

# Built from our customers best ideas.



**WX**

The new WX soldering stations from Weller.  
A new era in soldering.

**Weller**<sup>®</sup>

# Two stations to launch in a new soldering era.



The WX 1 single-channel soldering station

The name Weller has long stood for innovative solutions when it comes to soldering. A company history full of notable events has achieved two new milestones with the WX 1 and WX 2 soldering stations.

Product highlights, we basically owe thanks to our customers. This is because the WX 1 and WX 2 are packed full of customers' suggestions and ideas compiled by our customer service and our distribution partners from around the world.

So here they are: Visually stunning units which are as much a pleasure to operate as it is to look at. Once you have used the WX 1 and the WX 2 you will never want to be without them.

Behind the impressive designs lies a powerful and easy-to-use soldering device that comes with an antistatic touchscreen, a variety of connectivity options, intelligent soldering tools, and a number of brand new features. Perfect for today's needs when it comes to soldering work on LED backplanes, solar applications, and micro soldering joints.

Join us in welcoming in a new era of soldering with the WX soldering stations from Weller.





The WX 2 two-channel soldering station

# With so many benefits, it's easiest to remember just two things: new and better.

The new WX soldering stations combine elegant design with a solid increase in performance and an intuitive user interface. Below is an overview of the new and improved features:



## 200 | 255 W total power

Supports operation of one 200 W tool or simultaneous operation of two 120 W tools (WX 2 only) | Very fast heat up time



## Easy-to-use display panel

Viewable from all angles | Easy to read thanks to blue LED backlighting



## Intuitive use

Turn-and-click wheel with enter key and finger guide | Six touch keys



## Automatic energy-saving mode

Automatic stand-by mode, no stop-and-go rest required | Visual process control via a blue LED ring light (light is out = Off, light is blinking = Standby or Heating Up, light is on = tip ready for use)





### Minimal training time

Multilingual menu navigation | German, English, French, Italian, Spanish, Portuguese and Mandarin Chinese | More languages available on request



### Robust touchscreen

Patented, capacitive touchscreen made of real glass | Antistatic, chemical resistant and temperature resistant



### Automatic tool recognition

WX tool connection for interference-free, digital data transfer | Soldering bits can be changed quickly thanks to an interlocking ring that can be operated with one hand (Note: To achieve perfect soldering results, we recommend choosing the correct tool rather than just changing the soldering tip)



### Multi-purpose USB port

Quick and localized firmware updates, parameter configuration and logging capabilities via USB-stick | User-friendly PC interface



### Benchtop controller capability

Two connections which can be used for managing fume extraction units, heating plates and programmable logic controller (PLC) | Standard digital and decoupled robot connection | Temperature, speed and status message are shown in the WX display



### Increased work accuracy

Digital sensor in hand piece | Even contact pressure thanks to an optimized, spring-loaded tip barrel (WXP 120)



### Storage medium in hand piece

Save key data on the tool you're using | No adjustments needed to the soldering station

## Technical data

WX 1

WX 2

Figure



Dimensions L x B x H

170 x 151 x 130 mm (6,69 x 5,94 x 5,12 inch)

Weight

around 3,2 kg

Power supply

230V | 50 Hz

Power consumption

200 W

200 W (255 W)

Safety class

I, antistatic casing

Fuse

for over-current release T2A

Temperature range

Adjustable temperature range varies among tools (50°C – 550°C)

Temperature accuracy

± 9 °C (± 17 °F)

Temperature stability

± 2 °C (± 4 °F)

Earth connection

via 3.5 mm switch box on back of device

Casing material

Aluminum bottom with antistatic black (AMS 70002) coating; Antistatic polyamide synthetic casing

Glass control panel

Made of antistatic coated material

Dimensions of control panel

74 x 38 mm

Resolution

255 x 127 (128) dots

Background lighting

4 LEDs

Earth connection

The 3.5 mm switch box offers four different options:

- a) Hard grounded: without plug (original delivery)
- b) Earth connection: with plug, compensating line on center contact
- c) Voltage free: with plug
- d) Soft grounded: with plug and soldered resistor; grounding through the selected resistor

USB port

USB port in front for firmware updates, parameterization and monitoring;  
USB port supports all standard USB flash drive types

Order number

T0053417699

T0053420699












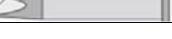

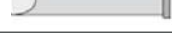

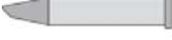
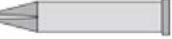







WXP 120 soldering iron with safety rest WDH 10 (Set)

- 120 W | 24 V / max. temperature 450°C
- For soldering small and large components with high heat demands
- XT soldering tip, standard soldering tip XT B

