WX TEAM

One platform – Up to every challenge

GENUINE
Weller®
Approved tip quality

Weller®

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OUR WXTEAM

Five pros – any challenge.

WXD 2

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OUR WX TEAM

The five specialists from the Weller WX Team will solve all your problems to do with soldering, desoldering and the use of hot-air in your manufacturing process. The entire WX team offers full WX tool compatibility, tried-and-tested benchtop functions and all essential traceability features.

OUR WX **TEAM**

WXA 2

Safe manual soldering

Weller WX stations make the manual soldering process safer, a crucial factor in the automobile, aerospace and medical technology industries. This is guaranteed by temperature and tool locking, and tool-specific temperature settings.

Use as benchtop controller

Integrated USB ports allow WX stations to be connected to and to control soldering fume extractors, pre-heat plates and programmable logic controllers (PLC). The connected tools feed back their parameters and status to the display.

Intelligent tool detection

All connected tools and accessories are detected automatically by the stations and their name(s) shown on the display.

Multifunctional USB port

Firmware updates and registration are quick and easy using USB sticks. User-friendly PC interface.

Integrated parameter memory

Parameters such as standby temperatures and automatic switch-off time can easily be stored in the soldering iron. Parameters only need to be stored once; the soldering iron can then use them with any WX station.
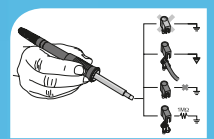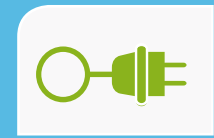
Maximum safety, maximum flexibility

A unique equipotential bonding connection is provided free of charge. The jack sleeve has 4 possible settings:
hard earthed, equipotential bonding, floating and soft earthed.

ESD safe

All WX devices are ESD-safe and can be used in EPA regions.

Huge energy savings Usage sensor

Thanks to an integrated sensor, WX tools are motion activated. This means that they consume power only when they are actually in use. Connected accessories a lso go into standby mode.

Traceability

All WX stations are traceable and can be integrated into an existing traceability process.

Extremely short learning curve

Multi-language menu guide: German, English, French, Italian, Spanish, Portuguese and Mandarin. Other languages can be implemented on request.

Robot output

A digital, optically decoupled robot connection comes as standard.

WX SOLDERING STATION

A new era of soldering.

TWO STATIONS – MANY ADVANTAGES

The powerful, user-friendly WX 1 and WX 2 Soldering stations have redefined the world of soldering. Maximum process reliability for manual soldering tasks is guaranteed for the automobile, aerospace and medical technology industries. Any soldering process can be programmed easily using these intelligent tools, and a unique level of dependability assured. Whatever technique is used, these devices are intuitive and easy to operate thanks to their touch screens and language options. There is a choice between 1-channel and 2-channel stations.

WX 1

LAURA & SAM
THE MIGHTY TWINS

Laura and Sam are the founding members and reliable service providers in the WX Team. Their outstanding performance, unique appeal and intuitive handling have largely defined the WX Character.
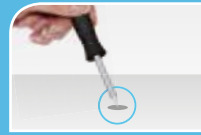
OUR WX **TEAM**
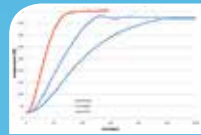
NS

WX 2

ADVANTAGES AT A GLANCE

Visual process control through LED signal function
Blue LED ring light (light is out = Off, light is blinking = Standby or Heating Up, light is on = tip ready for use)

Tailor-made performance
Weller heating technologies deliver precise performance on demand.

Quick heating time
WX soldering irons heat in ultra-quick time and can be used immediately.

Temperature stability/accuracy

± 2 °C

All WX Soldering tools have a temperature stability of ± 2° C and a temperature accuracy of ± 9° C, as per IPC standard.

Intuitive operation
The robust touch screen is a capacitive touch panel made of real glass. It is anti-static and temperature-resistant. The turn-and-click wheel with confirm button allows intuitive operation.

Huge energy savings Motion sensor
Thanks to an integrated sensor, WX tools are motion activated. This means that they consume power only when they are actually in use. Connected accessories also go into standby mode.

WX soldering station Compatibility

Soldering

WXP 65   Soldering iron
WXP 120 Soldering iron
WXP 200 Soldering iron
WXMP Micro soldering iron
WXMT Micro desoldering iron tweezers
WXMP MS Micro soldering iron
WXMT MS Micro desoldering tweezers

Accessories

WHP 1000 Pre-heating plate
WHP 3000 Pre-heating plate
WXHP 120 Pre-heating plate
WXSB 200 Solder bath

Solder fume extractors

Zero Smog 4V
Zero Smog 6V
Zero Smog 20T

WXD 2 DESOLDERING

Remove solder with the fastest desoldering irons in the world.

DAVE
THE VACUUM MAN

Nothing stays around long when Dave's on the job. He clears the area in no time and leaves the surface ready for new jobs. All by himself!

OUR WX **TEAM**

THIS DESOLDERING SYSTEM IS IN A LEAGUE OF ITS OWN!

With the 2-channel soldering station and WXD 2 Desoldering station, plus the high-power WXPD 120 Desoldering iron, you can tackle jobs you hardly thought possible. With a heating time of 35 seconds, the WXDP 120 Desoldering iron sets new standards for high-performance soldering and desoldering.
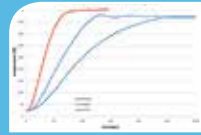
STATION

ADVANTAGES AT A GLANCE

External compressed air supply
The maintenance-free Venturi unit produces a constant vacuum via an external compressed air supply. A separate compressed air supply is needed.

Fastest desoldering iron
With its 120 Watts and extremely short heating time, the desoldering iron can easily handle jobs that would have been difficult in the past, including desoldering high mass PCBs.

No tedious cleaning
The new, extended nozzle shaft prevents the suction tube sticking. Since the suction channel has also been replaced, the once tedious and time-consuming task of cleaning the tool is now a thing of the past.

Quick replacement
Thanks to ingenious mountings, the suction nozzle and solder cartridge can be changed quickly and easily – without the risk of burning or tricky replacement work.

Huge cost savings
The relatively low operating temperature (380°C) and automatic standby mode controlled by the use sensor increase the service life of the suction nozzles by a factor of 3.

User-friendly handling
An ergonomically-shaped Softgrip handle with integrated finger switch makes for efficient operation. The short distance between the solder cartridge and the Softgrip handle prevents the tool from twisting while held in the hand.

Vacuum run-on
A vacuum run-on time can be set to prevent the suction pump blocking.

2 models are available.
The WXDP 120 is designed for horizontal operation and the WXDV 120 for vertical operation.

