



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Catalogue

WOW!

World of Weller®





Weller®

Soldering, Microtools, Desoldering, Hot Air, Rework, Fume Extraction, Electronic Screwdrivers, Dispensing Systems, Accessories, etc.

Page 06 – Page 229



Erem®

Tweezers, Cutters, Pliers, EROP, Stripping Tools, Kits, etc.

Page 230 – Page 333



Xcelite®

Knives, Cutters, Screwdrivers, Kits, etc.

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Soldering

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Fume Extraction

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Xcelite

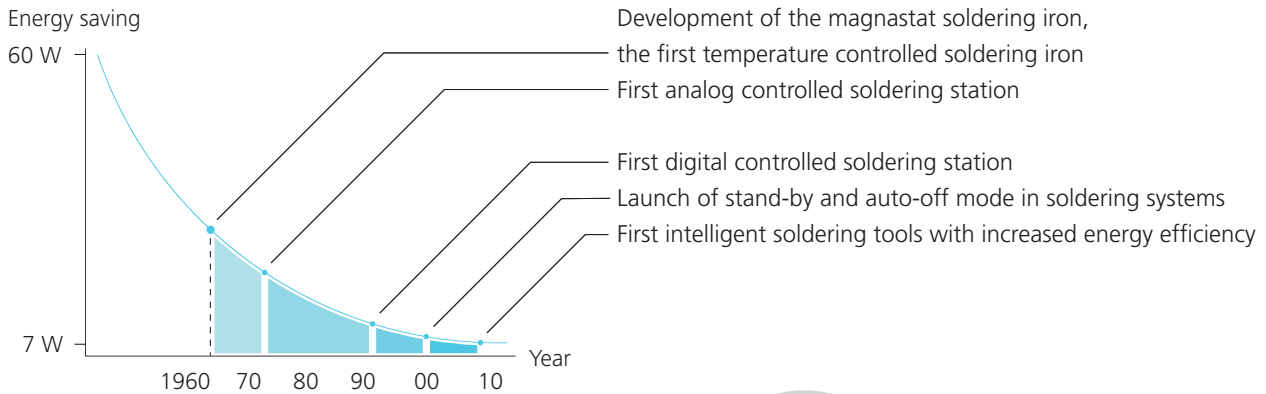
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Energy Efficient, Professional Soldering Stations



Quality Built to Guarantee Quality

- Cutting edge mechanical & electronic parts
- Fast reaction & recovery time
- Automatic tool recognition & downloading of parameters
- Micro processor controlled PID control
- Exact temperature settings per one degree
- No calibration needed for Weller soldering units

