

# Powerful soldering intelligence on a single platform.

Weller® WX — Intelligent hand-soldering solutions for electronic assembly.



**Weller®**

**WX**

# A system that saves you money.

The Weller WX system keeps your cost of ownership low with Intelligent power management to conserve energy and an exceptional degree of tool compatibility.



## 200 I 240W Total Power

Supports operation of one 200W tool or simultaneous operation of two 120W tools (WX2 Only)



## Viewable From All Angles

Blue LED Backlighting to strengthen visibility



## Global Language Support

Display multiple languages through menu selection



## Intuitive Interface

Six touch keys with radius finger guide for turn-and-click navigation



## Automatic Energy Saving Mode

Selectable stand-by mode with visual process control via blue LED light ring on most models (light on = heater on, light off = heater off)





### Robust Touch Screen

Patented, capacitive touch screen made of antistatic, chemical and temperature resistant glass



### Intelligent Tool Recognition

Quick change connectors enable rapid tool interchange



### Multi-Purpose USB Port

Quick and localized software updates, parameter configuration and data logging via USB stick



### Intelligent Accessory Management

Dual port configuration to manage fume extractors, heating plates and programmable logic controllers



### Increased Accuracy

Digital sensor in pencil optimized at short range for peak performance



### Programmable Read and Write Memory

Supports quick tool exchange and reduces adjustments needed to the soldering station



# STEP 1

# Choose Active-Tip or Power-Response Tip Technology for applications.



## Active (Integral) Tip Technology

This highly-innovative technology offers ultra precise heating and temperature control specifically designed for micro-soldering applications. The fully-integrated tip cartridge delivers the fastest recovery on the market for fine tips at just a slightly higher tip price. Temperature sensitive and miniature applications are mastered with precision and safety.

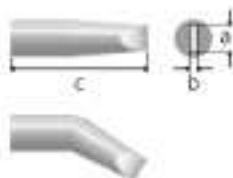
## 55W Iron

Ultra precise performance  
Extremely accurate tip temperature  
Micro-soldering at its finest  
Fastest heat up and recovery time of all three technologies

RT

Most delicate and temperature-sensitive applications; for use under microscope; ultra fine tips with fastest heat response and best temp-control; cartridge tips.

### Chisel



RT	a mm	b mm	Order number
Non-MS-spec series			
Use with WXMP (T0052920399)			
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

### Sloped



Type	a mm	Order number
RT 6 45°	1.2	T0054460699

\*Non-wettable

RT-MS	a mm	b mm	Order number
MS-spec series			
Use with WXMP-MS (T0052921399)			
RT 1SCMS	0.4	0.15	T0054461599
RT 1SCNWM*	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

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

MS tips: separate ground



4 | WX – A new era in soldering.



## Conical



<b>RT</b> Non-MS-tip series		Ø a mm	Order number
Use with WXMP (T0052920399)			
RT 1		0.2	T0054460199
RT 1NW*		0.1	T0054462599
RT 2		0.8	T0054460299
RT 14		0.4	T0054460171
RT 15		.75	T0054460271

<b>RT-MS</b> MS-tip series		Ø a mm	Order number
Use with WXMP-MS (T0052921399)			
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 mm	b mm	Order number
RT10GW	1.2	2.0	T0054461099

Type	Ø a mm	b mm	Order number
RT10GWMS	1.2	2.0	T0054462499

## Knife



Type	Ø a mm	Order number
RT 7 45°	2.2	T0054460799

Type	Ø a mm	Order number
RT 7MS 45°	2.2	T0054462199

MS tips: separate ground

## Measuring tip

Type	Order number
Measuring tip	K1101

\*Non-wettable





2X40W Tweezer

RTW = tweezers

## RTW

Most delicate and temperature-sensitive applications; for use under microscope; ultra fine tips with fastest heat response and best temp-control; cartridge tips.