WXD 2 Desoldering station Compatibility

Soldering
WXP 65   Soldering iron
WXP 120 Soldering iron
WXP 200 Soldering iron
WXMP Micro soldering iron
WXMT Micro desoldering iron tweezers
WXMP MS Micro soldering iron
WXMT MS Micro desoldering tweezers

Desoldering
WXDP 120 Desoldering iron
WXDV 120 Desoldering iron

Accessories
WHP 1000 Pre-heating plate
WHP 3000 Pre-heating plate
WXHP 120 Pre-heating plate
WXSB 200 Solder bath

Solder fume extractors
Zero Smog 4V
Zero Smog 6V
Zero Smog 20T

WXA 2 HOT-AIR STATIO

The perfect solution for hot-air and soldering jobs.

ALEX
HIS AIRNESS

The elegant player in the WX Team is "His Airness". He gently handles the finest jobs but is also extremely forceful when necessary. He moves between these extremes with ultimate ease. A real grandee in the team!

OUR WX **TEAM**

HOT-AIR AND SOLDERING IN A SINGLE STATION.

Clear handling advantages and tangible cost savings in one unit. That's what you get with the WXA 2 hot-air station. Ideal for complex hot-air jobs or traditional soldering. The hot-air amount (20 l/min, at 6 bar) is infinitely adjustable. And of course the entire range of high-performance hot-air and soldering accessories is compatible with this station.

ADVANTAGES AT A GLANCE

Adjustable air amount
The amount of air can be controlled using the rotary knob. An external compressed air supply is needed. The amount of air is displayed in percent.

Adjustable operating mode
The unit has 3 separate operating modes.
Operating mode level 1 – the air flow continues for as long as the button on the hot-air iron or foot switch is pressed.
Operating mode level 2 – if the button is pressed once, the hot-air flow continues for between 0 and 300 seconds, stopping at the end of the set time.
Operating mode level 3 – the WXHAP 200 switches on with one press of the button and off with the second press.

Finger and foot switches
The air flow is controlled using the finger switch in the handle. It can also be controlled by a foot switch (optional).

Maximum flexibility
The comprehensive nozzle selection makes the WXHAP 200 Hot-air soldering pencil suitable for a wide range of applications. Flat and round nozzles, dual and quad nozzles.

Ion trap
All WX devices are ESD-safe and can be used in EPA regions. The ion trap in the iron ensures that the emerging hot-air is free of static electricity.

Inert gas operation
An inert gas (nitrogen) can also be used for challenging soldering jobs to generate the hot-air.

WXA 2 Hot-air station
Maximum flexibility

Soldering
WXP 65   Soldering iron
WXP 120 Soldering iron
WXP 200 Soldering iron
WXMP Micro soldering iron
WXMT Micro desoldering irontweezers
WXMP MS Micro soldering iron
WXMT MS Micro desoldering tweezers

Hot-air
WXHAP 200 Hot-air soldering pencil

Accessories
WHP 1000 Pre-heating plate
WHP 3000 Pre-heating plate
WXHP 120 Pre-heating plate
WXSB 200 Solder bath

Solder fume extractors
Zero Smog 4V
Zero Smog 6V
Zero Smog 20T

WXR 3 REWORK STATION

Everything – and more.

ROB
THE REWORKER

Rob is the all-rounder in the team.
No matter where you put it, he
always brings full power and
impresses with its flexibility and
simplicity. so one need any
successful team.

OUR WX **TEAM**

WXR 3 REWORK STATION

The WXR 3 Rework station is the perfect solution for all soldering, desoldering and hot-air jobs. The WXR 3 can handle the most demanding tasks but is also ideal for standard jobs. All units can cope with major manufacturing tasks quickly and surely thanks to their straight-forward settings. The station can also be integrated into a traceability process.

ADVANTAGES AT A GLANCE

600 Watts – unique

The WXR 3 is a 3-channel station with a total output of 600 W. The multifunctional WXR 3 is suitable for all applications, and can take all WX Tools.

2 integrated pumps (self-contained)

2 integrated pumps make the system independent of a separate compressed air supply. A high-performance pump for vacuum and hot-air, and a separate vacuum pump for pick-up tools.

User-friendliness

The LCD display shows all connected tools. Special functions can easily be set at the press of a button.

WRK reflow kit

For soldering and desoldering of large SMT components up to 30 x 30 mm.

WVP vacuum pipette

Move components simply and safely. Housing is antistatic.

Automatic / intelligent power management

The rework station provides 600 Watts of power. Its intelligent power management function allows the available power to be distributed to the connected tools as required – a total of 600 Watts. High-performance tools can be operated at the same time. 3 channels, 200 Watts each.

WXR 3 Rework station Compatibility

Soldering

WXP 65   Soldering iron
WXP 120 Soldering iron
WXP 200 Soldering iron
WXMP Micro soldering iron
WXMT Micro desoldering iron tweezers
WXMP MS Micro soldering iron
WXMT MS Micro desoldering tweezers

Desoldering

WXDP 120 Desoldering iron
WXDV 120 Desoldering iron

Hot-air

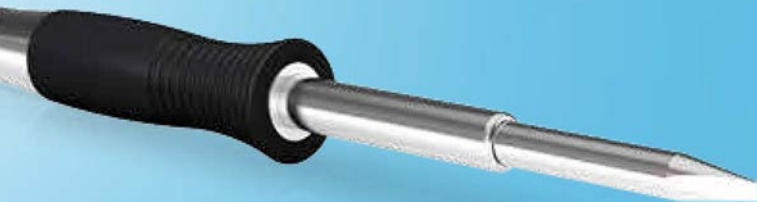WXHAP 200 Hot-air soldering pencil

Accessories

WHP 1000 Pre-heating plate
WHP 3000 Pre-heating plate
WXHP 120 Pre-heating plate
WXSB 200 Solder bath
WRK Reflow set
WVP Vacuum pipette

Solder fume extractors

Zero Smog 4V
Zero Smog 6V
Zero Smog 20T

TRACEABILITY

Traceable Process Control.

The following workflow diagram depicts a serial number with bar code integrated PCB production using the Weller WX station. The workflow includes the interactivity of the operator and the dialog of the Traceability System with the WX-Station.