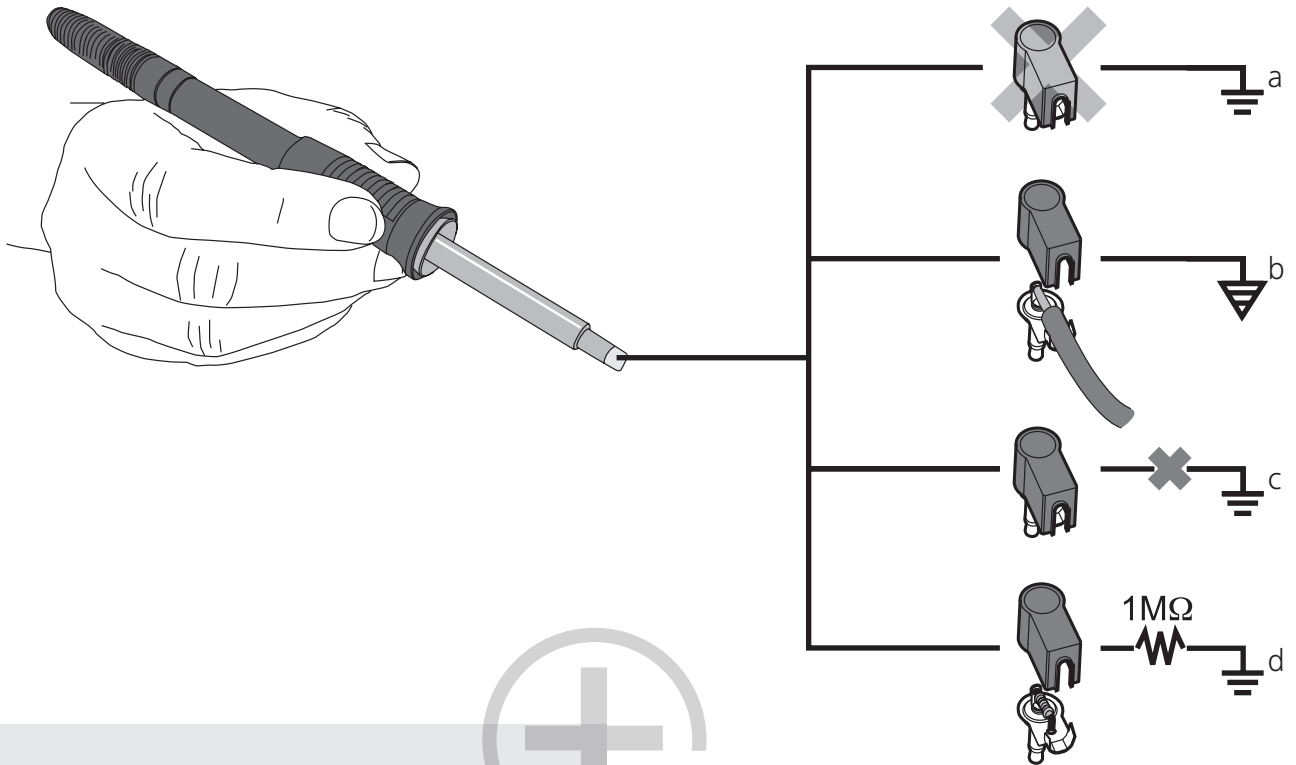


ESD

High Productivity - No Calibration Required

- Weller soldering stations do not need to be calibrated: the parts of the Weller heating element which determine the temperature have the same physical material characteristics and do not change over time or during use.
- Electronic control units do not wear out. Closed loop temperature regulation & high quality sensor & control technology assure temperature stability of the soldering tool during its lifetime. Built according to IPC J-STD001 D and DIN EN 61191-1.
- If higher accuracy than these standards is required, fine adjustment is possible.
- All industry and military ESD standards are met.

