       | Desoldering iron, 24v                                              | 120W        |
| 5 T0051515299           | WDH30        | Safety rest for DSX120                                             |             |
| T0051325099             | XDS1         | Desoldering tiptet for DSX120                                      |             |
| 6 T0052711699           | HAP200       | Hot air pencil, 24v                                                | 200W        |
| 7 T0051515299           | WDH30        | Safety rest for HAP200                                             |             |
| T0058727821             | R04          | Hot air nozzle for HAP200                                          |             |
| T0058727822             | R06          | Hot air nozzle for HAP200                                          |             |
| <b>Total tool power</b> |              |                                                                    | <b>440W</b> |

## WR3000M

- 400 watts of power over 3 independently-controlled channels
- Specified tips included
- Application flexibility with up to 21 tool options
- PC Connectivity and data logging software included



| Order Number            | Model Number | Description                                                       | Power       |
|-------------------------|--------------|-------------------------------------------------------------------|-------------|
| WR3000M                 | WR3000M      | WR3M multi-channel, hot air, desoldering, soldering rework system | 400W        |
| 1 WR3M                  | WR3M         | Power unit, 400w, 120v                                            |             |
| 2 T0052918099           | WP80         | Soldering iron, 24v                                               | 80W         |
| 3 T0051516199           | WDH10T       | Safety rest for WP80                                              |             |
| LTB                     | LTB          | Soldering tip for WP80                                            |             |
| 4 T0051318099           | DXV80        | Desoldering iron, 24v                                             | 80W         |
| 5 T0051515399           | WDH40        | Safety rest for DXV80                                             |             |
| T0051314299             | DX112        | Desoldering tiptet for DXV80                                      |             |
| T0051314399             | DX113        | Desoldering tiptet DXV80                                          |             |
| 6 T0052711699           | HAP200       | Hot air pencil, 24v                                               | 200W        |
| 7 T0051515299           | WDH30        | Safety rest for HAP200                                            |             |
| T0058727821             | R04          | Hot air nozzle for HAP200                                         |             |
| T0058727822             | R06          | Hot air nozzle for HAP200                                         |             |
| 8 T0052918499           | WVP          | Vacuum pick-up pen                                                |             |
| <b>Total tool power</b> |              |                                                                   | <b>360W</b> |

## WR3000SA NEW

- 400 watts of power over 3 independently-controlled channels
- Specified tips included
- Application flexibility with up to 19 tool options
- PC Connectivity and data logging software included

**Note:** Not compatible with WRK kit or WVP vacuum pencil.



| Order Number            | Model Number | Description                                                        | Power       |
|-------------------------|--------------|--------------------------------------------------------------------|-------------|
| WR3000SA                | WR3000SA     | WR3ME multi-channel, hot air, desoldering, soldering rework system | 400W        |
| 1 WR3ME                 | WR3ME        | Power unit, 400w, 120v                                             |             |
| 2 T0052918099           | WP80         | Soldering iron, 24v                                                | 80W         |
| 3 T0051516199           | WDH10        | Safety rest for WP80                                               |             |
| LTB                     | LTB          | Soldering tip for WP80                                             |             |
| 4 T0051318099           | DXV80        | Desoldering iron, inline, 24v                                      | 80W         |
| 5 T0051515399           | WDH40        | Safety rest for DXV80                                              |             |
| T0051314299             | DX112        | Desoldering tip for DXV80                                          |             |
| T0051314399             | DX113        | Desoldering tip for DXV80                                          |             |
| 6 T0052711699           | HAP200       | Hot air pencil, 24v                                                | 200W        |
| 7 T0051515299           | WDH30        | Safety rest for HAP200                                             |             |
| T0058727821             | R04          | Hot air nozzle for HAP200                                          |             |
| T0058727822             | R06          | Hot air nozzle for HAP200                                          |             |
| <b>Total tool power</b> |              |                                                                    | <b>360W</b> |

## WR3000TA NEW

- 400 watts of power over 3 independently-controlled channels
- Specified tips included
- Application flexibility with up to 21 tool options
- PC Connectivity and data logging software included

**Note:** Not compatible with WRK kit or WVP vacuum pencil.



| Order Number            | Model Number | Description                                                                 | Power       |
|-------------------------|--------------|-----------------------------------------------------------------------------|-------------|
| WR3000TA                | WR3000TA     | WR3ME multi-channel, hot air, desoldering tweezers, soldering rework system | 400W        |
| 1 WR3ME                 | WR3ME        | power unit, 400w, 120v                                                      |             |
| 2 T0052918099           | WP80         | Soldering iron, 24v                                                         | 80W         |
| 3 T0051516199           | WDH10        | Safety rest for WP80                                                        |             |
| LTB                     | LTB          | Soldering tip for WP80                                                      |             |
| 4 T0051317599           | WMRTMS       | Soldering tweezer, 12v                                                      | 80W         |
| 5 T0051514699           | WMRTH        | Safety rest for WMRTMS                                                      |             |
| T0054465799             | RTW2MS       | Soldering tip set for WMRTMS                                                |             |
| 6 T0052711699           | HAP200       | Hot air pencil, 24v                                                         | 200W        |
| 7 T0051515299           | WDH30        | Safety rest for HAP200                                                      |             |
| T0058727821             | R04          | Hot air nozzle for HAP200                                                   |             |
| T0058727822             | R06          | Hot air nozzle for HAP200                                                   |             |
| <b>Total tool power</b> |              |                                                                             | <b>360W</b> |

## WR3000SS NEW

- 400 watts of power over 3 independently-controlled channels
- Specified tips included
- Application flexibility with up to 19 tool options
- PC Connectivity and data logging software included

**Note:** Not compatible with WRK kit or WVP vacuum pencil.



| Order Number            | Model Number | Description                                               | Power       |
|-------------------------|--------------|-----------------------------------------------------------|-------------|
| WR3000SS                | WR3000SS     | WR3ME multi-channel, desoldering, soldering rework system | 400W        |
| 1 WR3ME                 | WR3ME        | Power unit, 400w, 120v                                    |             |
| 2 T0052918099           | WP80         | Soldering iron, 24v                                       | 80W         |
| 3 T0051316199           | WDH10        | Safety rest for WP80                                      |             |
| LTB                     | LTB          | Soldering tip for WP80                                    |             |
| 4 T0052918099           | WP80         | Soldering iron, 24v                                       | 80W         |
| 5 T0051516199           | WDH10        | Safety rest for WP80                                      |             |
| LTB                     | LTB          | Soldering tip for WP80                                    |             |
| 6 T0051318099           | DXV80        | Desoldering iron, inline, 24v                             | 80W         |
| 7 T0051515399           | WDH40        | Safety rest for DXV80                                     |             |
| T0051314299             | DX112        | Desoldering tiptet for DXV80                              |             |
| T0051314344             | DX113        | Desoldering tiptet for DXV80                              |             |
| <b>Total tool power</b> |              |                                                           | <b>240W</b> |

## WR3000TS NEW

- 400 watts of power over 3 independently-controlled channels
- Specified tips included
- Application flexibility with up to 19 tool options
- PC Connectivity and data logging software included

**Note:** Not compatible with WRK kit or WVP vacuum pencil.



| Order Number            | Model Number | Description                                               | Power       |
|-------------------------|--------------|-----------------------------------------------------------|-------------|
| WR3000TS                | WR3000TS     | WR3ME multi-channel, desoldering, soldering rework system | 400W        |
| 1 WR3ME                 | WR3ME        | Power unit, 400w, 120v                                    |             |
| 2 T0052919299           | WMRPMS       | Soldering iron, 12v                                       | 55W (max)   |
| 3 T0051515699           | WDH50        | Safety rest for WMRPMS                                    |             |
| T0054460373             | RT3MS        | Soldering tip for WMRPMS                                  |             |
| 4 T0051318099           | DXV80        | Desoldering iron, inline, 24v                             | 80W         |
| 5 T0051515399           | WDH40        | Safety rest for DXV80                                     |             |
| T0051314299             | DX112        | Desoldering tiptet for DXV80                              |             |
| T0051314399             | DX113        | Desoldering tiptet for DXV80                              |             |
| 6 T0051317599           | WMRTMS       | Soldering tweezer, 12v                                    | 80W         |
| 7 T0051514699           | WMRTH        | Safety rest for WMRTMS                                    |             |
| T0054465799             | RTV2MS       | Soldering tip set for WMRTMS                              |             |
| <b>Total tool power</b> |              |                                                           | <b>215W</b> |

## WR2000ER NEW

- 300 watts of power over 2 independently-controlled channels
- Specified tips included
- Application flexibility with up to 15 tool options