TRACEABILITY WORKFLOW

CUSTOMER

TRACEABILITY SYSTEM

ERP   MES   CONTROL SYSTEM

3b   4a   6a

IN   1   2

XML
Unit Data

WELLER

3b   4a   6a
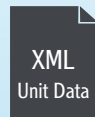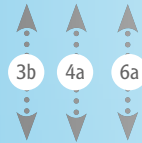
**TRACEABILITY INTERFACE
RS 232, USB**

380 °C

Weller

4b

Weller WXP 120
24V/120W

EQUIPMENT

12

TRACEability Weller® *qualified*

1. **Begin processing of product: Scan PCB or product to be soldered.**

2. **Transmission of data to the Traceability System.**

3.a. **Prepare WX station: the Traceability System delivers process parameter selection data.**

3.b. **Parameterization of the WX station Process parameter lock out: Auto tool temperature set and lock out.**

4.a. **Optional Control: Process control: Error or O.K.**

4.b. **Visual process control via Weller LED ring light on the iron.**

5. **Begin soldering of product with WX station (Equipment).**

6.a. **Monitor during soldering process: Success control.**

6.b. **unitData: Transmission of soldering process data. (XML-File).**

OUT

unit Data

WX TOOL SELECTION

		Tools
	Page 23	**WXP 65 | 65 W Soldering iron |T005 29 212 99 (Set)**
	Page 25	**WXP 120 | 120 W Soldering iron |T005 29 202 99 (Set)**
	Page 27	**WXP 200 | 200 W Soldering iron |T005 29 206 99 (Set)**
	Page 20	**WXMP | 40 W (55 W mit RT 11) Micro soldering iron T005 29 204 99 (Set)**
	Page 22	**WXMT | 2 x 40 W Micro desoldering tweezers T005 13 178 99 (Set)**
	Page 27	**WXDP 120 | 120 W Desoldering iron |T005 13 202 99 (Set)**
	Page 28	**WXDV 120 | 120 W Desoldering iron |T005 13 205 99 (Set)**
	Page 29	**WXHAP 200 | 200 W Hot-air iron |T005 27 120 99 (Set)**
	Seite 11	**WRK | Reflowset |T005 15 155 99**
	Page 11	**WVP |Vacuum pick-Up |T005 29 184 99**
	Page 31	**WHP 1000 | 1000 W Preheating plate |T005 33 648 99**
	Page 31	**WHP 3000 | 600 W Infrared preheating plate T005 33 386 99**
	Page 31	**WHP 3000 | 1200 W Infrared preheating plate T005 33 646 99**
	Page 32	**WXHP 120 | 120 W Preheating plate |T005 27 029 99**
	Page 32	**WXSB 200 | 200 W Soldering bath |T005 27 043 99**
	Page 31	**Zero Smog 4V | Mobile fume extraction unit for up to 4 workplaces |T005 36 606 99**
	Page 31	**Zero Smog 6V | Mobile fume extraction unit for up to 6 workplaces |T005 36 666 99**
	Page 31	**Zero Smog 20T | Mobile fume extraction unit for up to 20 FE-Soldering irons |T005 36 706 99**

OUR WX **TEAM**

AN OVERVIEW OF THE ALLOCATION OF **WX TOOLS**

WX 1 T005 34 176 99 200 W (255 W)	WX 2 T005 34 206 99 200 W (255 W)	WXD 2 T005 34 266 99 200 W (255 W)	WXA 2 T005 34 256 99 200 W (255 W)	WXR 3 T00 5 35 006 99 420 W (600 W)
Soldering power unit with 1 channel	Soldering power unit with 2 channels	Desoldering power unit with 2 channels	Hot-air power unit with 2 channels	Rework power unit with 3 channels
⊕	⊕	⊕	⊕	⊕
⊕	⊕	⊕	⊕	⊕
⊕	⊕	⊕	⊕	⊕
⊕	⊕	⊕	⊕	⊕
⊕	⊕	⊕	⊕	⊕
⊖	⊖	⊕	⊖	⊕
⊖	⊖	⊕	⊖	⊕
⊖	⊖	⊖	⊕	⊕
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⊕	⊕	⊕	⊕	⊕
⊕	⊕	⊕	⊕	⊕
⊕	⊕	⊕	⊕	⊕

WX COMPATIBLE TOOLS

WXP 65, 65 W
Small fast soldering iron with 65 watts. Qualified for fine solder jobs with high heating deman.
Power response heating element technology.

WXP 120, 120 W
Allrounder with 120 watts. For soldering applications from small to large components with
high temperature demand.
Power response heating element technology.

WXP 200, 200 W
High power soldering iron. Ideal for applications with a high temperature demand,
e.g. LED backpanels or HF shieldings.
Power response heating element technology.

WXMP, 40 W
Fine sline soldering iron. Ideal for microscop work. High performance by integrated
activ soldering tip.
Active tip heating element technology.

WXMT, 2 x 40 W
Slim tweezers. Ideal for soldering and desoldering of very small SMD componets.
Active tip heating element technology.

WXDP 120, 120 W
High Power desoldering iron. Heat-up time 35 sec. only. It makes the most difficult desoldering
challenge easy. Integrated solder collector — for horizontal handling.

WXDV 120, 120 W
High Power desoldering iron. Heat-up time 35 sec. only. It makes the most difficult desoldering
challenge easy. Integrated solder collector — for vertical handling.

WXHAP 200, 200 W
Hot-air iron for soldering SMD devices. The integrated ion trap allows an ionic free air flow.

WHP 1000, 1000 W

Preheating plate, heating surface 220 x 150 mm.

WHP 3000, 600 W

Infrared preheating plate, heating surface 190 x 120 mm.

WHP 3000, 1200 W

Infrared preheating plate, heating surface 245 x 190 mm.

WXHP 120, 120 W

Preheating plate, 120 W with 30 % more heat output, for multilayer applications and high mass circuit boards, heating surface 80 x 50 mm.

WXSB 200, 200 W

Soldering bath for preparing of strands.

Zero Smog 4V

Mobile fume extraction unit for up to 4 work places.

Zero Smog 6V

Mobile fume extraction unit for up to 6 work places.

Zero Smog 20T

Mobile fume extracrion unit for tip extraction for up to 20 work places.

Overview WX Sets

WXR Rework stations

WXR 3030 Set

Power Response

WXR 3 Power unit with WXHAP 200 Hot-air iron
(200 W / 24 V), WXDP 120 Desoldering iron for
horizontal use (120 W / 24 V), WXP 65 Soldering iron
(65 W / 24 V), WVP Vacuum Pick-Up, PDN Pliers
Desoldering Nozzle, WDH 30, WDH 70, WDH 10 Safety rests

Order no.
T005 35 016 99

WXR 3031 Set

Power Response

WXR 3 Power unit with WXHAP 200 Hot-air iron
(200 W / 24 V), WXDP 120 Desoldering iron
(120 W / 24 V), WXP 120 Soldering iron (120 W / 24 V),
WVP Vacuum Pick-Up, PDN Pliers Desoldering Nozzle,
WDH 30, WDH 70, WDH 10 Safety rests

Order no.
T005 35 026 99

WXR 3032 Set

Power Response

WXR 3 Power unit with WXHAP 200 Hot-air iron
(200 W / 24 V), WXDV 120 Desoldering iron for
vertical use (120 W / 24 V), WXP 65 Soldering iron
(65 W / 24 V), WVP Vacuum Pick-Up, PDN Pliers
Desoldering Nozzle, WDH 30, WDH 70, WDH 10 Safety rests

Order no.
T005 35 036 99

WXD Desoldering stations

WXD 2010 Set

WXD 2 Power unit, WXDP 120 High-Power Desoldering
iron (120 W / 24 V), WDH 70 Safety rest and PDN
Pliers Desoldering Nozzle