Order number  
T0052920299

**XT soldering tip**

<b>XT A</b> / Chisel tip, Width: 1,6 mm, Thickness: 0,7 mm		Order number T0054470399
<b>XT AA</b> / 60° Soldering tip, Width: Ø 1,6 mm		Order number T0054470899
<b>XT AL</b> / Chisel tip, Width: 1,6 mm, Thickness: 1,0 mm		Order number T0054470199
<b>XT B</b> / Chisel tip, Width: 2,4 mm, Thickness: 0,8 mm		Order number T0054470499
<b>XT BB</b> / 45° Soldering tip, Width: Ø 2,4 mm		Order number T0054470999
<b>XT BS</b> / Round tip, Width: Ø 2,4 mm		Order number T0054471599
<b>XT C</b> / Chisel tip, Width: 3,2 mm, Thickness: 0,8 mm		Order number T0054470599
<b>XT CC</b> / 45° Soldering tip, Width: Ø 3,2 mm		Order number T0054471099
<b>XT CS</b> / Round tip, Width: Ø 3,2 mm		Order number T0054471699
<b>XT D</b> / Chisel tip, Width: 4,6 mm, Thickness: 0,8 mm		Order number T0054470699
<b>XT D45</b> / 45° Solar Soldering tip, Width: 5 mm		Order number T0054472199
<b>XT DS</b> / Round tip, Width: Ø 5,0 mm		Order number T0054471799
<b>XT E</b> / Chisel tip, Width: 5,9 mm, Thickness: 1,2 mm		Order number T0054470799
<b>XT F</b> / 30° Round tip bent, Width: Ø 1,2 mm		Order number T0054471899
<b>XT GW</b> / Soldering tip, Width: 2,3 mm / 3,2 mm		Order number T0054471299
<b>XT H</b> / Chisel tip, Width: Ø 0,8 mm, Thickness: 0,4 mm		Order number T0054471399
<b>XT KN</b> / 60° Soldering tip, Width: Ø 2,0 mm		Order number T0054471199
<b>XT M</b> / Chisel tip, Width: 3,2 mm, Thickness: 1,2 mm		Order number T0054470299
<b>XT O</b> / Round tip, Width: Ø 1,0 mm		Order number T0054471499
<b>XT adapter M4</b>		Order number T0054471999
<b>XT adapter M5</b>		Order number T0054472099
<b>XT Measuring tip</b>		Order number T0054472299













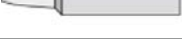


WXP 65 soldering iron safety rest WDH 10 (Set)

- 65 W | 24V / max. temperature 450°C
- Very fast heat up times, suitable for small, extreme precision soldering
- XNT soldering tip, standard soldering tip XNT A

Order number  
T0052921299

**XNT soldering tip**

<b>XNT 1</b> / Soldering tip, Width: $\varnothing$ 0,25 mm		Order number T0054485099
<b>XNT 1S</b> / Soldering tip, Width: $\varnothing$ 0,20 mm		Order number T0054485299
<b>XNT 1SC</b> / Soldering tip, Width: 0,40x0,15 mm		Order number T0054486299
<b>XNT 4</b> / Soldering tip, Width: $\varnothing$ 1,20 mm		Order number T0054485599
<b>XNT 6</b> / Soldering tip, Width: 1,60x0,4 mm		Order number T0054485699
<b>XNT A</b> / Soldering tip, Width: 1,60x0,4 mm		Order number T0054485199
<b>XNT B</b> / Soldering tip, Width: 2,40x0,8 mm		Order number T0054485799
<b>XNT C</b> / Soldering tip, Width: 3,20x0,8 mm		Order number T0054485899
<b>XNT D</b> / Soldering tip, Width: 4,0x0,8 mm		Order number T0054485399
<b>XNT GW</b> / Gullwing		Order number T0054485499
<b>XNT H</b> / Soldering tip, Width: 0,8x0,4 mm		Order number T0054485999
<b>XNT K</b> / Soldering tip, Width: 1,2x0,4 mm		Order number T0054486099
<b>XNT KN</b> / Soldering tip, Width: 2,0		Order number T0054486399


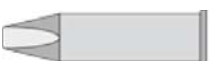
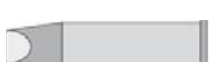



WXP 200 soldering iron with safety rest WDH 31 (Set)

- 200 W | 24V / max. temperature 450°C (optional 550°C)
- Ideal for soldering that requires high heat e.g. for LED back planes
- XHT soldering tip, standard soldering tip XHT D

Order number  
T0052920699

**XHT soldering tip**

<b>XHT C</b> / Chisel tip, Width 3,2 mm, Thickness: 1,2 mm		Order number T0054480499
<b>XHT D</b> / Chisel tip, Width: 5,0 mm, Thickness: 1,2 mm		Order number T0054480199
<b>XHT E</b> / Chisel tip, Width: 7,6 mm, Thickness: 1,5 mm		Order number T0054480299
<b>XHT</b> / Measuring tip		Order number T0054480399





WXMP micro soldering iron with safety rest WDH 50 (Set)

- 40 W | 12 V / max. temperature 450°C
- Extremely powerful due to an integrated active soldering tip ideal for working under a microscope
- RT soldering tip