### Chisel



RTW Non mil-spec series	Ø a mm	b mm	Order number
Use with WXMP (T0052920399)			
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
RTW 11	6.0	1.0	T0054466799
RTW10	10.0	1.0	T0054466899
RTW 8	1.3	0.4	T0054466499

RTW-MS Mil-spec series	Ø a mm	b mm	Order number
Use with WXMP-MS (T0052921399)			
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
RTW 11MS	6.0	1.0	T0054467099
RTW10MS	10.0	1.0	T0054467199
RTW 8MS	1.3	0.4	T0054466599
RTW 7NWMS*	0.8	0.4	T0054466371

### 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

### Measuring tip

Type	Order number
RTW	T0054466299

\*Non-wettable

MS tips: separate ground



65W Iron

## Power-Response Technology

The newly improved technology maximizes soldering performance on the most-delicate to the most-difficult applications. A perfect balance between power, response, temperature control and lower tip costs makes this unique technology the most attractive solution for top quality professional soldering designed to meet the highest industry standards.

Maximum power and response for top performance

Optimal balance between power, control and operating costs with widest range of tips

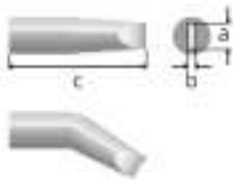
Highest quality soldering standard for wide range of applications










XNT

SMDs and THDs with very small solder pads and increased heat demand, lower cost, non-cartridge style tips.

### Chisel








XNT	a mm	b mm	c mm	Order number
XNT 15CMW*	0.3	0.1	27.0	T0054488199
				NEW
XNT 15C	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 8	2.4	0.8	27.0	T0054485799

Type	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
XNT BB 45° 	2.4	T0054488599

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

\*Non-wettable

## Conical



XNT		Ø a mm	c mm	Order number
XNT 1		0.5	27.0	T0054485099
XNT 1L		0.2	42.8	T0054487199

Type	Ø a mm	c mm	Order number
XNT 5	0.4	37.5	T0054486899

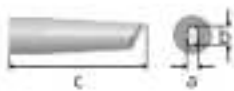
## Knife



Type	Ø a mm	c mm	Order number
XNT KN	2.0	33.0	T0054486399

Type	Ø a mm	c mm	Order number
XNT 5	0.4	37.5	T0054486899

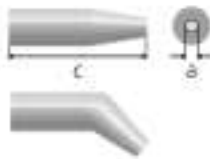
## Gull wing



Type	a mm	b mm	c mm	Order number
XNT GW 45°	1.4	2.0	33.0	T0054485499

Type	a mm	b mm	c mm	Order number
XNT GW 1 45°	1.0	1.5	27.5	T0054488099

## Round



Type	Ø a mm	c 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 mm	c 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 mm	b mm	c 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 mm	b mm	c mm	Order number
XNT SMT 03	20.8	0.6	7.1	T0054487899

## Accessories

Type	Ø a mm	c mm	Order number
Measuring tip			E1131
XNT Screw M4		26.0	T0054487999

Type	Order number
Barrel	T0058765758
Barrel for bent tips	T0058765767

\*Non-wettable





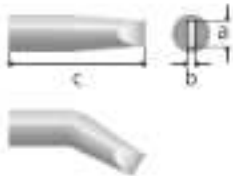
120W Iron

XT

Most difficult, high-mass soldering jobs; maximum power with ergonomic iron handle, lower cost, non-cartridge style tips.



## Chisel



XT	a mm	b mm	c 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 SL	2.5	0.8	36.3	T0054473899
XT C	3.2	0.8	36.0	T0054470599

Type	a mm	b mm	c 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	a mm	c mm	Order number
XT BS	2.4	36.5	T0054471599
XT CS	3.2	36.5	T0054471699

Type	a mm	c mm	Order number
XT OS	5.0	34.5	T0054471799

## Sloped



Type	a mm	c 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 mm	c mm	Order number
XT DCH 45 45°	4.0	40.5	T0054473099
XT D 45°	5.0	40.5	T0054472199

\*Non-wettable

## Gull wing



### XT

Type	Ø a mm	b mm	c mm	Order number
XT GW1 45°	2.3	3.2	36.5	T0054471299
XT GW2 45°	3.5	4.8	36.5	T0054473599

Type	Ø a mm	c mm	Order number
XT KN 60°	2.0	45.0	T0054471199

## Conical



Type	Ø a mm	c mm	Order number
XT O	1.0	36.5	T0054471499

## SMT

Type	Ø a mm	b mm	Order number
XT SMT 01*	4.0	10.0	T0054473190
XT SMT 02*	4.0	20.0	T0054473290