**Note:** Not compatible with micro tools, WMRP/WMRPMS, WMRT/WMRTMS or HAP200, WVP, WRK tools



| Order Number            | Model Number | Description                                             | Power       |
|-------------------------|--------------|---------------------------------------------------------|-------------|
| WR2000ER                | WR2000ER     | WR2 multi-channel, desoldering, soldering rework system | 300W        |
| 1 WR2                   | WR2          | Power unit, 300w, 120v                                  |             |
| 2 T0052921599           | WP65         | Soldering iron, 24v                                     | 65W         |
| 3 T0051512199           | WDH10        | Safety rest for WP65                                    |             |
| T0054485199             | XNTA         | Soldering tip for WP65                                  |             |
| 4 T0051319899           | DSX120       | Desoldering iron, 24v                                   | 120W        |
| 5 T0051515299           | WDH30        | Safety rest for DSX120                                  |             |
| T0051325099             | XDS1         | Desoldering tiptet for DSX120                           |             |
| <b>Total tool power</b> |              |                                                         | <b>185W</b> |

## WR2000VX

- 300 watts of power over 2 independently-controlled channels
- Specified tips included
- Application flexibility with up to 15 tool options

**Note:** Not compatible with micro tools, WMRP/WMRPMS, WMRT/WMRTMS, or HAP200, WVP, WRK tools



| Order Number            | Model Number | Description                                             | Power       |
|-------------------------|--------------|---------------------------------------------------------|-------------|
| WR2000VX                | WR2000VX     | WR2 multi-channel, desoldering, soldering rework system | 300W        |
| 1 WR2                   | WR2          | Power unit, 300w, 120v                                  |             |
| 2 WSP80                 | WSP80        | Soldering iron, 24v                                     | 80W         |
| 3 T0051512199           | WDH10        | Safety rest for WSP80                                   |             |
| LTB                     | LTB          | Soldering tip for WSP80                                 |             |
| 4 T0051318099           | DXV80        | Desoldering iron, inline, 24v                           | 80W         |
| 5 T0051515399           | WDH40        | Safety rest for DXV80                                   |             |
| T0051314299             | DX112        | Desoldering tiptet for DXV80                            |             |
| <b>Total tool power</b> |              |                                                         | <b>160W</b> |

## WR2000

- 300 watts of power over 2 independently-controlled channels
- Specified tips included
- Application flexibility with up to 15 tool options

**Note:** Not compatible with micro tools, WMRP/WMRPMS, WMRT/WMRTMS, or HAP200, WVP, WRK tools



| Order Number            | Model Number | Description                              | Power       |
|-------------------------|--------------|------------------------------------------|-------------|
| WR2000                  | WR2000       | WR2 multi-channel, hot air rework system | 300W        |
| 1 WR2                   | WR2          | Power unit, 300w, 120v                   |             |
| 2 T0052711899           | HAP1         | Hot air set w/WDH30 safety rest          | 100W        |
| T0058727821             | R04          | Hot air nozzle for HAP1                  |             |
| <b>Total tool power</b> |              |                                          | <b>100W</b> |

## WR2000X

- 300 watts of power over 2 independently-controlled channels
- Specified tips included
- Application flexibility with up to 15 tool options

**Note:** Not compatible with micro tools, WMRP/WMRPMS, WMRT/WMRTMS, or HAP200, WVP, WRK tools



| Order Number            | Model Number | Description                                  | Power      |
|-------------------------|--------------|----------------------------------------------|------------|
| WR2000X                 | WR2000X      | WR2 multi-channel, desoldering rework system | 300W       |
| 1 WR2                   | WR2          | Power unit, 300w, 120v                       |            |
| 2 T0051318099           | DXV80        | Desoldering iron, 24v                        | 80W        |
| 3 T0051515399           | WDH40        | Safety rest for DXV80                        |            |
| T0051314299             | DX112        | Desoldering triplet for DXV80                |            |
| <b>Total tool power</b> |              |                                              | <b>80W</b> |



## WMRP/WMRP-MS

Ideal for microscope work; highest performance via active soldering tip; cartridge type tip.

Fastest heat up and recovery on the market  
Excellent reaction time with finest tips  
Optimal for soldering under microscope  
Rapid hot tip-change; no tool required

55W Max, 12V

WMRP  
WMRPMS  
RT3MS  
WDH50

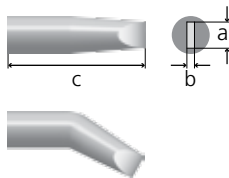
T0052917199  
T0052919299  
T0051515699  
T0051515699

Pencil, no tip  
Pencil, no tip  
Tip  
Stand

WMRPSET  
WMRP Pencil, RT3 tip + WDH50 stand  
T0052919099



### CHISEL



| RT        | Ø a mm | b mm | Order number |
|-----------|--------|------|--------------|
| RT 1SC    | 0.4    | 0.15 | T0054461299  |
| RT 1SCNW* | 0.3    | 0.1  | T0054462699  |
| RT 3      | 1.3    | 0.4  | T0054460399  |
| RT 4      | 1.5    | 0.4  | T0054460499  |
| RT 8      | 2.2    | 0.4  | T0054460899  |
| RT 9      | 0.8    | 0.4  | T0054460999  |
| RT 11     | 3.6    | 0.9  | T0054461199  |
| RT 5 30°  | 0.8    | 0.4  | T0054460599  |

| RT-MS       | Ø a mm | b mm | Order number |
|-------------|--------|------|--------------|
| RT 1SCMS    | 0.4    | 0.15 | T0054461599  |
| RT 1SCNWMS* | 0.3    | 0.1  | T00544626 71 |
| RT 3MS      | 1.3    | 0.4  | T0054461699  |
| RT 4MS      | 1.5    | 0.4  | T0054461899  |
| RT 8MS      | 2.2    | 0.4  | T0054462299  |
| RT 9MS      | 0.8    | 0.4  | T0054462399  |
| RT 11MS     | 3.6    | 0.9  | T0054463199  |
| RT 5MS 30°  | 0.8    | 0.4  | T0054461999  |
| RT 3XMS 30° | 1.3    | 0.5  | T00544603 73 |

### SLOPED



| Type     | a mm | Order number |
|----------|------|--------------|
| RT 6 45° | 1.2  | T0054460699  |

| Type       | a mm | Order number |
|------------|------|--------------|
| RT 6MS 45° | 1.2  | T0054462099  |

MS tips: separate ground

\* non wettable

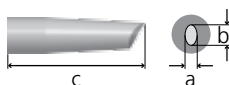
## CONICAL



| RT      | Ø a<br>mm | Order number |
|---------|-----------|--------------|
| RT 1    | 0.2       | T0054460199  |
| RT 1NW* | 0.1       | T0054462599  |
| RT 2    | 0.8       | T0054460299  |
| RT 15   | .75       | T0054460271  |
| RT 14   | 0.4       | T0054460171  |

| RT-MS       | Ø a<br>mm | Order number |
|-------------|-----------|--------------|
| RT 1MS      | 0.2       | T0054461499  |
| RT 1NWMS*   | 0.1       | T0054462571  |
| RT 2MS      | 0.8       | T0054461799  |
| RT 12MS 25° | 0.5       | T0054463299  |
| RT 13MS 30° | 0.4       | T0054463399  |
| RT 14MS     | 0.4       | T0054460173  |
| RT 15MS     | .75       | T0054460273  |

## GULL WING



| Type   | Ø a<br>mm | b<br>mm | Order number |
|--------|-----------|---------|--------------|
| RT10GW | 1.2       | 2.0     | T0054461099  |

| Type     | Ø a<br>mm | b<br>mm | Order number |
|----------|-----------|---------|--------------|
| RT10GWMS | 1.2       | 2.0     | T0054462499  |

## KNIFE



| Type     | Ø a<br>mm | Order number |
|----------|-----------|--------------|
| RT 7 45° | 2.2       | T0054460799  |

| Type       | Ø a<br>mm | Order number |
|------------|-----------|--------------|
| RT 7MS 45° | 2.2       | T0054462199  |

MS tips: separate ground

## MEASURING TIP

| Type               | Order number |
|--------------------|--------------|
| RT Measuring Tip   | K1101        |
| RTMS Measuring Tip | K1151        |

\* non-wettable



## WMRT/WMRT-MS

Ultra slim tweezers; ideal for soldering and desoldering very small SMD components; cartridge type tips.