Order number  
T0052920499

**RT soldering tip**

RT 1 / Needel tip Ø 2,0 mm, 40 W



Order number  
T0054460199

RT 1NW / Needle tip Ø 1,0 mm, chrome  
40 W not wettable for component 0201/0204



Order number  
T0054462599

RT 1SC / Chisel tip 0,4 x 0,15 mm, 40 W



Order number  
T0054461299

RT 1SCNW / Meißelform 3,0 x 1,0 mm, chrome,  
40 W not wettable for component 0201/0204



Order number  
T0054462699

RT 2 / Point tip Ø 0,8 mm, 40 W



Order number  
T0054460299

RT 3 / Chisel tip 1,3 x 0,4 mm, 40 W



Order number  
T0054460399

RT 4 / Chisel tip 1,5 x 0,4 mm, 40 W



Order number  
T0054460499

RT 5 / Chisel tip bent 30° 0,8 x 0,4 mm, 40 W



Order number  
T0054460599

RT 6 / Round tip 45° sloped 1,2 mm, 40 W



Order number  
T0054460699

RT 7 / Knife tip 45° sloped 2,2 mm, 40 W



Order number  
T0054460799

RT 8 / Chisel tip 2,2 x 0,4 mm, 40 W



Order number  
T0054460899

RT 9 / Chisel tip 0,8 x 0,4 mm, 40 W



Order number  
T0054460999

RT 10GW / Gull wing 1,2 x 2,0 mm, 40 W



Order number  
T0054461099

RT 11 / Chisel tip 3,6 x 0,9 mm, 55 W



Order number  
T0054461199

RT / Measuring tip



Order number  
T0054461399

## WX compatible tools



### WXMT Micro tweezers with safety rest WDH 60 (Set)

- 2 x 40 W | 12 V / max. temperature 450°C
- Ideal for soldering and desoldering very small SMD parts
- RTW soldering tip, standard soldering tip RTW 2

Order number  
T0051317899

### RTW soldering tip

#### RTW 1

Tip set  $\varnothing$  0,4 mm, 45°, 80 W, 10 mm



Order number  
T0054465199

#### RTW 2

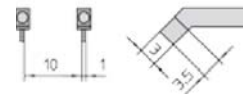
Tip set chisel tip 0,7 x 0,4 mm, 45°, 80 W



Order number  
T0054465299

#### RTW 3

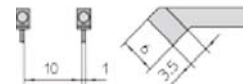
Tip set chisel tip 3 x 1,0 mm, 45°, 80 W



Order number  
T0054465399

#### RTW 4

Tip set chisel tip 6 x 1,0 mm, 45°, 80 W



Order number  
T0054465499

#### RTW 6NW

Tip set  $\varnothing$  0,2 mm, 45° chrome unwettable, for soldering and desoldering of micro devices components 0201 / 0402



Order number  
T0054465699

## WX control units



### WX 2020

Power unit WX 2 with 2 x WXP 120 soldering irons (120 W | 24 V) and 2 safety rests WDH 10

Order number  
T0053421699



### WX 2021

Power unit WX 2 with WXMP micro soldering iron (40 W | 12 V) and safety rests WDH 50 as well as WXMT micro-desoldering tweezers (2 x 40 W | 12 V) and safety rest WDH 60

Order number  
T0053422699



### WX 1010

Power unit WX 1 with WXP 120 soldering iron (120 W | 24 V) and safety rest WDH 10

Order number  
T0053418699



### WX 1011

Power unit WX 1 with WXMP soldering iron (40 W | 24 V) and safety rest WDH 50

Order number  
T0053419699



### WX 1012

Power unit WX 1 with WXP 65 soldering iron (65 W / 24 V) and safety rest WDH 50

Order number  
T0053427699

## WX compatible fume extraction units



### WFE 2S with pressure regulator

Portable fume extraction unit for large areas, with a built-in turbine and pressure regulator for constant volume flow

Order number  
T0053626671

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### WFE 2S

Portable fume extraction for large areas, with a built-in turbine

Order number  
T0053626699

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### WFE 4S

Mobile fume extraction for large areas, with a built-in turbine

Order number  
T0053649699

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### WFE 20D

Fume extraction for tip suction at the soldering tip, with a built-in turbine

Order number  
T0053647699

## WX compatible heating plates



### WHP 1000

Heating plate 1000 W | 230V, heated surface area: 220 x 150 mm

Order number  
T0053364899

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### WHP 3000

Infrared-heating plate 600 W | 230V, with Easy-Fix circuit board holder, heated surface area: 120 x 190 mm

Order number  
T0053338699

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### WHP 3000

Infrared heating plate 1200 W | 230V, with Easy-Fix circuit board holder, heated surface area: 190 x 245 mm

Order number  
T0053364699

## WX adapter



### WX adapter for PC

Order number  
T0058764711

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### WX adapter for WFE | WHP

Order number  
T0058764712

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### WX connection cable

Order number  
T0058764710



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