\*Adapter required, must be ordered separately

## Accessories

Type	Ø a mm	c mm	Order number
Measuring tip (For the WXP120)			K1141
XT Adapter M4		36.0	T0054471999
XT Adapter M5		36.0	T0054472099

\*Adapter required, must be ordered separately

Type	Ø a mm	b mm	c mm	Order number
XT GW3 45°	0.8	0.9	41.5	T0054473999

Type	Ø a mm	b mm	Order number
XT SMT 03*	4.0	33.0	T0054473390

Type	Order number
Barrel	WXP 120 T0058765711
Barrel for bent tips	WXP 120 T0058765766



200W Iron

## XHT

Most difficult, high-mass soldering jobs; maximum power with ergonomic iron handle, lower cost, non-cartridge-style tips.

## Chisel



### XHT

Type	Ø a mm	b mm	c mm	Order number
XHT C	3.2	1.2	48.0	T0054480499
XHT D	5.0	1.2	48.0	T0054480199

Type	Ø a mm	b mm	c mm	Order number
XHT E	7.6	1.5	48.0	T0054480299
XHT F	9.3	2.0	48.0	T0054480599

# STEP 2

## Align tip with iron technology.



### Active (Integral) Tip Technology

**RT/RTW**

Non mil-spec series



WXMP Micro-Soldering Iron (T0052920399) with safety rest WDH51 (T0051517199)

- 55W | 12V / max. temperature 450 °C (850 °F)
- Extremely powerful due to an integrated active soldering tip, ideal for working under a microscope
- RT3 chisel tip included

Order number (Set)  
T0051320499



WXMT Micro-Tweezers (T0051317799) with safety rest WDH60 (T0051516999)

- 2 x 40W | 12V / max. temperature 450 °C (850 °F)
- Ideal for soldering and desoldering very small SMD parts
- RTW2 cartridge included

Order number (Set)  
T0051317899

### Active (Integral) Tip Technology

**RTMS/RTWMS**

Mil-spec series



WXMPMS Micro-Soldering Iron (T0052921399) with safety rest WDH51 (T0051517199)

- 55W | 12V / max. temperature 450 °C (850 °F)
- Extremely powerful due to an integrated active soldering tip, ideal for working under a microscope
- RT3MS chisel tip included

Order number (Set)  
T0052921799



WXMTMS Micro-Tweezers (T0051317999) with safety rest WDH60 (T0051516999)

- 2 x 40W | 12V / max. temperature 450 °C (850 °F)
- Ideal for soldering and desoldering very small SMD parts
- RTW2MS cartridge included

Order number (Set)  
T0051320399



### Power-Response Technology



WXP65 Soldering Iron (T0052921199) with safety rest WDH10 (T0051516199)

- 65W | 24V / max. temperature 450 °C (850 °F)
- Very fast heat-up time suitable for small, extreme precision soldering
- XNTA soldering tip included

Order number (Set)  
T0052921299



WXP120 Soldering Iron (T0052920199) with safety rest WDH10 (T0051516199)

- 120W | 24V / max. temperature 450 °C (850 °F)
- For soldering small and large components with high-heat demands
- XTB soldering tip included

Order number (Set)  
T0052920299



WXP200 Soldering Iron (T0052920599) with safety rest WDH31 (T0051515899)

- 200W | 24V / max. temperature 450 °C (850 °F)
- Ideal for soldering that requires high heat e.g. for LED back planes
- XHTD chisel tip included

Order number (Set)  
T0052920699



# STEP 3

## Choose station or system.

### Stations:



Order number:  
WX1



Order number:  
WX2



Dimensions LxWxH	170 x 151 x 130 mm (6.69 x 5.94 x 5.12 in)
Power Supply	120 V   50/60 Hz
Power Consumption	200 W (WX1), 240 W (WX2)
Temperature Range	Adjustable temperature range varies among tools (200 – 850 °F)
Temperature Accuracy	± 9 °C (± 17 °F)
Temperature Stability	± 6 °C (± 10 °F)
Control Panel	Glass with antistatic coating
Resolution	255 x 127 (128 dots)
Background Lighting	Four LEDs
USB Port	Front-mounted USB port for firmware updates, parameter setting and monitoring
Communication Ports (2)	Control of Weller fume extraction units and heating plates