Fastest heat up and recovery on the market  
Excellent reaction time with finest tips  
Optimal for soldering under microscope  
Rapid hot tip-change; no tool required

2 x 40W, 12V



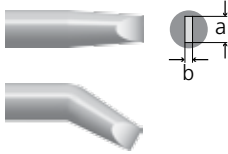
WMRT T0051317299  
WMRT-MS T0051317599  
RTW2-MS T0054465899  
WMRTH T0051514699

Tweezer, RTW2 tip  
Tweezer, no tip  
Tip cartridge  
Stand

WMRTSET  
WMRT tweezer, RTW2 tip, WMRTH stand  
T0051317399



### CHISEL



| RTW       | Ø a mm | b mm | Order number                 |
|-----------|--------|------|------------------------------|
| RTW 2 45° | 0.7    | 0.4  | T0054465299                  |
| RTW 3 45° | 3.0    | 1.0  | T0054465399                  |
| RTW 4 45° | 6.0    | 1.0  | T0054465499                  |
| RTW 9     | 3.0    | 1.0  | T0054466699 <span>NEW</span> |
| RTW 11    | 6.0    | 1.0  | T0054466799 <span>NEW</span> |
| RTW10     | 10.0   | 1.0  | T0054466899 <span>NEW</span> |
| RTW 8     | 1.3    | 0.4  | T0054466499 <span>NEW</span> |

### RTW-MS

| RTW-MS      | Ø a mm | b mm | Order number                 |
|-------------|--------|------|------------------------------|
| RTW 2MS45°  | 0.7    | 0.4  | T0054465799                  |
| RTW 3MS 45° | 3.0    | 1.0  | T0054465899                  |
| RTW 4MS 45° | 6.0    | 1.0  | T0054465999                  |
| RTW 9MS     | 3.0    | 1.0  | T0054466999 <span>NEW</span> |
| RTW 11MS    | 6.0    | 1.0  | T0054467099 <span>NEW</span> |
| RTW10MS     | 10.0   | 1.0  | T0054467199 <span>NEW</span> |
| RTW 8MS     | 1.3    | 0.4  | T0054466599 <span>NEW</span> |
| RTW 7NWMS*  | 0.8    | 0.4  | T0054466371 <span>NEW</span> |

### CONICAL



| Type         | Ø a mm | Order number |
|--------------|--------|--------------|
| RTW 1 45°    | 0.4    | T0054465199  |
| RTW 6NW* 45° | 0.2    | T0054465699  |

| Type           | Ø a mm | Order number |
|----------------|--------|--------------|
| RTW 1MS 45°    | 0.4    | T0054465599  |
| RTW 6NWMS* 45° | 0.2    | T0054465671  |

\* non wettable

MS tips: separate ground



## WP65

Perfect choice where Active-Tip above lacks sufficient power; lower cost, non-cartridge style tips.

Maximum power and rapid response  
Optimized sensor position  
Energy saving performance

65W, 24V



WP65

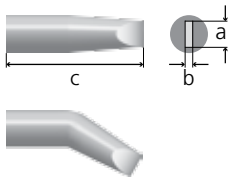
T0052921599

Pencil, XNTA tip

WP65SET  
WP65 pencil with WDH10 stand  
T0052921699



## CHISEL



| XNT        | Ø a mm | b mm | c mm | Order number |
|------------|--------|------|------|--------------|
| XNT 1SCNW* | 0.3    | 0.1  | 27.0 | T0054488199  |
|            |        |      |      | NEW          |
| XNT 1SC    | 0.4    | 0.15 | 27.0 | T0054486299  |
|            |        |      |      |              |
| XNT H      | 0.8    | 0.4  | 28.0 | T0054485999  |
|            |        |      |      |              |
| XNT K      | 1.2    | 0.4  | 28.0 | T0054486099  |
|            |        |      |      |              |
| XNT A      | 1.6    | 0.4  | 28.0 | T0054485199  |
|            |        |      |      |              |
| XNT 6      | 1.6    | 0.4  | 29.5 | T0054485699  |
|            |        |      |      |              |
| XNT B      | 2.4    | 0.8  | 27.0 | T0054485799  |
|            |        |      |      |              |

| Type       | Ø a mm | b mm | c mm | Order number |
|------------|--------|------|------|--------------|
| XNT C      | 3.2    | 0.8  | 27.0 | T0054485899  |
| XNT D      | 4.0    | 0.8  | 28.0 | T0054485399  |
| XNT HX 45° | 0.8    | 0.4  | 36.5 | T0054487399  |
| XNT 4X 45° | 1.2    | 0.4  | 34.6 | T0054487499  |
| XNT AX 45° | 1.6    | 0.8  | 28.0 | T0054486499  |
| XNT BX 45° | 2.4    | 0.8  | 36.5 | T0054488299  |
| XNT MX 45° | 3.2    | 0.8  | 37.5 | T0054488399  |

## SLOPED

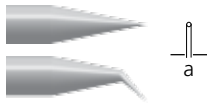


| Type       | a mm | Order number |
|------------|------|--------------|
| XNT 4 45°  | 1.2  | T0054485599  |
| XNT AA 45° | 1.6  | T0054488499  |
|            |      | NEW          |
| XNT BB 45° | 2.4  | T0054488599  |
|            |      | NEW          |

| Type       | a mm | Order number |
|------------|------|--------------|
| XNT CC 45° | 3.2  | T0054488699  |
|            |      | NEW          |
| XNT F 45°  | 1.2  | T0054488799  |
|            |      | NEW          |

\* non-wettable

## CONICAL



| XNT    | Ø a<br>mm | c<br>mm | Order number |
|--------|-----------|---------|--------------|
| XNT 1  | 0.5       | 27.0    | T0054485099  |
| XNT 1L | 0.2       | 42.8    | T0054487199  |

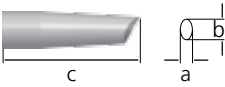
| Type  | Ø a<br>mm | c<br>mm | Order number |
|-------|-----------|---------|--------------|
| XNT S | 0.4       | 37.5    | T0054486899  |

## KNIFE



| Type   | Ø a<br>mm | c<br>mm | Order number |
|--------|-----------|---------|--------------|
| XNT KN | 2.0       | 33.0    | T0054486399  |

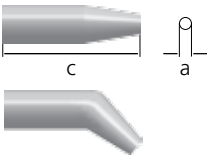
## GULL WING



| Type       | b<br>mm | c<br>mm | Order number |
|------------|---------|---------|--------------|
| XNT GW 45° | 2.0     | 33.0    | T0054485499  |

| Type         | b<br>mm | c<br>mm | Order number |
|--------------|---------|---------|--------------|
| XNT GW 1 45° | 1.5     | 27.5    | T0054488099  |

## ROUND



| Type   | Ø a<br>mm | c<br>mm | Order number |
|--------|-----------|---------|--------------|
| XNT 1S | 0.2       | 28.5    | T0054485299  |
| XNT AS | 1.6       | 29.5    | T0054486999  |
| XNT L  | 2.0       | 37.5    | T0054486699  |
| XNT CS | 3.2       | 29.5    | T0054487099  |

| Type         | Ø a<br>mm | c<br>mm | Order number |
|--------------|-----------|---------|--------------|
| XNT M        | 3.2       | 37.5    | T0054486799  |
| XNT 1LX 45°  | 0.2       | 36.5    | T0054487299  |
| XNT 1X 45°   | 0.4       | 28.0    | T0054486599  |
| XNT 1SLX 45° | 0.4       | 39.5    | T0054487599  |

## SMT

| Type       | Ø a<br>mm | b<br>mm | c<br>mm | Order number |
|------------|-----------|---------|---------|--------------|
| XNT SMT 01 | 10.4      | 0.6     | 7.1     | T0054487699  |
| XNT SMT 02 | 16.8      | 0.6     | 7.1     | T0054487799  |

| Type       | Ø a<br>mm | b<br>mm | c<br>mm | Order number |
|------------|-----------|---------|---------|--------------|
| XNT SMT 03 | 20.8      | 0.6     | 7.1     | T0054487899  |

## ACCESSORIES

| Type               | Ø a<br>mm | c<br>mm | Order number |
|--------------------|-----------|---------|--------------|
| Measuring tip WP65 |           |         | K1131        |
| XNT Screw M4       |           | 26.0    | T0054487999  |

| Type                 | Order number |
|----------------------|--------------|
| Barrel               | T0058765758  |
| Barrel for bent tips | T0058765767  |

\* non wettable



## WSP80/WP80

Universal SMD and THT applications both small and large;  
lowest cost, non-cartridge style tips in entire range.