Order no.
T005 34 286 99
T005 34 283 99 (UK)

WXD 2020 Set

Power Response

WXD 2 Power unit, WXDP 120 High-Power Desoldering iron
(120 W / 24 V) and WDH 70 Safety rest, WXP 120 Soldering
iron with WDH 10 Safety rest and PDN Pliers Desoldering Nozzle

Order no.
T005 34 296 99
T005 34 293 99 (UK)

Weller®

☸ WXA Hot-air station

WXA 2010 Set

WXA 2 Hot-air power unit, WXHAP 200 (200 W / 24 V) Hot-air iron and WDH 30 Safety rest

Order no.
T005 34 306 99
T005 34 303 99 (UK)

⬤ WX Soldering stations

WX 1010 Set

WX 1 Power unit with WXP 120 Soldering iron (120 W / 24 V) and WDH 10 Safety rest

Power Response
Order no.
T005 34 186 99
T005 34 183 99 (UK)

WX 1011 Set

WX 1 Power unit with WXMP Soldering iron (55 W / 12 V) and WDH 51 Safety rest

Active Tip
Order no.
T005 34 196 99
T005 34 193 99 (UK)

WX 1012 Set

WX 1 Power unit with WXP 65 Soldering iron (65 W / 24 V) and WDH 10 Safety rest

Power Response
Order no.
T005 34 276 99
T005 34 273 99 (UK)

WX 2020 Set

WX 2 Power unit with 2 x WXP 120 Soldering irons (120 W / 24 V) and 2 WDH 10 Safety rests

Power Response
Order no.
T005 34 216 99
T005 34 213 99 (UK)

WX 2021 Set

WX 2 Power unit with WXMP Micro soldering iron (55 W / 12 V) and WDH 51 Safety rests, WXMT Micro desoldering tweezers (2 x 40 W / 12 V) and WDH 60 Safety rest

Active Tip

Order no.
T005 34 226 99
T005 34 223 99 (UK)

No soldering tip calibration required.

WX compatible

- Fast and easy tip change
- Exceptionally short heat up time
- Energy saving with standby function
- Excellent response time

WXMP Micro soldering iron set with WDH 51 Safety rest

Ideal for delicate and temperature sensitive applications and for use under a microscope; uses ultra fine tips with fastest heat response and best temperature-control; cartridge tips. 40 W, 12 V (55 W with RT 11) | Max. temperature 450°C | Order no. T005 29 204 99

Chisel
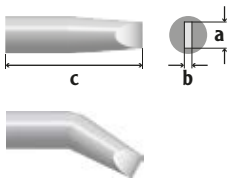
RT	a mm	b mm	Order no.
RT 1SC	0.4	0.15	T005 44 612 99
RT 1SCNW*	0.3	0.1	T005 44 626 99
RT 3	1.3	0.4	T005 44 603 99
RT 4	1.5	0.4	T005 44 604 99
RT 8	2.2	0.4	T005 44 608 99
RT 9	0.8	0.4	T005 44 609 99
RT 11	3.6	0.9	T005 44 611 99
RT 5 30°	0.8	0.4	T005 44 605 99

RT MS	a mm	b mm	Order no.
RT 1SCMS	0.4	0.15	T005 44 615 99
RT 1SCNWMS*	0.3	0.1	T005 44 626 71
RT 3MS	1.3	0.4	T005 44 616 99
RT 4MS	1.5	0.4	T005 44 618 99
RT 8MS	2.2	0.4	T005 44 622 99
RT 9MS	0.8	0.4	T005 44 623 99
RT 11MS	3.6	0.9	T005 44 631 99
RT 5MS 30°	0.8	0.4	T005 44 619 99
RT 3XMS 30°	1.3	0.5	T005 44 603 73

Sloped

Type	a mm	Order no.
RT 6 45°	1.2	T005 44 606 99
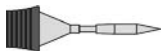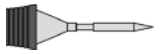
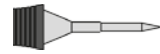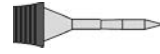| Type	a mm	Order no.
RT 6MS 45°	1.2	T005 44 620 99
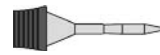
* Unwettable

MS tips: separately grounded

Conical

Type	Ø a mm	Order no.
RT 1	0.2	T005 44 601 99
RT 1NW*	0.1	T005 44 625 99
RT 2	0.8	T005 44 602 99

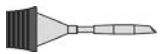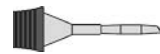| Type	Ø a mm	Order no.
RT 1MS	0.2	T005 44 614 99
RT 1NWMS*	0.1	T005 44 625 71
RT 2MS	0.8	T005 44 617 99
RT 12MS 25°	0.5	T005 44 632 99
RT 13MS 30°	0.4	T005 44 633 99

Gull wing
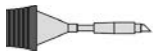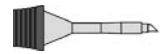
Type	a mm	b mm	Order no.
RT 10GW	1.2	2.0	T005 44 610 99

Type	Ø a mm	b mm	Order no.
RT 10GWMS	1.2	2.0	T005 44 624 99

Knife

Type	Ø a mm	Order no.
RT 7 45°	2.2	T005 44 607 99

Type	Ø a mm	Order no.
RT 7MS 45°	2.2	T005 44 621 99

MS tips: separately grounded

Measuring tip

Type	Order no.
RT Measuring tip	T005 44 613 99

MS Handles and MS Soldering tips have to be used together.
MS Soldering tips are for use with MS Handles only (WXMP MS / WMRP MS).
MS Tips are separately grounded.

MS Handles for RT MS Soldering tips:
T005 29 213 99   WXMP MS Soldering iron handle packed
T005 29 217 99   WXMP MS Soldering iron with WDH 51 Safety rest
T005 29 192 99   WMRP MS Soldering iron handle packed

- Fast and easy tip change
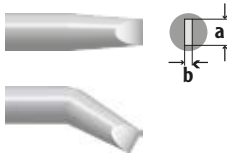- Exceptionally short heat up time
- Energy saving with standby function
- Excellent response time

WXMT Micro desoldering tweezers set with tweezers tips RTW 2 and WDH 60 Safety rest

Slim tweezers. Ideal for soldering and desoldering very small SMD components.
2 x 40 W | 12 V | Max. temperature 450°C | Order no. T005 29 204 99

Chisel

RTW	Ø a mm	b mm	Order no.
RTW 2 45°	0.7	0.4	T005 44 652 99
RTW 3 45°	3.0	1.0	T005 44 653 99
RTW 4 45°	6.0	1.0	T005 44 654 99
RTW 9	3.0	1.0	T005 44 666 99
RTW 11	6.0	1.0	T005 44 667 99
RTW 10	10.0	1.0	T005 44 668 99
RTW 8	1.3	0.4	T005 44 664 99