Weller® - In a League of Their Own



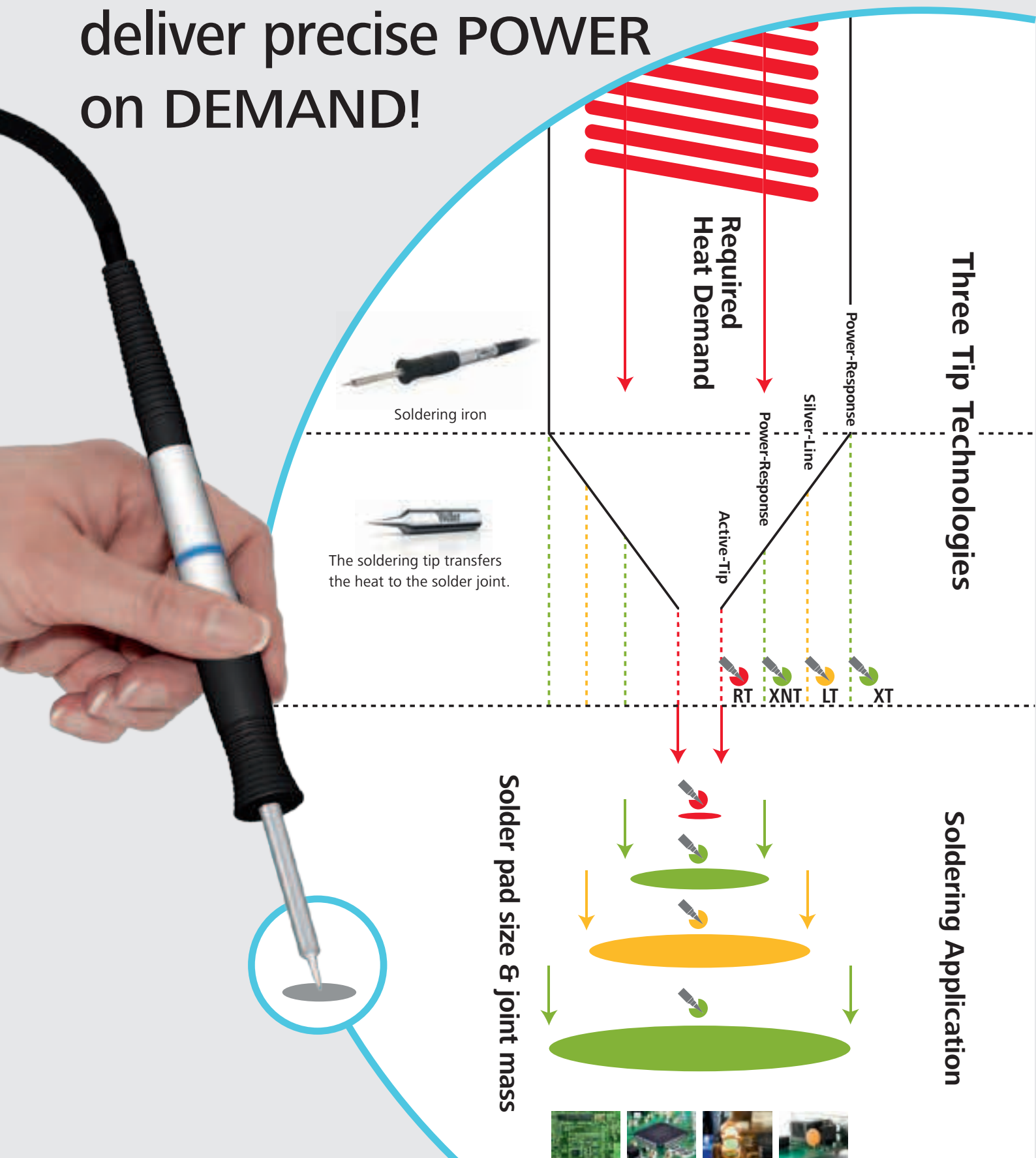
Safety First with Maximum Flexibility

All Weller soldering stations are equipped with various possibilities for potential equalization:

- a) Hard ground without plug (original delivery)
- b) Potential equalization with plug - equalization line on center contact
- c) Potential free - with plug
- d) Soft ground - with plug and resistor soldered in: Grounding according to selected resistor



Weller® Heating Technologies deliver precise POWER on DEMAND!



Three Tip Technologies designed to master ALL soldering jobs - from the most delicate to the most difficult!



RT / RTW



Active-Tip Technology

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



XNT



Power-Response Technology

SMDs & THTs with very small solder pads & increased heat demand; perfect choice where Active-Tip above lacks sufficient power; lower cost, non-cartridge tips.



LT



Silver-Line Technology

Universal SMD & THT applications both small & large; low mass silver tips offer absolute best heat transfer at lowest price in entire tip range; non-cartridge tips



XT/XHT



Power-Response Technology

Most difficult, high mass soldering jobs; maximum power with ergonomic iron handle; choose when WXP/ WP 65 lack sufficient power; lower cost, non-cartridge tips.



Selection Tool for Soldering irons

Weller heating & tip technologies are designed for specific applications guaranteeing maximum flexibility!

RT

Soldering tips

**WXMP
WMPR**



40 W (55 W with RT 11), 12 V

Ultra slim soldering iron;
Ideal for microscope work.

RTW

Soldering tips

**WXMT
WMRT**

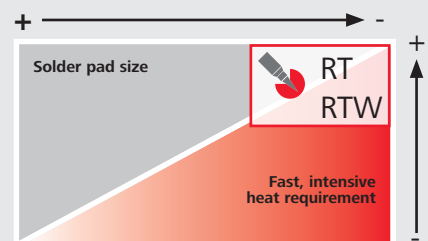


2 x 40 W, 12 V

Slim tweezers. Ideal for soldering
and desoldering of very small
SMD components.



Active-Tip



XNT

Soldering tips

**WXP 65
WP 65**

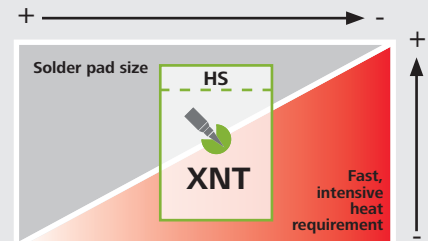


65 W, 24 V

SMDs & THTs with very small solder
pads & increased heat demand.