Effective heat transfer via best material silver core  
Fast ramp up and recovery  
Designed for universal applications

80W, 24V



WSP80  
WP80  
MPR80SET

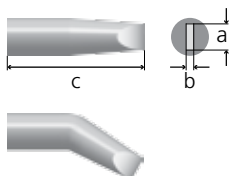
WSP80  
T0052918099  
T0053313199

Pencil, LTB tip  
Pencil, LTB tip  
Pencil, LTH tip, KH25P stand

WP80SET  
WP80 pencil, LTB tip, WDH stand  
T0052918199



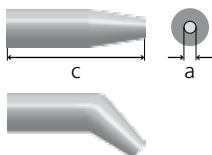
## CHISEL



| LT        | Ø a<br>mm | b<br>mm | c<br>mm | Order number |
|-----------|-----------|---------|---------|--------------|
| LT 1SC    | 0.4       | 0.15    | 15.0    | T0054449499  |
| LT 1SCNW* | 0.3       | 0.1     | 15.0    | T0054449799  |
| LT A      | 1.6       | 0.7     | 12.5    | LT A         |
| LT ASL    | 1.6       | 0.45    | 12.5    | T0054451699  |
|           |           |         |         | NEW          |
| LT B      | 2.4       | 0.8     | 12.5    | LT B         |
| LT BSL    | 2.4       | 0.45    | 12.5    | T0054451799  |
|           |           |         |         | NEW          |
| LT H      | 0.8       | 0.4     | 12.5    | LT H         |
| LT HSL    | 0.8       | 0.4     | 12.5    | T0054451899  |
|           |           |         |         | NEW          |
| LT C      | 3.2       | 0.8     | 12.5    | LT C         |
| LT D      | 4.6       | 0.8     | 12.5    | LT D         |

| Type       | Ø a<br>mm | b<br>mm | c<br>mm | Order number |
|------------|-----------|---------|---------|--------------|
| LT DLL     | 4.6       | 1.2     | 12.5    | T0054444899  |
| LT K       | 1.2       | 0.4     | 20.0    | LT K         |
| LT L       | 2.0       | 1.0     | 20.0    | LT L         |
| LT M       | 3.2       | 1.2     | 20.0    | LT M         |
| LT HX 30°  | 0.8       | 0.4     | 17.5    | LT HX        |
| LT ALX 30° | 1.6       | 0.7     | 17.5    | LT ALX       |
| LT BX 30°  | 2.4       | 0.8     | 17.5    | T0054444299  |
| LT AX 30°  | 1.6       | 0.8     | 14.1    | LT AX        |
| LT 4X 30°  | 1.2       | 0.4     | 17.2    | LT 4X        |
| LT MX 30°  | 3.2       | 1.2     | 20.0    | T0054446999  |

## ROUND

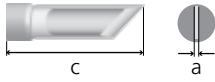


| Type     | Ø a<br>mm | c<br>mm | Order number |
|----------|-----------|---------|--------------|
| LT 1S    | 0.2       | 15.0    | LT 1S        |
| LT 1SNW* | 0.1       | 15.0    | T0054449699  |
| LT 1SA   | 0.5       | 15.0    | T0054448899  |
| LT 1     | 0.25      | 13.0    | LT 1         |
| LT 1LNW* | 0.1       | 25.4    | T0054449899  |

| Type        | Ø a<br>mm | c<br>mm | Order number |
|-------------|-----------|---------|--------------|
| LT 1A       | 0.5       | 13.0    | T0054448999  |
| LT AS       | 1.6       | 12.5    | LT AS        |
| LT CS       | 3.2       | 12.5    | LT CS        |
| LT 1SLX 30° | 0.4       | 22.0    | LT 1SLX      |
| LT 1X 30°   | 0.4       | 13.0    | LT 1X        |

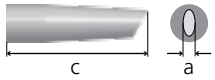
\* non-wettable

## KNIFE



| LT          | Ø a<br>mm | c<br>mm | Order number |
|-------------|-----------|---------|--------------|
| LT KN       | 2.0       | 16.5    | LTKN         |
| LT KNSL 45° | 2.0       | 16.5    | T0054451999  |

## SLOPED



| Type      | a<br>mm | c<br>mm | Order number |
|-----------|---------|---------|--------------|
| LT 4 45°  | 1.2     | 15.0    | T0054443999  |
| LT F 45°  | 1.2     | 12.5    | LTF          |
| LT AA 60° | 1.6     | 12.5    | T0054448799  |
| LT BB 60° | 2.4     | 17.0    | T0054444499  |
| LT BB 45° | 2.4     | 17.0    | T0054448499  |
| LT CC 60° | 3.2     | 17.0    | T0054444599  |
| LT CC 45° | 3.2     | 17.0    | T0054448589  |

| Type        | a<br>mm | c<br>mm | Order number |
|-------------|---------|---------|--------------|
| LT DD 45°   | 4.0     | 20.0    | T0054447899  |
| LT DD 45° A | 4.6     | 17.0    | T0054448699  |
| LT 11CP 45° | 1.2     | 15.0    | T0054442171  |
| LT 22CP 45° | 2.0     | 20.0    | T0054440873  |
| LT 33CP 45° | 3.0     | 20.0    | T0054440877  |
| LT 44CP 45° | 4.0     | 20.0    | T0054440881  |

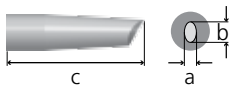
## CONICAL



| Type     | Ø a<br>mm | c<br>mm | Order number |
|----------|-----------|---------|--------------|
| LT 1L    | 0.2       | 25.4    | LT1L         |
| LT 1LNW* | 0.1       | 25.4    | T0054449899  |
| LT S     | 0.4       | 21.0    | LTS          |

| Type       | Ø a<br>mm | c<br>mm | Order number |
|------------|-----------|---------|--------------|
| LT T       | 0.6       | 13.0    | T0054448299  |
| LT O       | 0.8       | 17.0    | T0054448199  |
| LT 1LX 35° | 0.2       | 25.4    | LT1LX        |

## GULL WING



| Type       | Ø a<br>mm | b<br>mm | c<br>mm | Order number |
|------------|-----------|---------|---------|--------------|
| LT GW1 45° | 2.3       | 3.2     | 17.8    | LTGW         |
| LT GW2 45° | 3.5       | 4.8     | 17.8    | T0054451199  |

## ACCESSORIES

| Type                     | a<br>mm | c<br>mm | Order number |
|--------------------------|---------|---------|--------------|
| Measuring tip WSP80      |         |         | K181         |
| Measuring tip WP80       |         |         | K1111        |
| Screw M4 external thread | 8.0     |         | T0054444999  |
| ET-LT Adapter            |         |         | T0058720781  |

## SMT BLADE STYLE

| Type    | a<br>mm | b<br>mm | c<br>mm | Order number |
|---------|---------|---------|---------|--------------|
| LTSMT01 | 10.4    | .06 mm  | 7.1     | T0054450199  |
| LTSMT02 | 16.8    | 0.6 mm  | 7.1     | T0054450299  |
| LTSMT03 | 20.8    | 0.6 mm  | 7.1     | T0054450399  |

\* non wettable

# WP120

120-watt, highest-standard performance iron;  
perfect choice, lower cost, non-cartridge style tips.

Highest power and rapid response  
Optimized sensor position  
Meeting highest industry standards

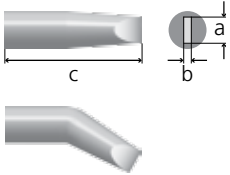
120W, 24V

WP120 T0052919399 Pencil, XTB tip

WP120SET  
WP120 pencil, XTB tip, WDH10T stand  
T0052919499



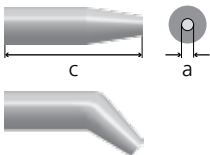
## CHISEL



| XT      | Ø a<br>mm | b<br>mm | c<br>mm | Order number |
|---------|-----------|---------|---------|--------------|
| XT H    | 0.8       | 0.4     | 36.5    | T0054471399  |
| XT A    | 1.6       | 0.7     | 36.5    | T0054470399  |
| XT AL   | 1.6       | 1.0     | 39.5    | T0054470199  |
| XT ASL  | 1.6       | 0.45    | 36.5    | T0054474099  |
| XT M    | 3.2       | 1.2     | 39.5    | T0054470299  |
| XT B    | 2.4       | 0.8     | 36.0    | T0054470499  |
| XT BSL  | 2.4       | 0.45    | 36.0    | T0054474199  |
| XT B SC | 2.5       | 0.8     | 36.3    | T0054473899  |
| XT C    | 3.2       | 0.8     | 36.0    | T0054470599  |

| Type      | Ø a<br>mm | b<br>mm | c<br>mm | Order number |
|-----------|-----------|---------|---------|--------------|
| XT D      | 4.6       | 0.8     | 34.5    | T0054470699  |
| XT CSL    | 3.2       | 0.45    | 36.0    | T0054474299  |
| XT E      | 5.9       | 1.2     | 34.5    | T0054470799  |
| XT DL     | 4.6       | 0.8     | 39.5    | T0054473699  |
| XT MX     | 3.2       | 0.8     | 53.5    | T0054474599  |
| XT HX     | 0.8       | 0.4     | 51.5    | T0054473799  |
| XT AX 30° | 1.6       | 0.7     | 51.5    | T0054474399  |
| XT BX 30° | 2.4       | 0.8     | 51.5    | T0054474499  |

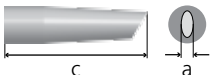
## ROUND



| Type  | Ø a<br>mm | c<br>mm | Order number |
|-------|-----------|---------|--------------|
| XT BS | 2.4       | 36.5    | T0054471599  |
| XT CS | 3.2       | 36.5    | T0054471699  |

| Type  | Ø a<br>mm | c<br>mm | Order number |
|-------|-----------|---------|--------------|
| XT DS | 5.0       | 34.5    | T0054471799  |