RTW MS	Ø a mm	b mm	Order no.
RTW 2MS45°	0.7	0.4	T005 44 657 99
RTW 3MS 45°	3.0	1.0	T005 44 658 99
RTW 4MS 45°	6.0	1.0	T005 44 659 99
RTW 9MS	3.0	1.0	T005 44 669 99
RTW 11MS	6.0	1.0	T005 44 670 99
RTW 10MS	10.0	1.0	T005 44 671 99
RTW 8MS	1.3	0.4	T005 44 665 99
RTW 7NWMS*	0.8	0.4	T005 44 663 71

Conical

Type	Ø a mm	Order no.
RTW 1 45°	0.4	T005 44 651 99
RTW 6NW* 45°	0.2	T005 44 656 99

Type	Ø a mm	Order no.
RTW 1MS 45°	0.4	T005 44 655 99
RTW 6NWMS* 45°	0.2	T005 44 656 71

* Unwettable

MS tips: separately grounded

MS Handles and MS Soldering tips have to be used together.
MS Soldering tips are for use with MS Handles only (WXMP MS / WMRP MS).
MS Tips are separately grounded.

MS Handles for RT MS Soldering tips:
T005 13 179 99   WXMP MS Soldering iron handle packed
T005 13 203 99   WXMP MS Soldering iron with WDH 60 Safety rest
T005 13 175 99   WMRP MS Soldering iron handle packed

- Low price interchangeable soldering tips
- Maximum heat transfer
- Improved heater sensor positioning
- Short recovery time

WX compatible

WXP 65 Soldering iron set with WDH 10 Safety rest

Small fast soldering iron. Suitable for fine soldering jobs with a high heat demand.
65 W | 24 V | Max. temperature 450°C | Order no. T005 29 212 99

Chisel
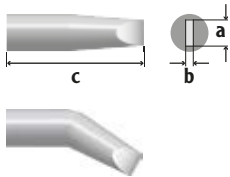
XNT	Ø a mm	b mm	c mm	Order no.
XNT 1SCNW*	0.3	0.1	27.0	T005 44 881 99 / T005 44 881 10
XNT 1SC	0.4	0.15	27.0	T005 44 862 99 / T005 44 862 10
XNT H	0.8	0.4	28.0	T005 44 859 99 / T005 44 859 10
XNT K	1.2	0.4	28.0	T005 44 860 99 / T005 44 860 10
XNT A	1.6	0.4	28.0	T005 44 851 99 / T005 44 851 10
XNT 6	1.6	0.4	29.5	T005 44 856 99 / T005 44 856 10
XNT B	2.4	0.8	27.0	T005 44 857 99 / T005 44 857 10

Type	Ø a mm	b mm	c mm	Order no.
XNT C	3.2	0.8	27.0	T005 44 858 99 / T005 44 858 10
XNT D	4.0	0.8	28.0	T005 44 853 99 / T005 44 853 10
XNT HX 45°	0.8	0.4	36.5	T005 44 873 99 / T005 44 873 10
XNT 4X 45°	1.2	0.4	34.6	T005 44 874 99 / T005 44 874 10
XNT AX	1.6	0.8	28.0	T005 44 864 99 / T005 44 864 10
XNT BX	2.4	0.8	36.5	T005 44 882 99 / T005 44 882 10
XNT MX	3.2	0.8	37.5	T005 44 883 99 / T005 44 883 10

Sloped

Type	a mm	Order no.
XNT 4	1.2	T005 44 855 99 / T005 44 855 10
XNT AA 45°	1.6	T005 44 884 99 / T005 44 884 10
XNT BB 45°	2.4	T005 44 885 99 / T005 44 885 10

Type	a mm	Order no.
XNT CC 45°	3.2	T005 44 886 99 / T005 44 886 10
XNT F 45°	1.2	T005 44 887 99 / T005 44 887 10

Conical

Type	Ø a mm	c mm	Order no.
XNT 1	0.5	27.0	T005 44 850 99 / T005 44 850 10

Type	Ø a mm	c mm	Order no.
XNT S	0.4	37.5	T005 44 868 99 / T005 44 868 10

Knife

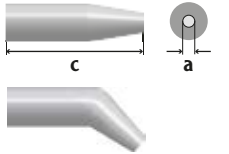| Type	Ø a mm	c mm	Order no.
XNT KN	2.0	33.0	T005 44 863 99 / T005 44 863 10

* Unwettable

Packaging unit
- T005 XX XXX 99 = 1 piece
- T005 XX XXX 10 = 10 piece
- T005 XX XXX 11 = 100 piece

Gull wing

XNT	b mm	c mm	Order no.
XNT GW 1	2.0	33.0	T005 44 854 99 T005 44 854 10
XNT GW 2	1.5	27.5	T005 44 880 99 T005 44 880 10

Round

Type	Ø a mm	c mm	Order no.
XNT 1S	0.2	28.5	T005 44 852 99 T005 44 852 10
XNT 1LX	0.2		T005 44 872 99 T005 44 872 10

Type	Ø a mm	c mm	Order no.
XNT 1X	0.4	28.0	T005 44 865 99 T005 44 865 10
XNT 1SLX 45°	0.4	39.5	T005 44 875 99 T005 44 875 10

SMT

Type	Ø a mm	b mm	c mm	Order no.
XNT SMT 01	10.4	0.6	7.1	T005 44 876 99
XNT SMT 02	16.8	0.6	7.1	T005 44 877 99

Type	Ø a mm	b mm	c mm	Order no.
XNT SMT 03	20.8	0.6	7.1	T005 44 878 99

Highspeed

HS

Type	Ø a mm	b mm	c mm	Order no.
XNT 1 HS	0.5		27.0	T005 44 888 99 T005 44 888 10
XNT 1S HS	0.2		28.5	T005 44 889 99 T005 44 889 10
XNT 4 HS	1.2			T005 44 890 99 T005 44 890 10
XNT 6 HS	1.6	0,.4	29.5	T005 44 891 99 T005 44 891 10
XNT H HS	0.8	0.4	28.0	T005 44 892 99 T005 44 892 10
XNT K HS	1.2	0.4	28.0	T005 44 893 99 T005 44 893 10
XNT AX HS	1.6	0.8	28.0	T005 44 894 99 T005 44 894 10
XNT 1X HS	0.4		28.0	T005 44 895 99 T005 44 895 10

Type	Ø a mm	b mm	c mm	Order no.
XNT S HS	0.4			T005 44 896 99 T005 44 896 10
XNT AS HS	1.6			T005 44 897 99 T005 44 897 10
XNT 1L HS	0.2			T005 44 898 99 T005 44 898 10
XNT 1LX HS	0.2			T005 44 8 99 99 T005 44 8 99 10
XNT HX HS 30°	0.8	0.4	36.5	T005 44 900 99 T005 44 900 10
XNT 4X HS 45°	1.2	0.4	34.6	T005 44 901 99 T005 44 901 10
XNT 1SLX HS 45°	0.4		39.5	T005 44 902 99 T005 44 902 10
XNT F HS45°	1.2			T005 44 903 99 T005 44 903 10