Power-Response



LT

Soldering tips

**WSP 80
WP 80**

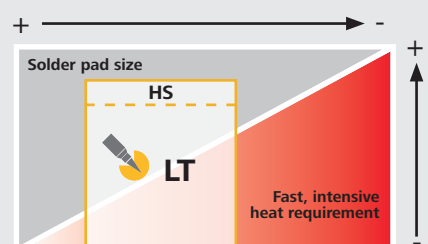


80 W, 24 V

Universal SMD & THT applications both
small & large heat demand..



Silver-Line



XT

Soldering tips

**WXP 120
WP 120**



120 W, 24 V

All-rounder with great heating power;
soldering applications from small to
large components with higher heat
demand required.

XHT

Soldering tips

**WXP 200
WP 200**

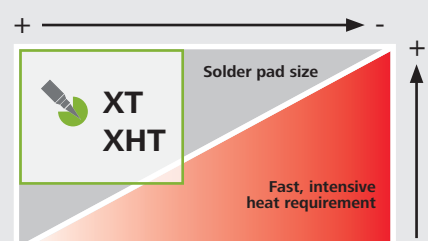


200 W, 24 V

Highest Power soldering iron;
ideal for applications with highest mass
applications e.g. LED back-panels or RF
shieldings.



Power-Response



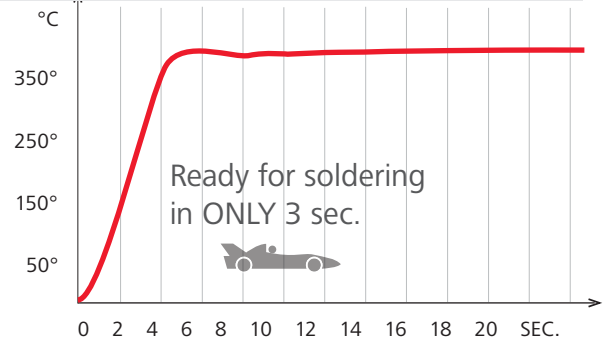


Active-Tip Technology

This highly innovative technology offers ultra precise heating & temperature control specifically designed for micro-soldering applications. The fully integrated tip cartridge (40W) 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 & safety.



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

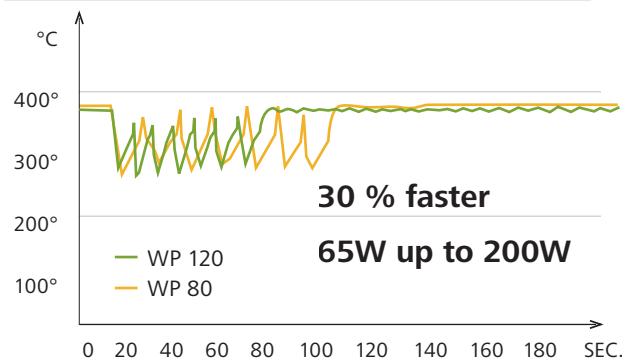


Power-Response Technology

The newly improved technology maximizes soldering performance on the smallest to the largest joints. A perfect balance between power (65W, 120W & 200W), response, temperature control and lower tip costs makes this unique technology the most attractive solution - Top quality professional soldering designed to meet the highest industry standards.



- Maximum power & rapid response
- Optimized sensor position
- Meeting highest industry standards
- Widest tip range with low price point



Silver-Line Technology

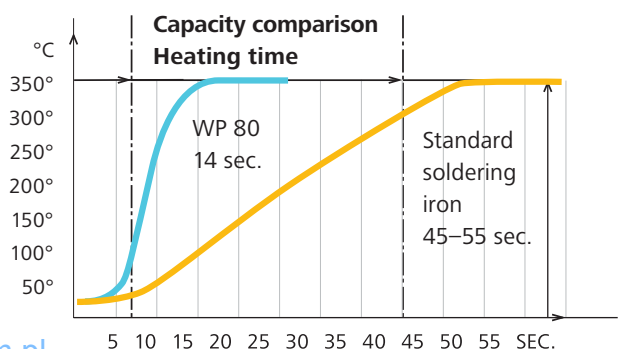
The low mass silver tips offer the absolute best heat transfer at the lowest price in our entire range of tips. The 80W ergonomically designed heating element and pencil type grip make this technology the top performer for universal soldering applications where tip price is a deciding factor.