## SLOPED

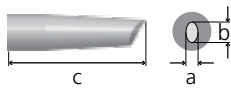


| Type      | a<br>mm | c<br>mm | Order number |
|-----------|---------|---------|--------------|
| XT F 30°  | 1.2     | 36.5    | T0054471899  |
| XT AA 60° | 1.6     | 36.5    | T0054470899  |
| XT BB 45° | 2.4     | 36.5    | T0054470999  |
| XT CC 45° | 3.2     | 36.5    | T0054471099  |

| Type          | a<br>mm | c<br>mm | Order number |
|---------------|---------|---------|--------------|
| XT DDH 45 45° | 4.0     | 40.5    | T0054473099  |
| XT D 45°      | 5.0     | 40.5    | T0054472199  |

\* non-wettable

## GULL WING

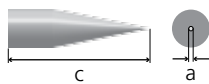


| XT                                                                                              | Ø a<br>mm | b<br>mm | c<br>mm | Order number |
|-------------------------------------------------------------------------------------------------|-----------|---------|---------|--------------|
| XT GW1 45°<br> | 2.3       | 3.2     | 36.5    | T0054471299  |
| XT GW2 45°<br> | 3.5       | 4.8     | 36.5    | T0054473599  |

## KNIFE

| Type                                                                                           | Ø a<br>mm | c<br>mm | Order number |
|------------------------------------------------------------------------------------------------|-----------|---------|--------------|
| XT KN 60°<br> | 2.0       | 45.0    | T0054471199  |

## CONICAL



| Type                                                                                      | Ø a<br>mm | c<br>mm | Order number |
|-------------------------------------------------------------------------------------------|-----------|---------|--------------|
| XT O<br> | 1.0       | 36.5    | T0054471499  |

## ACCESSORIES

| Type                                                                                                 | c<br>mm | Order number |
|------------------------------------------------------------------------------------------------------|---------|--------------|
| Measuring tip<br>(For the WP120)                                                                     |         | K1121        |
| XT Adapter M4<br>  | 36.0    | T0054471999  |
| XT Adapter M5<br> | 36.0    | T0054472099  |

| Type                                                                                              | Ø a<br>mm | b<br>mm | c<br>mm | Order number |
|---------------------------------------------------------------------------------------------------|-----------|---------|---------|--------------|
| XT GW3 45°<br> | 0.8       | 0.9     | 41.5    | T0054473999  |

## SMT BLADE STYLE

| a<br>mm   | Order number |
|-----------|--------------|
| 10 x 4 mm | T0054473190  |
| 20 x 4 mm | T0054473290  |
| 33 x 4 mm | T0054473390  |

| Type                                                                                                         | Order number       |
|--------------------------------------------------------------------------------------------------------------|--------------------|
| Barrel<br>                | WP 120 T0058763709 |
| Barrel for bent tips<br> | WP 120 T0058765802 |



## WP200

Highest power 200W soldering iron; ideal for highest mass applications e.g. LED back-panels or RF shields.

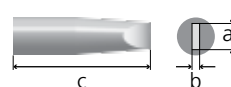
Maximum power and rapid response  
Optimized sensor position  
Meeting highest industry standards



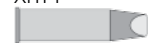
WP200

T0052919999

## CHISEL



| XHT                                                                                          | Ø a<br>mm | b<br>mm | c<br>mm | Order number |
|----------------------------------------------------------------------------------------------|-----------|---------|---------|--------------|
| XHT C<br> | 3.2       | 1.2     | 48.0    | T0054480499  |
| XHT D<br> | 5.0       | 1.2     | 48.0    | T0054480199  |

| Type                                                                                           | Ø a<br>mm | b<br>mm | c<br>mm | Order number |
|------------------------------------------------------------------------------------------------|-----------|---------|---------|--------------|
| XHT E<br> | 7.6       | 1.5     | 48.0    | T0054480299  |
| XHT F<br> | 9.3       | 2.0     | 48.0    | T0054480599  |

## WMP

65 watt pencil provides fast heat-up and good thermal recovery

65W, 24V



Short tip-to-grip  
37mm / 1.46"  
Built-in heating element

WMP TWMP Pencil, NT1 tip

WMPSET  
T0052917999  
WMP pencil, NT1 tip, WDH20 stand



## NT SERIES TIPS

|  |                              |                | A     |      | B     |      | C     |       |
|--|------------------------------|----------------|-------|------|-------|------|-------|-------|
|  | Type                         | Catalog number | in    | mm   | in    | mm   | in    | mm    |
|  | Micro                        | NT1            | 0.010 | 0.25 |       |      | 0.291 | 7.40  |
|  | Micro                        | NT1S           | 0.010 | 0.25 |       |      | 0.333 | 8.45  |
|  | Bent Round                   | NT1X           | 0.016 | 0.40 | 0.063 | 1.60 | 0.321 | 8.15  |
|  | Round                        | NT4            | 0.047 | 1.20 |       |      | 0.390 | 9.90  |
|  | Chisel                       | NT6            | 0.063 | 1.60 | 0.016 | 0.40 | 0.372 | 9.45  |
|  |                              | NTA            | 0.063 | 1.60 | 0.016 | 0.40 | 0.331 | 8.40  |
|  |                              | NTB            | 0.094 | 2.40 | 0.031 | 0.80 | 0.289 | 7.35  |
|  |                              | NTC            | 0.126 | 3.20 | 0.031 | 0.80 | 0.305 | 7.75  |
|  |                              | NTD            | 0.157 | 4.00 | 0.031 | 0.80 | 0.305 | 7.75  |
|  |                              | NTH            | 0.031 | 0.80 | 0.016 | 0.40 | 0.331 | 8.40  |
|  |                              | NTK            | 0.047 | 1.20 | 0.016 | 0.40 | 0.331 | 8.40  |
|  | Fine Chisel                  | NT1SC          | 0.130 | 3.30 |       |      | 0.325 | 18.00 |
|  | Bent Chisel                  | NTAX           | 0.075 | 1.90 | 0.028 | 0.70 | 0.325 | 18.00 |
|  | Gull wing for drag soldering | NTGW           | 0.106 | 2.70 | 0.047 | 1.20 | 1.142 | 29.00 |



Tip removal tool T0058751710

## WSP150

For jobs with extremely high heat requirements and large heat sinks.

150W, 24V



Effective heat transfer  
High power and quick response

WSP150 T0052917099

WSP150SET  
T0052918999  
WSP150, LHTF tip, WDH30 stand



| Catalog number | Order number | Style       | A               | B              |
|----------------|--------------|-------------|-----------------|----------------|
| LHTD           | T0054445299  | Chisel      | 0.197" (5.0 mm) | 0.79" (2.0 mm) |
| LHTE           | T0054445199  | Chisel      | 0.276" (7.0 mm) | 0.79" (2.0 mm) |
| LHTF           | T0054445099  | Chisel      | 0.366" (9.3 mm) | 0.79" (2.0 mm) |
| LHTD45         | T0054445699  | Sloped 45°  | 0.197" (5.0 mm) | -              |
| LHTDX          | T0054446299  | Chisel bent | 0.199" (5.0 mm) | 0.79" (2.0 mm) |
| LHTEX          | T0054446199  | Chisel bent | 0.276" (7.0 mm) | 0.79" (2.0 mm) |
| LHTFX          | T0054446099  | Chisel bent | 0.354" (9.0 mm) | 0.79" (2.0 mm) |

## WTA50

Desoldering tweezers for SMD components.

2 x 25W, 24V

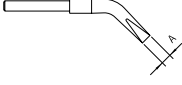


Dual heating elements & independent sensors provide uniform temperature  
The tips are attached via set screws

WTA50 T0051317199 Tweezer, WTA1 tips  
WTA50SET T0053313399 WTA50, WTA1 tips, AK51 stand

## THERMAL TWEEZER TIPS

WTA series tiptlets for WTA50 thermal tweezers tinned with lead-free solder

|                                                                                   | Catalog number | Order number | A     |      |
|-----------------------------------------------------------------------------------|----------------|--------------|-------|------|
|                                                                                   |                |              | in    | mm   |
|  | WTA1           | T0054414199  | 0.039 | 1.00 |
|                                                                                   | WTA2           | T0054414699  | 0.118 | 3.00 |
|                                                                                   | WTA3           | T0054414799  | 0.236 | 6.00 |

|                                                                                    | Catalog number | Order number | A     |       |
|------------------------------------------------------------------------------------|----------------|--------------|-------|-------|
|                                                                                    |                |              | in    | mm    |
|  | WTA4           | T0054414399  | 0.492 | 12.50 |
|                                                                                    | WTA5           | T0054414499  | 0.728 | 18.50 |

## DXV80

Desoldering irons for through hole rework.

