

Built from our customers best ideas.



WX

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

Weller[®]

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.




The WX 2 two-channel soldering station

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.

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 replacing the entire bit instead of just 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 bit | Even contact pressure thanks to an optimized, spring-loaded tip barrel (WXP 120)








Storage medium in bit
Save key data on the bit | No adjustments needed to the soldering station


WX control units

	WX 2020	Supply 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	Supply 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	Supply unit WX 1 with WXP 120 soldering iron (120 W 24 V) and safety rest WDH 10	Order number T0053418699
	WX 1011	Supply unit WX 1 with WXMP soldering iron (40 W 24 V) and safety rest WDH 50	Order number T0053519699


WX compatible tools

	WXP 65 soldering iron safety rest WDH 10 (Set)	<ul style="list-style-type: none"> 65 W 24 V Very fast heat up times, suitable for small, extreme precision soldering XNT soldering tip 	Order number T0052921299
	WXP 120 soldering iron with safety rest WDH 10 (Set)	<ul style="list-style-type: none"> 120 W 24 V For soldering small and large components with high heat demands XT soldering tip 	Order number T0052920299
	WXP 200 soldering iron with safety rest WDH 31 (Set)	<ul style="list-style-type: none"> 200 W 24 V Ideal for soldering that requires high heat e.g. for LED back planes XHT soldering tip 	Order number T0052920699
	WXMP micro soldering iron with safety rest WDH 50 (Set)	<ul style="list-style-type: none"> 40 W 12 V Extremely powerful due to an integrated active soldering tip ideal for working under a microscope RT soldering tip 	Order number T0052920499
	WXMT Micro tweezers with safety rest WDH 60 (Set)	<ul style="list-style-type: none"> 2 x 40 W 12 V Ideal for soldering and desoldering very small SMD parts RTW soldering tip 	Order number T0051317899




WX compatible fume extraction units

	WFE 2S with pressure regulator	Portable suction device for large areas, comes with a built-in turbine and pressure regulator for constant volume flow	Order number T0053626671
	WFE 2S	Portable suction device for large areas, comes with a built-in turbine	Order number T0053626699
	WFE 4S	Mobile suction device for large areas, comes with a built-in turbine	Order number T0053649699
	WFE 20D	Fume extraction for siphoning at the soldering tip, comes 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
	WHP 3000	Infrared-heating plate 600 W 230V, with Easy-Fix circuit board holder, heated surface area: 120 x 190 mm	Order number T0053368699
	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
	WX adapter for WFE WHP	Order number T0058764712
	WX connection cable	Order number T0058764710

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 in.)	
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 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)	
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	<p>The 3.5 mm switch box offers four different options:</p> <ul style="list-style-type: none"> 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



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