The Manufacturer Warranty can ONLY be guaranteed when using original Weller parts.



- Effective heat transfer via silver core
- Fast ramp up & recovery
- Designed for universal applications
- Low mass tips with lowest price point



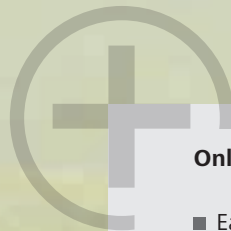
Highly Efficient Benchtop Soldering Solutions

Hard to believe, but TRUE: This Weller workbench solution will save as much power as a single-person household uses in a whole year!

The all-in-one professional soldering and energy-saving solution includes the new WX 2 dual-channel soldering station complete with WXP 65 intelligent soldering iron, the Zero Smog 4V solder fume extractor and a WHP series preheating plate. Compared to a conventional repair workstation, it is possible to save up to ***1800 kWh per year**.

The WX 2 acts as a central control unit for the entire benchtop: the intelligent soldering irons, solder fume extractor and the preheating plate. When the soldering iron is not in use, the WX 2 switches all connected devices to Stand-by or Auto-off mode thereby significantly reducing energy costs.


*Savings based on customer experience with a Weller soldering system is in use on average for one hour per day for 220 workdays per year.



Only 1 Control Unit per Workbench


- Easy monitoring of entire workplace - WX station acts as the digital controller for all units
- RS232 connection cable for controlling the pre-heating plate and the fume extraction units
- Digital and optical decoupled interface for SPS (e.g. robot applications)
- USB interface





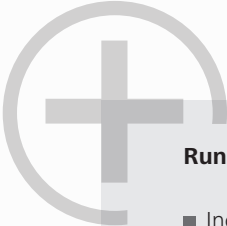
Process Controlled Soldering – Fast & Simple

- Fast, intuitive & multi-lingual touch screen operation
- Simultaneous operation of two tools with a maximum power of 255 W available
- Consistent & excellent soldering results by stable contact pressure thanks to an optimized, spring-loaded tip barrel
- Key data is saved directly on the tool; Visual process control via blue LED light



Protection of Worker's Health & the Environment

- Weller Fume Extraction Systems protect operators from unhealthy fine particles and gases
- Auto-stand-by mode of soldering units increases energy efficiency and extends lifetime of products



Running Cost & Energy savings

- Increased soldering efficiency & lowered tip prices reduce running costs
- Auto-stand-by mode & Auto-off mode result in significant energy savings

www.labem.pl

Soldering Stations



WX 1

■ max. power supply 200 W



WX 2

■ max. power supply 200 W (255 W)