800W, 24V



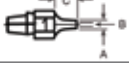
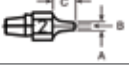
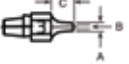
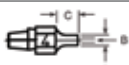
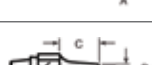
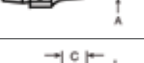
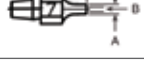
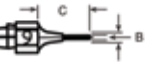
80W, 24V

Pencil and inline desoldering tools  
Micro finger switch

DXV80 T0051318099 Desoldering iron, DX112 tiptlet  
DXV80SET T0051318099 DXV80, DX112 tiptlet, WDH40 stand  
DSX80 T0051319099 Desoldering iron, DX113HM tiptlet  
DSX80SET T0051318399 DSX80, DX112/DX113 tiptlets, WDH30 stand

## DESOLDERING TIPPLETS

DX series tiptlets for DSV80/DSX80 desoldering iron

|                                                                                     | Cat No.                       | Order number | A (O.D.) |      | B (I.D.) |      | C     |       |
|-------------------------------------------------------------------------------------|-------------------------------|--------------|----------|------|----------|------|-------|-------|
|                                                                                     |                               |              | in       | mm   | in       | mm   | in    | mm    |
|  | DX110                         | T0051314099  | 0.075    | 1.90 | 0.028    | 0.70 | 0.325 | 18.00 |
|  | DX111                         | T0051314199  | 0.098    | 2.50 | 0.028    | 0.70 | 0.325 | 18.00 |
|  | DX112                         | T0051314299  | 0.091    | 2.30 | 0.039    | 1.00 | 0.325 | 18.00 |
|  | DX113                         | T0051314399  | 0.098    | 2.50 | 0.047    | 1.20 | 0.325 | 18.00 |
|  | DX113HM<br>High Mass Tiptlet  | T0051315099  | 0.098    | 2.49 | 0.047    | 1.19 | 0.906 | 23.00 |
|  | DX114                         | T0051314499  | 0.130    | 3.30 | 0.071    | 1.80 | 0.325 | 18.00 |
|  | DX115                         | T0051314599  | 0.075    | 1.90 | 0.028    | 0.70 | 0.325 | 18.00 |
|  | DX116                         | T0051314699  | 0.106    | 2.70 | 0.047    | 1.20 | 1.142 | 29.00 |
|  | DX117                         | T0051314799  | 0.114    | 2.90 | 0.059    | 1.50 | 0.906 | 23.00 |
|  | DX118                         | T0051314899  | 0.059    | 1.50 | 0.058    | 0.71 | 0.906 | 23.00 |
|  | DX119<br>Non-Wetting Tiptlet  | T0051315199  | 0.043    | 1.10 | 0.028    | 0.71 | 1.22  | 31.00 |
|  | DX120<br>Pad Cleaning Tiptlet | T0051315299  | 0.098    | 2.49 | 0.043    | 1.09 | 0.866 | 22.00 |

## DSX120 DESOLDERING IRON NEW

Ideal for professional rework applications.

120W, 24V



35-second heat up time

Low-maintenance tiplets

DSX120  
WDH30

T0051319899  
T0051515299

Desoldering pencil, XDS1 triplet  
Stand

## XDS LONG-SHAFT DESOLDERING TIPPLETS

For use with the DSX irons

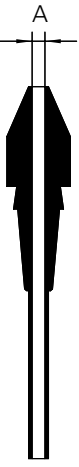
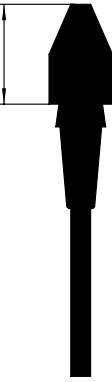
### ■ Innovative tiplets

120-watt low mass silver long shaft heating element with an eccentric oval for easy triplet exchange

### ■ Limited cleaning

New clog-resistant XDS tiplets reduce the need for frequent cleaning

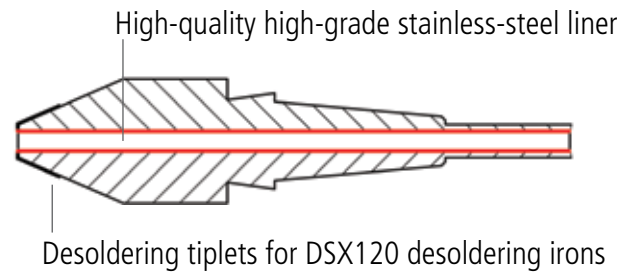


| Model number |                                                                                     | Order Number                   | A (ID)                  |                                                                                    | B (OD)                  |                                                                                      | C (Length)               |                                                                                      |
|--------------|-------------------------------------------------------------------------------------|--------------------------------|-------------------------|------------------------------------------------------------------------------------|-------------------------|--------------------------------------------------------------------------------------|--------------------------|--------------------------------------------------------------------------------------|
| XDS1         |    | T0051325099                    | Ø 1.4 mm<br>Ø 0.0651 in |  | Ø 2.5 mm<br>Ø 0.0984 in |  | Ø 10.5 mm<br>Ø 0.4134 in |  |
| XDS2         |    | T0051325199                    | Ø 3.0 mm<br>Ø 0.1181 in |                                                                                    | Ø 5.3 mm<br>Ø 0.2087 in |                                                                                      | Ø 10.5 mm<br>Ø 0.4134 in |                                                                                      |
| XDS3         |  | T0051325299                    | Ø 1.0 mm<br>Ø 0.0394 in |                                                                                    | Ø 2.3 mm<br>Ø 0.0906 in |                                                                                      | Ø 10.5 mm<br>Ø 0.4134 in |                                                                                      |
| XDS4         |  | T0051325399                    | Ø 1.2 mm<br>Ø 0.0472 in |                                                                                    | Ø 2.5 mm<br>Ø 0.0984 in |                                                                                      | Ø 10.5 mm<br>Ø 0.4134 in |                                                                                      |
| XDS5         |  | T0051325499                    | Ø 1.8 mm<br>Ø 0.0709 in |                                                                                    | Ø 3.3 mm<br>Ø 0.1299 in |                                                                                      | Ø 10.5 mm<br>Ø 0.4134 in |                                                                                      |
| XDS6         |  | T0051325599                    | Ø 0.7 mm<br>Ø 0.0276 in |                                                                                    | Ø 1.9 mm<br>Ø 0.0748 in |                                                                                      | Ø 16.5 mm<br>Ø 0.6496 in |                                                                                      |
| XDS7         |  | T0051325699                    | Ø 1.2 mm<br>Ø 0.0472 in |                                                                                    | Ø 2.7 mm<br>Ø 0.1063 in |                                                                                      | Ø 16.5 mm<br>Ø 0.6496 in |                                                                                      |
| XDS8         |  | T0051325799                    | Ø 1.5 mm<br>Ø 0.0591 in |                                                                                    | Ø 2.9 mm<br>Ø 0.1142 in |                                                                                      | Ø 10.5 mm<br>Ø 0.4134 in |                                                                                      |
| XDS9         |  | T0051325899<br>(Measuring tip) | Ø .55 mm<br>Ø 0.0217 in |                                                                                    | Ø 2.2 mm<br>Ø 0.0866 in |                                                                                      | Ø 11.0 mm<br>Ø 0.4331 in |                                                                                      |

# XDSL SERIES DESOLDERING TIPPLETS NEW

For use with the DSX120 desoldering iron.

- Extended shaft tiptlets deposit molten solder directly into the solder collection tube
- Easy change tiptlet design
- Stainless-steel tube liner for maximum durability
- Minimize tip cleaning time by changing the tiptlet and suction path simultaneously
- Optimized at the lowest temperature, tiptlet life is extended up to three times



| Model number | Order number                   | A (ID)                  | B (OD)                  | C (Length)               |
|--------------|--------------------------------|-------------------------|-------------------------|--------------------------|
| XDSL1        | T0051325999                    | Ø 1.4 mm<br>Ø 0.0651 in | Ø 2.5 mm<br>Ø 0.0984 in | Ø 10.5 mm<br>Ø 0.4134 in |
| XDSL2        | T0051326099                    | Ø 3.0 mm<br>Ø 0.1181 in | Ø 5.3 mm<br>Ø 0.2087 in | Ø 10.5 mm<br>Ø 0.4134 in |
| XDSL3        | T0051326199                    | Ø 1.0 mm<br>Ø 0.0394 in | Ø 2.3 mm<br>Ø 0.0906 in | Ø 10.5 mm<br>Ø 0.4134 in |
| XDSL4        | T0051326299                    | Ø 1.2 mm<br>Ø 0.0472 in | Ø 2.5 mm<br>Ø 0.0984 in | Ø 10.5 mm<br>Ø 0.4134 in |
| XDSL5        | T0051326399                    | Ø 1.8 mm<br>Ø 0.0709 in | Ø 3.3 mm<br>Ø 0.1299 in | Ø 10.5 mm<br>Ø 0.4134 in |
| XDSL6        | T0051326499                    | Ø 0.7 mm<br>Ø 0.0276 in | Ø 1.9 mm<br>Ø 0.0748 in | Ø 16.5 mm<br>Ø 0.6496 in |
| XDSL7        | T0051326599                    | Ø 1.2 mm<br>Ø 0.0472 in | Ø 2.7 mm<br>Ø 0.1063 in | Ø 16.5 mm<br>Ø 0.6496 in |
| XDSL8        | T0051326699                    | Ø 1.5 mm<br>Ø 0.0591 in | Ø 2.9 mm<br>Ø 0.1142 in | Ø 10.5 mm<br>Ø 0.4134 in |
| XDSL9        | T0051325899<br>(Measuring tip) | Ø .55 mm<br>Ø 0.0217 in | Ø 2.2 mm<br>Ø 0.0866 in | Ø 11.0 mm<br>Ø 0.4331 in |

# HAP1/HAP200 HOT AIR PENCILS

Precisely delivers hot air to SMD components.