Accessories

Type	Ø a mm	c mm	Order no.
Measuring tip	0.6	31.3	T005 44 861 99
XNT Screw M4		26.0	T005 44 879 99

| Type	Order no.
Barrel	T005 87 657 58
Barrel for bent tips	T005 87 657 67

WX compatible

- ■ Low price interchangeable soldering tips
- ■ Maximum heat transfer
- ■ Improved heater sensor positioning
- ■ Short recovery time

WXP 120 Soldering iron set with WDH 10 Safety rest

Excellent all-round 120 Watts ion. Suitable for use on small and large components within applications with a higher heat demand. 120 W | 24 V | Max. temperature 450°C | Order no. T005 29 202 99

Chisel
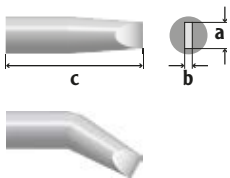
XT	Ø a mm	b mm	c mm	Order no.
XT H	0.8	0.4	36.5	T005 44 713 99 T005 44 713 10
XT A	1.6	0.7	36.5	T005 44 703 99 T005 44 703 10
XT AL	1.6	1.0	39.5	T005 44 701 99 T005 44 701 10
XT ASL	1.6	0.45	36.5	T005 44 740 99 T005 44 740 10
XT M	3.2	1.2	39.5	T005 44 702 99 T005 44 702 10
XT B	2,.4	0.8	36.0	T005 44 704 99 T005 44 704 10
XT BSL	2.4	0.45	36.0	T005 44 741 99 T005 44 741 10
XT B SL	2.5	0.8	36.3	T005 44 738 99 T005 44 738 10
XT C	3.2	0.8	36.0	T005 44 705 99 T005 44 705 10

Type	Ø a mm	b mm	c mm	Order no.
XT D	4.6	0.8	34.5	T005 44 706 99 T005 44 706 10
XT CSL	3.2	0.45	36.0	T005 44 742 99 T005 44 742 10
XT E	5.9	1.2	34.5	T005 44 707 99 T005 44 707 10
XT DL	4.6	0.8	39.5	T005 44 736 99
XT MX	3.2	0.8	53.5	T005 44 745 99 T005 44 745 10
XT HX	0.8	0.4	51.5	T005 44 737 99
XT AX 30°	1.6	0,.7	51.5	T005 44 743 99 T005 44 743 10
XT BX 30°	2.4	0.8	51.5	T005 44 744 99 T005 44 744 10

Round
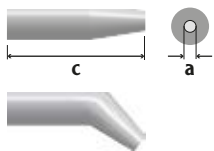
Type	Ø a mm	c mm	Order no.
XT BS	2.4	36.5	T005 44 715 99 T005 44 715 10
XT CS	3.2	36.5	T005 44 716 99 T005 44 716 10

Type	Ø a mm	c mm	Order no.
XT DS	5.0	34.5	T005 44 717 99 T005 44 717 10

Sloped
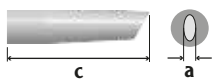
Type	a mm	c mm	Order no.
XT F 30°	1.2	36.5	T005 44 718 99 T005 44 718 10
XT AA 60°	1.6	36.5	T005 44 708 99 T005 44 708 10
XT BB 45°	2.4	36.5	T005 44 709 99 T005 44 709 10

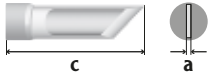| Type	a mm	c mm	Order no.
XT CC 45°	3.2	36.5	T005 44 710 99 T005 44 710 10
XT DDH 45°	4.0	40.5	T005 44 730 99 T005 44 730 10
XT AA 60 °	1.6	36.5	T005 44 708 99 T005 44 708 10

Gull wing
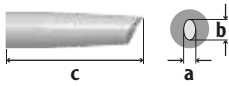
XT	Ø a mm	b mm	c mm	Order no.
XT GW1	2.3	3.2	36.5	T005 44 712 99 T005 44 712 10
XT GW2	3.5	4.8	36.5	T005 44 735 99

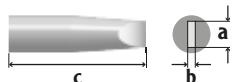| Type	Ø a mm	b mm	c mm	Order no.
XT GW3	0.8	0.9	41.5	T005 44 739 99 T005 44 739 10

Knife

Type	Ø a mm	c mm	Order no.
XT KN 60 °	2.0	45.0	T005 44 711 99 T005 44 711 10

Conical
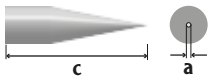
Type	Ø a mm	c mm	Order no.
XT 0	1.0	36.5	T005 44 714 99 T005 44 714 10

Soldering head

Type	a mm	b mm	Order no.
XT Soldering head	10.0	4.0	T005 44 731 99
Spare soldering head	10.0	4.0	T005 44 731 90
XT Soldering head	20.0	4.0	T005 44 732 99
Spare soldering head	20.0	4.0	T005 44 732 90
XT Soldering head	33.0	4.0	T005 44 733 99
Spare soldering head	33.0	4.0	T005 44 733 90

Accessories

Type	a mm	c mm	Order no.
XT Measuring tip	0.5	40.0	T005 44 722 99
XT Adapter M4 Galvanised ferrous coating		36.0	T005 44 719 99
XT Adapter M5 Galvanised ferrous coating		36.0	T005 44 720 99

Type		Order no.
Barrel	WXP 120 WP 120	T005 87 657 11 T005 87 637 09
Barrel for bent tips	WXP 120 WP 120	T005 87 657 66 T005 87 658 02

Packaging unit
- T005 XX XXX 99 = 1 piece
- T005 XX XXX 10 = 10 piece
- T005 XX XXX 11 = 100 piece

Weller®

- Low price interchangeable soldering tips
- Maximum heat transfer
- Improved heater sensor positioning
- Short recovery time

WXP 200 Soldering iron set with WDH 31 Safety rest

200 Watts high Power Soldering iron. Ideal for those applications with the highest heat demands e.g, LED backpanels or HF shieldings.
200 W | 24 V | Max. temperature 450°C | Order no. T005 29 206 99

Chisel

XHT	Ø a mm	b mm	c mm	Order no.
XHT C	3.2	1.2	48.0	T005 44 804 99
XHT D	5.0	1.2	48.0	T005 44 801 99

Type	Ø a mm	b mm	c mm	Order no.
XHT E	7.6	1.5	48.0	T005 44 802 99
XHT F	9.3	2.0	48.0	T005 44 805 99

Accessories

Type	a mm	b mm	c mm	Order no.
XHT Measuring Tip	1.25	6.0	55.0	T005 44 803 99
Barrel				T005 87 637 25