Power-Response

WX
compatible



WXP 65
XNT Soldering tips



WXP 120
XT Soldering tips

WX
compatible



WXP 200
XHT Soldering tips

Active Tip

WX
compatible



WXMP
RT Soldering tips

WX
compatible



WXMT
RTW Desoldering tips

Fume extraction

WX
compatible



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

Solder bath

WX
compatible



WWSB 200
Available September 2013

Preheating plates

WX
compatible



- WHP 1000
- WHP 3000 600 W
- WHP 3000 1200 W
- WXHP 120 120 W

Available September 2013

WX Adapter

WX
compatible



WX Adapter
for PC
T005 87 647 11



WX Adapter
for Zero Smog
T005 87 647 12

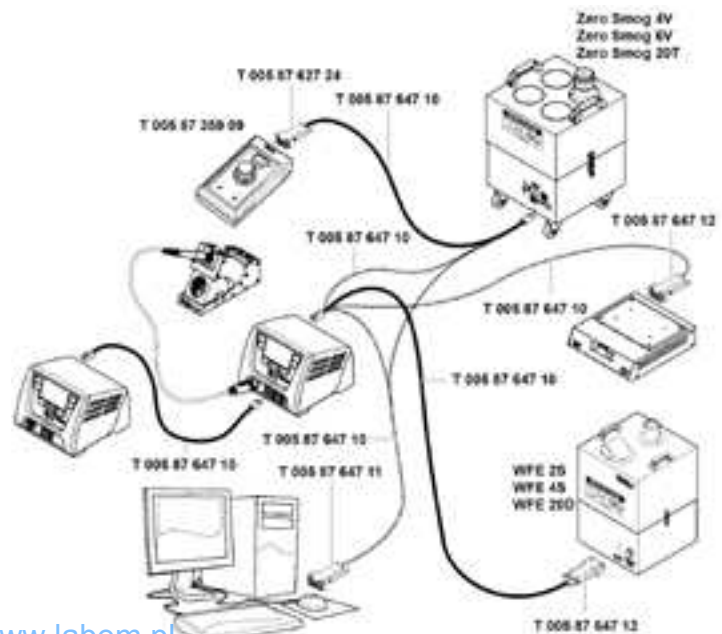


Adapter
for Remote control
T005 87 627 24



WX
connection cable
T005 87 647 10

WX HUB
T005 87 647 26



Technical Data



WX 1



WX 2

Dimension L x B x H	170 x 151 x 130 mm (6,69 x 5,94 x 5,12 inch)	
Weight	ca. 3,2 kg	
Channels	1	2
Power supply	230 V 50 Hz	
Power consumption	200 W	200 W (255 W)
Protection class	I	
Temperature range	Adjustable 50–550 °C (150–999 °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	
Material touch panel	Made of antistatic coated material (glas)	
Dimensions touch panel	74 x 38 mm	
Resolution	255 x 127 (128) dots	
Display backlighting	yes	
Equipotential bonding	<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) Equipotential bonding: with plug, compensating line on center contact c) Potential free: with plug d) Soft grounded: with plug and soldered resistor grounded via selected resistor 	
USB-interface	USB interface in front for firmware updates, parameterization and monitoring USB interface supports all standard USB flash drive types	
	2 further interfaces to connect Weller accessories	
ESD safe	yes	yes
Order-no.	T005 34 176 99	T005 34 206 99

Soldering Stations



- Cost savings because only one power unit is needed for different applications
- Use as benchtop controller saves energy
- Lowering the running costs by enlarged tip lifetimes
- Reduction of rework due to optimized tool use and correct working temperature
- ESD safe



The Weller multi tool principle different tools can be connected to the power unit. The intelligent WX tools can be parameterized by means that the parameters are saved individually to the soldering tool. So these tools are connectable to every WX power unit. This saves a lot of time at the workplace.

Intelligent power management allows a max. power of 200 W (255 W). A simultaneous use of different tools is possible. For your overview, all active tools can be seen in the display and a LED ringlight show the working status.



WX 2020 Set

- Power unit WX 2 with 2 channels, 2 soldering irons WXP 120



XT Soldering tip series
page 172/173

Order-no.	Model	Description
T005 34 216 99	WX 2020 Set	Power unit with 2 channels 200 W / 230 V
Scope of supply:		
1 T005 34 206 99	WX 2	Power unit, 200 W (255 W)
2 T005 29 201 99	2 x WXP 120	Soldering iron 120 W, 24 V with Power-Response Technology
3 T005 44 704 99	2 x XT B	Standard tip XT B, Chisel 2,4 x 0,8 mm
4 T005 15 121 99	2 x WDH 10	Safety rest with dry cleaner



WX 2021 Set

- Power unit WX 2 with 2 channels, soldering irons WXMP and tweezers WMRT

RT Soldering tip series page 164/165

Order-no.	Model	Description
T005 34 226 99	WX 2021 Set	Power unit with 2 channels 200 W / 230 V
Scope of supply:		
1	T005 34 206 99	WX 2 Power unit, 200 W (255 W)
2	T005 29 203 99	WXMP Micro soldering iron 55 W, 12 V with Active-Tip Technology
3	T005 44 603 99	RT 3 Standard tip RT 3, Chisel 1,3 x 0,4 mm
4	T005 15 171 99	WDH 51 Safety rest with dry cleaner
5	T005 13 177 99	WXMT Micro tweezers 2 x 40 W, 12 V with Active-Tip Technology
6	T005 44 652 99	RTW 2 Standard tip RTW 2, 0,7 x 0,4 mm, 45°
7	T005 15 169 99	WDH 60 Safety rest with dry cleaner