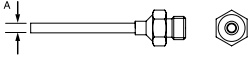
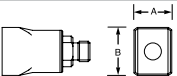


Finger-activated hot air switch  
Easy exchange nozzles

|           |             |
|-----------|-------------|
| HAP200    | T0052711699 |
| HAP200SET | T0052711799 |
| HAP1SET   | T0052711899 |

## HOT AIR NOZZLES

Nozzles for HAP1 and HAP200 hot air pencils

| ROUND                                                                             | Order number                                                                       | A           |             | B           |    |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------|-------------|-------------|----|
|                                                                                   |                                                                                    | in          | mm          | in          | mm |
|  | T0058727823                                                                        | 0.031       | 0.80        | --          | -- |
|                                                                                   | T0058727821                                                                        | 0.047       | 1.20        | --          | -- |
|                                                                                   | T0058727787                                                                        | 0.098       | 2.50        | --          | -- |
|                                                                                   | T0058727822                                                                        | 0.118       | 3.00        | --          | -- |
| ROUND BENT                                                                        | Order number                                                                       | A           |             | B           |    |
|                                                                                   |                                                                                    | in          | mm          | in          | mm |
|                                                                                   | T0058727786                                                                        | 0.079       | 2.00        | --          | -  |
| 2-SIDES HEATED                                                                    |  | A           |             | B           |    |
|                                                                                   |                                                                                    | in          | mm          | in          | mm |
|                                                                                   |                                                                                    | T0058727782 | 0.394 10.00 | 0.512 13.00 |    |
|                                                                                   |                                                                                    | T0058727781 | 0.394 10.00 | 0.591 15.00 |    |
|                                                                                   |                                                                                    | T0058727784 | 0.394 10.00 | 0.709 18.00 |    |
|                                                                                   | T0058727779                                                                        | 0.413 10.50 | 0.413 10.50 |             |    |
| 4-SIDES HEATED                                                                    | Order number                                                                       | A           |             | B           |    |
|                                                                                   |                                                                                    | in          | mm          | in          | mm |
|                                                                                   | T0058727777                                                                        | 0.236 6.00  | 0.256 6.50  |             |    |
|                                                                                   | T0058727778                                                                        | 0.236 6.00  | 0.354 9.00  |             |    |
|                                                                                   | T0058727780                                                                        | 0.394 10.00 | 0.591 15.00 |             |    |
|                                                                                   | T0058727783                                                                        | 0.492 12.50 | 0.591 15.00 |             |    |
|                                                                                   | T0058727785                                                                        | 0.709 18.00 | 0.709 18.00 |             |    |
| FLAT                                                                              | Order number                                                                       | A           |             | B           |    |
|                                                                                   |                                                                                    | in          | mm          | in          | mm |
|                                                                                   | T0058727774                                                                        | 0.059 1.50  | 0.315 8.00  |             |    |
|                                                                                   | T0058727773                                                                        | 0.059 1.50  | 0.394 10.00 |             |    |
|                                                                                   | T0058727772                                                                        | 0.059 1.50  | 0.472 12.00 |             |    |

\* HAP200 Requires M6 Nozzle Adapter (Order number 0058761728)

# RESOURCES FOR THE FUTURE.

Weller is a committed supporter of actions that help to protect our environment and to conserve natural resources.

By recycling the copper and iron from used tips, we can make a real contribution towards helping the environment.

Collect your worn out soldering tips, all types from all manufacturers, send them to us, and we will arrange for their environmentally safe recycling.

Not only will your effort benefit the environment but it will also benefit you because for every 2 lbs. of worn out tips you send to us, you will receive a \$75.00 voucher to be used against your next purchase of Weller Brand tips.

Get involved with Weller—the environment will profit and so will you.

Send your full TIP RECYCLING BOX to the address on the box or to:

Weller Tools  
1000 Lufkin Road  
Apex, NC 27539 USA



## Tip recycle box

for two pounds of used tips.  
Order number: T550729



# Weller®



## ACCESSORIES



### WDC DRY CLEANER

Order number: T0051512499  
Soft solution for cleaning lead-free solder with brass wool. Replacement wools: T0051384099 (2 pcs.)



### WDC2 DRY CLEANER

Order number: T0051512599  
Soft solution for cleaning lead-free solder with brass wool. For WDH safety rests..Replacement wools: T0051384099 (2 pcs.)



### LEAD FREE TIP ACTIVATOR

Order number: T0051303199  
For regeneration of solder tips. Proper use will prolong lifetime of tips. Environmentally safe.



### CLEANING TOOL

Order number: T0058765773  
For cleaning of desoldering tiptlets and for tiptlet exchange.



### SERVICE SET

Order number: T0051312499  
Spare filter for desoldering iron DSX80/DSX120



(Tip not included)

### TIP RETAINER FOR WSP80 / WP80

Barrel for WSP80  
Order number: WS102  
Barrel long for WP80 (55mm)  
Order number: T0058744846  
Barrel short for WP80 (40mm)  
Order number: T0058744845



### FILTER CARTRIDGE

Order number: T0058741815  
Spare cartridge for Desoldering iron DXV80 (5 pcs.)



### POLISHING BAR

Order number: WPB1  
Polishing bar cleans and renews the surface of a soldering tip. Should be used only when solder tip is cold.



### SPONGE

Order number: T0052241999  
Dimensions 70 x 55 x 16mm (5 pcs.)



## WHP200

Order number: WHP200  
120V, 50/60Hz, 200W infrared  
150°F - 750°F (50°C - 400°C)  
4.72" x 2.36" (120mm x 60mm)  
ESD safe



## WHP1000

Order number: WHP1000  
120V, 50/60Hz, 850W infrared  
150°F - 570°F (50°C - 300°C)  
6.0" x 8.75" (150mm x 220mm)  
ESD safe



## WHP3000

Order number: WHP3000  
120V, 50/60Hz, 200-600W infrared  
150°F - 750°F (50°C - 400°C)  
ESD safe



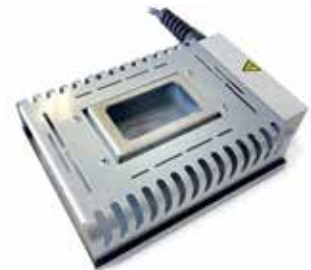
## WHP80

Order number: T0052702899  
Hot plate 3.2" x 2"  
80W, 24V  
150°F - 400°F (50°C - 200°C)  
3.15" x 1.97" (80mm x 50mm)



## WSB80

Order number: T0052704099  
80W, solder bath, 24V  
150°F - 850°F (50°C - 450°C)  
0.79" x 0.98" (20mm x 25mm)



## WSB150

Order number: T0052704299  
150W, solder bath, 24V  
150°F - 850°F (50°C - 450°C)  
2.28" x 1.30" x 0.748"  
(58mm x 33mm x 19mm)



## TIPLET REMOVAL PLIERS

Order number: T0058765801  
Ergonomically shaped handles  
prevent hand fatigue, DX/XDS/XDSL  
tiplets are easy to change



## WVP

Order number: T0052918499  
Vacuum pick-up pen  
WR3M only

## AIR FILTERS FOR WR2/WR3M/WR3ME (3/pk)

Order number:  
T0058759725

## AIR FILTERS FOR WR2/WR3M/WR3ME (3/PK)

Order number:  
T0058759726

# WHY 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 leadfree soldering would be emission friendly. In reality leadfree soldering smoke emissions contain more breathable fine dust particles.

More 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.