### Systems:



Order number: WX2020  
WX2 station with two WXP120 soldering irons and two WDH10 tool stands



Order number: WX2021  
WX2 station with WXMP-MS soldering iron and WDH51 tool stand,  
WXMT-MS de-soldering tweezer and WDH60 tool stand



Order number: WX1010  
WX1 station with WXP120 soldering iron and WDH10 tool stand



Order number: WX1011  
WX1 station with WXMP-MS micro soldering iron and WDH51 tool stand



Order number: WX1012  
WX1 station with WXP65 soldering iron and WDH10 tool stand



# STEP 4

## Select peripherals.



### WX Compatible Filtration Systems

Zero Smog 4V Portable volume extraction up to four workstations	Order number: T0053660299
Zero Smog 6V Portable on wheels volume extraction up to eight stations	Order number: T0053666299
Zero Smog 20T Portable on wheels tip extraction up to 20 FE soldering irons	Order number: T0053670299



### WX Compatible Heating Plates

WHP1000 850W contact preheater area 220 x 150 mm (8.75 x 6.0 in)	Order number: WHP1000
WHP3000 600W infra-red contact preheater area 120 x 190 mm (4.7 x 7.5 in)	Order number: WHP3000
WHP3000 (230V) 1200W infra-red contact preheater area 190 x 240 mm (7.5 x 9.4 in)	Order number: T0053364699



### WX Accessories

WX to PC adapter	Order number: T0058764711
WX to WFE/ WHP adapter	Order number: T0058764712
WX to adapter cable connectivity	Order number: T0058764710
WDC2 Dry tip replacement cleaner for WDH tool stands	Order number: T0051512599
Replacement brass wool ball for WDC2 (2 per Pack)	Order number: T0051384099
Tip Polishing bar for soldering tip cleaning	Order number: WPB1
Replacement Sponge for WMPH/WDH tool stands	Order number: T0052241999
Tip tinner and activator, 0.5 oz.	Order number: T0051303199





# Why Weller dry cleaning?

- Excellent cleaning results
- Soldering tip is cleaned yet remains wetted
- Aggressive flux residues are removed
- Prevents oxidation of the soldering tip
- Low temperature shock-vs-wet sponge
- Helps extend soldering tip lifetime



Weller



## Weller WDC/WDC2 Dry Cleaner



Dry cleaner with brass wool is recommended for dry cleaning of soldering tips using the WDC dry cleaner with brass wool. The solder tip is cleaned and flux residues are removed while tip remains wetted.

Order number: T0051512499-WDC  
T0051512599-WDC2



Find out how to use the WDC dry cleaner correctly on our youtube channel: visit [www.youtube.com/wellersoldering](http://www.youtube.com/wellersoldering)

YouTube

## WPB1 Cold-Tip Polishing Bar



Cleans and renews the soldering tip surface. Clean the tip only when it is COLD to prevent tip damage.

Order number: WPB1

## Weller Hot-Tip Activator



For re-activation or re-wetting of dark, oxidized soldering tip, clean the tip in the activator while the tip is still HOT. Order number: T0051303199

## WHP200 Preheating Plate



Supplies additional heat energy to the PCB being soldered. This protects the board from partial overheating and allows the use of much lower, safer solder tip temperatures. Extended tip lifetime is the cost benefit.

Order number: WHP200

## Tip Recycle Box



Weller Tip Recycling Box for two pounds of used tips. Order number: T550729

# Resources for the future.

## CARE ABOUT THE ENVIRONMENT?

Weller does and we want you to work with us to make it better.

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

To this end, Weller is launching a recycling initiative for old, used soldering tips. By recycling the copper and iron from used tips, we can make a real contribution towards helping the environment and preserving its natural resources.

## HOW IT WORKS:

In the United States? We want you to collect your worn out soldering tips, all types from all manufacturers, send them to us and we will arrange for their environmentally safe recycling.

This will 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 and the environment will profit and so will you.

Please send the full TIP RECYCLING BOX to the address on the box or to:

Weller Tools  
1000 Lufkin Road  
Apex, NC 27539 USA



Need a new box? Contact us.



# Weller®

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