WXD and WXR Compatible tools

- Intelligent, programmable desoldering iron
- For use horizontally
- 35 sec. heat up time and set-back-function
- Push and Pull Technology [1]

WXDP 120 Desoldering iron set 120 W, with excenter fixture, with WDH 70 Safety rest and PDN Plier Desoldering Nozzle

The fastest desoldering iron, reaching operating temperature in 35 seconds, it makes the most difficult desoldering challenge easy. Integrated solder collector – for horizontal handling.
120 W | 24 V | Max. temperature 450°C | Order no. T005 13 202 99

[1] **Push and Pull Technology: easy change of the tin collector by pliers for desoldering nozzle PDN**

- ■ Intelligent, programmable desoldering iron
- ■ For use vertically
- ■ 35 sec. heat up time and set-back-function
- ■ Push and Pull Technology [1]

WXDV 120 Desoldering iron set 120 W, with excenter fixture, with WDH 40 Safety rest and PDN Pliers Desoldering Nozzle

The fastest inline desoldering iron, reaching operating temperature in 35 seconds, it makes the most difficult desoldering challenge easy. Integrated solder collector – for vertical handling.
120 W | 24 V | Max. temperature 450°C | Order no. T005 13 205 99

[1] Push and Pull Technology: easy change of the tin collector by plier for desoldering nozzle PDN

XDSL Series desoldering nozzles

High quality high-grade steel

Desoldering nozzles for WXDV 120 and WXDP 120 desoldering irons
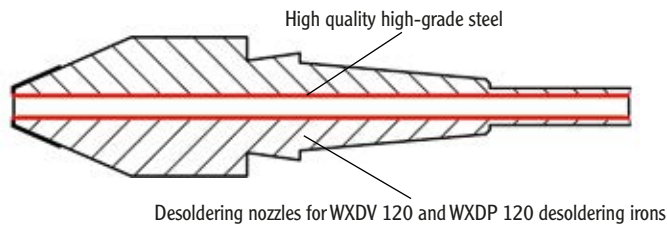
- ■ Longlife nozzles with extended lifetime
- ■ Saving on cost of ownership of up to 27 %
- ■ For WXDV 120 and WXDP 120 Desoldering irons

The new XDSL series desoldering nozzles have an integrated steel tube which reduces cost of ownership. A high grade stainless steel tube is located inside the nozzle to prevent the erosion of the nozzle's copper body by molten solder and flux. This system results in a longer lifetime than with standard nozzles.

Desoldering nozzles XDSL Series

Type		Ø Inner mm	Ø Outer mm	Nozzle length mm	Order no.
XDSL 1		1.4	2.5	10.5	T005 13 259 99 T005 13 259 10
XDSL 2		3.0	5.3	10.5	T005 13 260 99 T005 13 260 10
XDSL 3		1.0	2.3	10.5	T005 13 261 99 T005 13 261 10
XDSL 4		1.2	2.5	10.5	T005 13 262 99 T005 13 262 10
XDSL 5		1.8	3.3	10.5	T005 13 263 99 T005 13 263 10
XDSL 6		0.7	1.9	16.5	T005 13 264 99 T005 13 264 10
XDSL 7		1.2	2.7	16.5	T005 13 265 99 T005 13 265 10
XDSL 8		1.5	2.9	10.5	T005 13 266 99 T005 13 266 10

Desoldering nozzles XDS Series

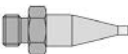| Type		Ø Inner mm	Ø Outer mm	Nozzle length mm	Order no.
XDS 1		1.4	2.5	10.5	T005 13 250 99 T005 13 250 10
XDS 2		3.0	5.3	10.5	T005 13 251 99 T005 13 251 10
XDS 3		1.0	2.3	10.5	T005 13 252 99 T005 13 252 10
XDS 4		1.2	2.5	10.5	T005 13 253 99 T005 13 253 10
XDS 5		1.8	3.3	10.5	T005 13 254 99 T005 13 254 10
XDS 6		0.7	1.9	16.5	T005 13 255 99 T005 13 255 10
XDS 7		1.2	2.7	16.5	T005 13 256 99 T005 13 256 10
XDS 8		1.5	2.9	10.5	T005 13 257 99 T005 13 257 10
XDS 9		0.55	2.2	11.0	T005 13 258 99

WX compatible

■ Extensive range of nozzles to meet every application need
■ Powerful 200 Watts design for comfortable and precise operation
■ Ideal for working on surface mounted components and suitable for EPA areas.
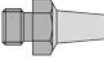
WXHAP 200 Hot-air iron set with WDH 30 Safety rest

Hot-air iron for soldering SMD devices. The integrated ion trap allows an ionic free air flow.
200 W | 24 V | Max. temperature 550°C | Order no. T005 27 120 99
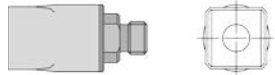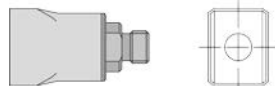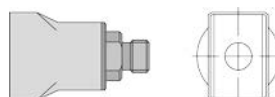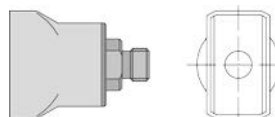
Hot-air nozzles WXHAP 200 Flat nozzle (Typ F)

Type		Description	Width A mm	Width B mm	Order no.
		Adapter M6 for HAP 200			T005 87 617 28
F02		Flat nozzle	8.0	1.5	T005 87 277 74
F04		Flat nozzle	10.5	1.5	T005 87 277 73
F06		Flat nozzle	12.0	1.5	T005 87 277 72
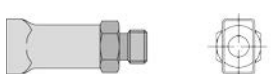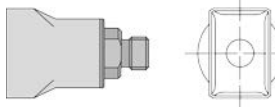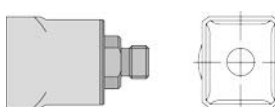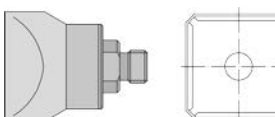
Hot-air nozzles WXHAP 200 Round nozzle (Typ R)

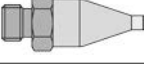| Type			Description	Ø mm	Distance C mm	Length C mm	Order no.
R02			Round nozzle	0.8			T005 87 278 23
R04			Round nozzle	1.2			T005 87 278 21
R06			Round nozzle	3.0			T005 87 278 22
R10			Round nozzle long	2.0		50	T005 87 277 87
R08			Round nozzle long bent	2.0		50	T005 87 277 86
FD2			Dual nozzle	1.5	8		T005 87 277 76
FD4			Dual nozzle	1.5	10		T005 87 277 75

**Hot-air nozzle WXHAP 200
2 sides heated (type D,
length X = heated side)**

Type		Description	Length X mm	Width Y mm	Order no.
D04		**Adapter M6 for HAP 200**	**10.5**	**10.5**	**T005 87 277 79**
D06		**Flat nozzle**	**13.0**	**10.0**	**T005 87 277 82**
D08		**Flat nozzle**	**15.0**	**10.0**	**T005 87 277 81**
D10		**Flat nozzle**	**18.0**	**10.0**	**T005 87 277 84**