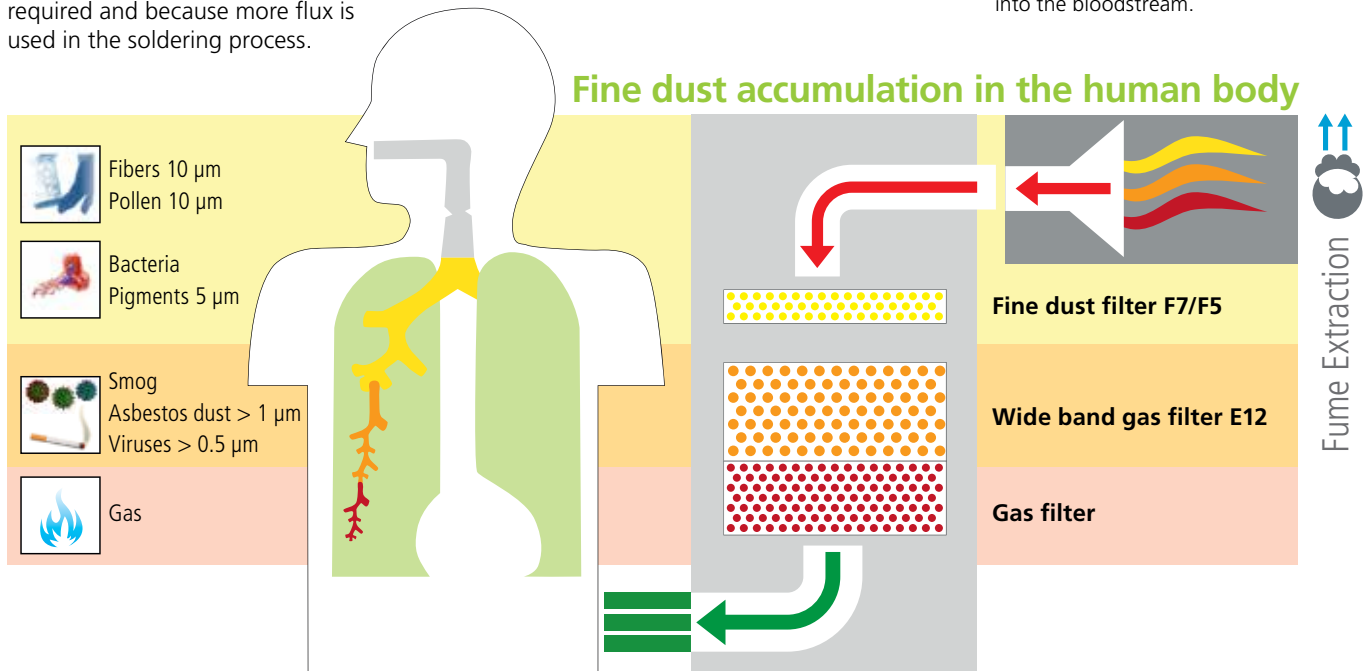
It is important to use the correct safety equipment to remove these hazardous substances. Fine particles are more dangerous to inhale than big particles as they get caught more easily and block the alveoli in the lungs.

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.

The smaller the particles are, the deeper they penetrate into the respiratory system.

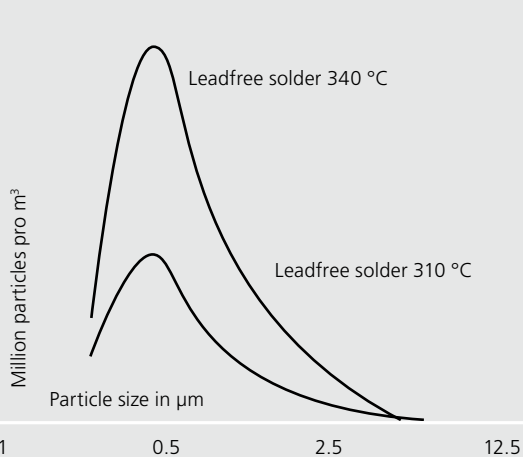
The deeper the particles penetrate, the higher the health risks.

The smallest particles travel via alveoli into the bloodstream.



## Pollution concentration

**Increasing soldering temperature causes higher pollutant concentration of small particles!**



## Filter classes

**Medium filtration efficiency Em % against particle size 0.12 µm**



# Clean Air Solutions



Fume Extraction

## TECHNICAL DATA

## VOLUME EXTRACTION

## TIP EXTRACTION

|                             | WFE2ES      | MG100S           | ZERO SMOG 4V  | ZERO SMOG 6V  | WFE2P*        | ZERO SMOG 20T |
|-----------------------------|-------------|------------------|---------------|---------------|---------------|---------------|
| Voltage/Frequency           | 120V/60Hz   | 100-240V/50-60Hz | 120V/60Hz     | 120V/60Hz     | 120V/60Hz     | 120V/60Hz     |
| Noise Emission Level        | 55 dB(A)    | 54 dB(A)         | 48 dB(A)      | 51 dB(A)      | 45 dB(A)      | 51 dB(A)      |
| Power Rating                | 120VA       | 175 VA           | 275 VA        | 460 VA        | 60 VA         | 630VA         |
| Maximum Vacuum              | 1,800 Pa    | 2,300 Pa         | 2,700 Pa      | 2,800 Pa      | 30,000 Pa     | 10,000 Pa     |
| Maximum Suction Capacity    | 220 m³/h    | 100 m³/h         | 230 m³/h      | 615 m³/h      | 30 l/m        | 100 m³/h      |
| CFM Equivalent (Approx.)    | 105 CFM     | 60 CFM           | 135 CFM       | 362 CFM       | N/A           | N/A           |
| (1) Pre-Filter              | F5          | N/A              | F7            | F7            | F7            | F7            |
| (2) HEPA Filter             | E12         | E12              | E12           | E12           | E12           | E12           |
| (2) HEPA w/Gas Filter Media | NO          | YES/Wide Band    | YES/Wide Band | YES/Wide Band | YES/Wide Band | YES/Wide Band |
| (3) HEPA Gas Filter Option  | NO          | NO               | YES           | YES           | YES           | NO            |
| Dimensions LxWxH (mm)       | 320x320x395 | 460x610x210      | 320x320x395   | 450x450x650   | 140x295       | 450x450x695   |
| Weight                      | 9 kg        | 15 kg            | 19 kg         | 40 kg         | 4.9 kg        | 45 kg         |

\*Do not use for 24 h continuous operation.

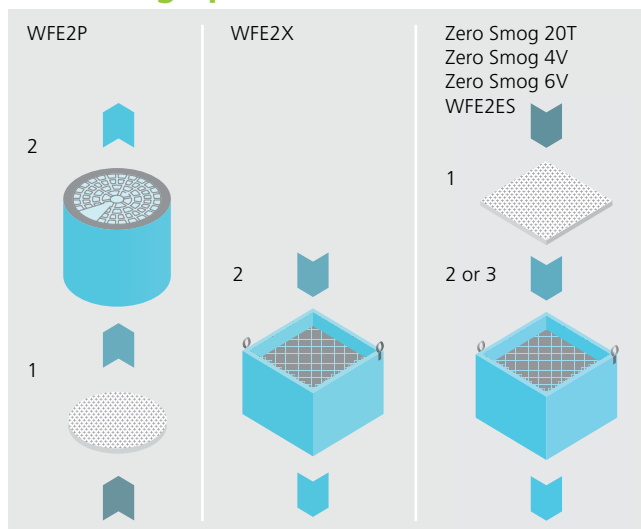
## VOLUME EXTRACTION

| PRODUCT           | CATALOG NUMBER | WX COMPATIBILITY | FILTER STAGES | NUMBER OF OPERATORS | STATION CASTERS INCLUDED |
|-------------------|----------------|------------------|---------------|---------------------|--------------------------|
| WFE2ES            | WFE2ES         | NO               | 3 Stages      | 1-2                 | NO                       |
| WFE2ESKIT1        | WFE2ESKIT1     | NO               | 3 Stages      | 1-2                 | NO                       |
| MG100S            | U-100-100      | ESD              | 2 Stage       | 1-2                 | NO / Option: T0053651299 |
| MG100S KIT1       | U-100-1055     | ESD              | 2 Stage       | 1-2                 | NO / Option: T0053654299 |
| ZERO SMOG 4V      | T0053660299    | YES              | 3 Stages      | 1-4                 | YES                      |
| ZERO SMOG 4V GAS  | T0053661299    | YES              | 3 Stages      | 1-4                 | YES                      |
| ZERO SMOG 4V KIT1 | T0053663299    | YES              | 3 Stages      | 1-4                 | YES                      |
| ZERO SMOG 4V KIT2 | T0053665299    | YES              | 3 Stages      | 1-4                 | YES                      |
| ZERO SMOG 6V      | T0053666299    | YES              | 3 Stages      | 1-6                 | YES                      |
| WFE2P             | T0053623299    | NO               | 2 Stages      | 1-2                 | NO                       |
| ZERO SMOG 20T     | T0053670299    | YES              | 3 Stages      | 1-20                | YES                      |

## TIP EXTRACTION



## Filter stage process



1 - **FINE DUST FILTER** For standard applications with a small amount of flux and pollution gases with high solid content, WellerFT offers filter classes F5 or F7.

2 - **MAIN COMPACT FILTER** consisting of HEPA filter particles up to 0.3µm. WellerFT offers HEPA (Efficiency Particulate Air) filters of class E12, medium filtration efficiency 99.5%. Wide band gas filter for cleaning harmful fumes and vapors. The WellerFT 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)** 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 E12 is omitted.

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