Power Unit WX 2


- Innovative operation concept
- Robust touch screen with ESD safe glass
- Intuitive use with turn-click-wheel with enter key and finger guide.
- Blue LED backlighting
- Multilingual menu navigation
- High functionality
- No safety rest with Stop & Go function needed thanks to integrated acceleration sensor
- Optimized precision, better stability by sensor in the soldering iron
- Specific parameterization of tool by storage medium in hand piec.
- Visual process control via blue LED ring light
- All WX tools connectable

Order-no.	Model
T005 34 206 99	Power unit WX 2 with 2 channels, 200 W (255 W)


Soldering Stations

WX 1010 Set

- Power unit WX 1 with 1 channel, soldering irons WXP 120


 **XT Soldering tip series**
page 172/173




Order-no.	Model	Description
T005 34 186 99	WX 1010	Power unit with 1 channel, 200 W / 230 V
Scope of supply:		
1 T005 34 176 99	WX 1	Power unit, 200 W
2 T005 29 201 99	WXP 120	Soldering iron 120 W, 24 V with Power-Response Technology 
3 T005 44 704 99	XT B	Standard tip XT B, Chisel 2,4 x 0,8 mm
4 T005 15 121 99	WDH 10	Safety rest with dry cleaner

WX 1011 Set

- Power unit WX 1 with 1 channel, micro soldering irons WXMP

 **RT Soldering tip series**
page 164/165



Order-no.	Model	Description
T005 34 196 99	WX 1011	Power unit with 1 channel, 200 W / 230 V
Scope of supply:		
1 T005 34 176 99	WX 1	Power unit, 200 W
2 T005 29 203 99	WXMP	Soldering iron 55 W, 12 V with Active-Tip Technology 
3 T005 44 603 99	RT 3	Standard tip RT 3, Chisel 1,3 x 0,4 mm
4 T005 15 171 99	WDH 51	Safety rest with dry cleaner



WX 1012 Set

- Power unit WX 1 with 1 channel, soldering irons WXP 65



XNT Soldering tip series
page 168/169

Order-no.	Model	Description
T005 34 276 99	WX 1012	Power unit with 1 channel, 200 W / 230 V
Scope of supply:		
1	T005 34 176 99 WX 1	Power unit, 200 W
2	T005 29 211 99 WXP 65	Soldering iron 65 W with Power-Response Technology
3	T005 44 851 99 XNT A	Standard tip XNT A, Chisel 1,6 mm
4	T005 15 121 99 WDH 10	Safety rest with dry cleaner



Power Unit WX 1

- Innovative operation concept
- Robust touch screen with ESD safe glass
- Intuitive use with turn-click-wheel with enter key and finger guide.
- Blue LED backlighting
- Multilingual menu navigation
- High functionality
- No safety rest with Stop & Go function needed thanks to integrated acceleration sensor
- Optimized precision, better stability by sensor in the soldering iron
- Specific parameterization of tool by storage medium in hand piec.
- Visual process control via blue LED ring light
- All WX tools connectable

Order-no.	Model
T005 34 176 99	1-Channel-Power Unit WX 1 200 W / 230 V

Available adapter for
WX stations see page 14.



Soldering Stations

Take your mark, get set, GO - with SPEED & SAFETY!



Systematic Soldering

- Control units accept wide range of different soldering tools
- Power ranges from 80 W up to 150 W for micro-fine as well as for robot soldering applications
- Extensive accessories available: micro-tweezers, soldering irons and solder baths
- Easy monitoring via Automatic tool recognition and fast temperature setting via buttons and large LC display



Reliability & Longlife

- Robust design for continuous operation
- Small and compact soldering stations with easy-to-read display
- ESD safe unit with different functions: potential equalization, temp. set-back, stand-by and lock function





Cost-Effective, Industrial Soldering Station

- For different applications with a power range from 80 W up to 150 W
- Fast temperature setting and easy monitoring
- Easy to use buttons or potentiometer and LED signal

Low running costs

- Industrial housing: easy to clean, robust design
- High cost saving of consumables; Cost efficient & long life Silver-Line soldering tips reduce running costs