**Hot-air nozzle WXHAP 200
All 4 sides heated (type Q)**

Type		Description	Length X mm	Width Y mm	Order no.
Q02		**Hot-air nozzle 4 sides heated**	**6.0**	**6.5**	**T005 87 277 77**
Q04		**Hot-air nozzle 4 sides heated**	**6.0**	**9.0**	**T005 87 277 78**
Q06		**Hot-air nozzle 4 sides heated with pre-heating plate**	**15.0**	**10.0**	**T005 87 277 80**
Q08		**Hot-air nozzle 4 sides heated with pre-heating plate**	**12.5**	**15.0**	**T005 87 277 83**
SK709		**Hot-air nozzle 4 sides heated with pre-heating plate**	**12.0**	**12.0**	**T005 87 278 12**
Q10		**Hot-air nozzle 4 sides heated with pre-heating plate**	**18.0**	**18.0**	**T005 87 277 85**
R01		**Measuring nozzle for calibration**			**T005 87 278 08**

⬆⬆ WX Compatible fume extraction

Zero Smog 4V

**Mobile fume extraction unit for large areas, with built-in turbine
and pressure regulator for constant volume flow.
Up to for 4 work places.**

Order no.
T005 36 606 99

Zero Smog 6V

**Mobile fume extraction for large areas, with a built-in turbine.
Up to for 6 work places.**

Order no.
T005 36 666 99

Zero Smog 20T

**Mobile fume extraction for tip extraction at the soldering tip,
with a built-in turbine.
Up to 20 FE-Soldering irons.**

Order no.
T005 36 706 99

& WX Compatible heating plates

WHP 1000

**Preheating plate 1000 W | 230 V
Heated surface area: 220 x 150 mm**

Order no.
T005 33 648 99

WHP 3000, 600 W

**Infrared preheating plate 600 W | 230 V
With Easy-Fix-circuit board holder
Heated surface area: 120 x 190 mm**

Order no.
T005 33 386 99

WHP 3000, 1200 W

**Infrared preheating plate 1200 W | 230 V
With Easy-Fix-circuit board holder
Heated surface area: 190 x 245 mm**

Order no.
T005 33 646 99

& WX Compatible heating plate

WXHP 120

Preheating plate 120 W | 24 V
Heated surface area: 80 x 50 mm

Order no.
T005 27 029 99

& WX Compatible soldering bath

WXSB 200

Soldering bath 200 W | 24 V
Soldering bath size: 58 x 33 x 19 mm

Order no.
T005 27 043 99

& WX Adapter / Accessories

WX Adapter for PC

Order no.
T005 87 647 11

WX Adapter for Zero Smog

Order no.
T005 87 647 12

WX Connection cable, 2 m

Order no.
T005 87 647 10

WX HUB for control of Zero Smog

Order no.
T005 87 647 26

WFV 60A Automatic butterfly valve

Order no.
T005 87 627 46

Foot switch WXA | WXD | WXR

Order no.
T005 87 647 46

& WX Compatible for use in solder robots

HERX 120 Heating element

Heating element 120 W | for solder robot application with WX 1 / WX 2

Order no.
T005 87 657 40

Cord for HERX 120

Cord for HERX 120 | 1.6 m

Order no.
T005 87 657 15

XTR Soldering tips for HERX 120

Type			Ø Width mm	Ø Thickness mm	Length mm	Order no.
XTR A		⊕	1.6	0.7	36.0	T005 44 723 99
XTR B		⊕	2.4	0.8	35.0	T005 44 724 99
XTR C		⊕	3.2	0.8	35.0	T005 44 725 99
XTR D		⊕	4.6	0.8	34.5	T005 44 726 99
XTR E		⊕	5.9	1.2	34.5	T005 44 727 99
XTR M		⊕	3.2	1.2	39.0	T005 44 728 99

	WX 1 Soldering power unit	WX 2 Soldering power unit
Dimensions L x W x H	170 x 151 x 130 mm (6.69 x 5.94 x 5.12 inch)	
Weight	ca. 3.2 kg	
Mains supply	230 V | 50 Hz	
Power consumption	200 W	200 W (255 W)
Temperature range	Adjustable temperature range 50°C – 550°C (150°F – 999°F) Adjustable temperature range varies among tools	
Temperature accuracy	± 9°C (± 17°F)	
Temperature stability	± 2°C (± 4°F)	
Equipotential bonding	Via 3.5 mm pawl socket on back of device (normal state hard grounded)	
Material Touch Panel	Made of antistatic coated material (glas)	
Air flow rate	–	
Pressure	–	
Bleeder	Soldering tip (tip to ground) equal to IPC-J-001	
USB interface and RS 232 interface	yes	
Pump (Intermittent mode (30/30) s)	–	
Pump	–	
Order no.	T005 34 173 99	T005 34 203 99

WXD 2 Desoldering power unit **WXA 2 Hot-air power unit** **WXR 3 Rework power unit**

WXD 2	WXA 2	WXR 3
170 x 151 x 130 mm (6.69 x 5.94 x 5.12 inch)		273 x 235 x 102 mm (10.75 x 9.25 x 4.02 inch)
ca. 3.8 kg	ca. 3.8 kg	ca. 6.7 kg
230 V | 50 Hz		230 V | 50 Hz
200 W (255 W)		420 W (600 W)
Adjustable temperature range 50°C – 550°C (150°F – 999°F) Adjustable temperature range varies among tools		Adjustable temperature range 100°C – 550°C (200°F – 999°F) Adjustable temperature range varies among tools
± 9°C (± 17°F)	Hot-air iron ± 30°C (± 54°F) soldering iron ± 9°C (± 17°F)	± 9°C (± 17°F) (WXHAP 200 ± 30°C / ±80°F)
± 2°C (± 4°F)		± 2°C (± 4°F)
Via 3.5 mm pawl socket on back of device (normal state hard grounded)		Via 3.5 mm pawl socket on back of device (normal state hard grounded)
Made of antistatic coated material (glas)		–
ca. 35 l / min	ca. 0 – 20 l / min.	–
Inlet pressure 400 – 600 kPA (58 – 87 psi), oil-free, dry compressed air	Inlet pressure, 400 kPa (58 psi), oil-free, dry compressed air or nitrogen (N$_2$)	–
Soldering tip (tip to ground) equal to IPC-J-001		Soldering tip (tip to ground) equal to IPC-J-001
yes		yes
Venturi		Max. vacuum 0.7 bar, delivery rate 18 l / min, max. hot-air 15 l / min
–		Max. vacuum 0.5 bar, max. delivery rate 1.7 l / min
T005 34 263 99	T005 34 256 99	T05 35 006 99