Soldering Stations



WD 1

■ max. power supply 80 W
●●●●●



WD 1M

■ max. power supply 150 W
●●●●●●●●●●

Photo similar



PUD 81i

Available from January 2014

■ max. power supply 80 W
●●●●●



PUD 81

■ max. power supply 80 W
●●●●●



PUD 151

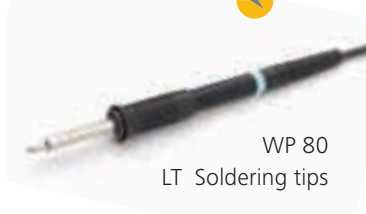
■ max. power supply 150 W
●●●●●●●●●●



PU 81

■ max. power supply 80 W
●●●●●

Silver-Line



Power-Response



Standard-Line



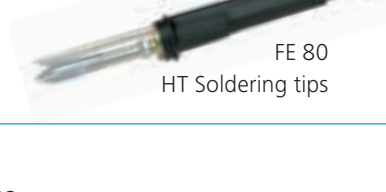
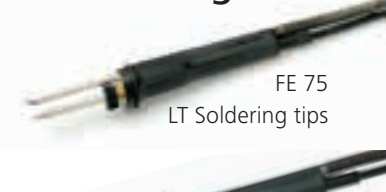
Active Tip



Preheating plate



FE-Soldering iron



Solder bath



Technical Data



WD 1

WD 1M

Photo similar

PUD 81i

PUD 81

PUD 151

PU 81

Available from
January 2014

Dimension L x B x H	34 x 108 x 147 mm	134 x 108 x 147 mm	166 x 140 x 103 mm	166 x 115 x 101 mm	166 x 115 x 101 mm	166 x 115 x 101 mm
Channels	1	1	1	1	1	1
Power supply	230 V	230 V	230 V	230 V	230 V	230 V
Power consumption	95 W	150 W	95 W	95 W	150 W	95 W
Protection class	I	I	I	I	I	I
Temperature range	50°C – 450°C	50°C – 450°C	50°C – 450°C	50°C – 450°C	50°C – 550°C	150°C – 450°C
Temperature accuracy	± 9°C	± 9°C	± 9°C	± 9°C	± 11°C bei 550°C	± 9°C
Temperature stability	± 5°C	± 5°C	± 5°C	± 5°C	± 5°C	± 5°C
Display	LCD	LCD	LED	LED	LED	no
Setting	Tasten	Tasten	Tasten	Tasten	Tasten	Drehpotentiometer
ESD safe	yes	yes	yes	yes	yes	yes
Equipotential bonding	Via 3,5 mm pawl socket on back of device (normal state hard grounded)					
USB interface	yes*	yes*	no	no	no	no
Order-no.	T005 34 006 99	T005 34 156 99	T005 32 956 99	T005 32 626 99	T005 32 786 99	T005 32 526 99

*optional (see page 25)

Soldering Stations



- Cost reduction - longer tip lifetime due to temperature reduction
- Automatic tool recognition
- Easy tip exchange without tools
- ESD safe



Ready, set, go - with perfect accuracy!

1 channel WD soldering station is userfriendly due to the large LC display. 2 special menus for individual settings, e.g. stand-by mode, lock function and many more.



WD 1000 Set

- Power unit 80 W, 1 channel with soldering iron
- For small sensible components



LT Soldering tip series
page 177-180

Order-no.	Model	Description
T005 34 026 99	WD 1000 Set	Soldering station, 1 channel, 80 W / 230 V

Scope of supply:

1	T005 34 006 99	WD 1	Power unit, 80 W
2	T005 29 180 99	WP 80	Soldering iron 80 W, 24 V with Silver-Line Technology
3	T005 44 405 99	LT B	Standard tip LT B, Chisel 2,4 x 0,8 mm
4	T005 15 121 99	WDH 10	Safety rest with dry cleaner

WD 1000 T Set

- Power unit 80 W, 1 channel as WD 1000 Set but with safety rest WDH 10T with Stop & Go function



LT Soldering tip series page 177-180

Order-no.	Model	Description
T005 34 026 70	WD 1000 T Set	Soldering station, 1 channel, 80 W / 230 V

Scope of supply:

	T005 34 006 99	WD 1	Power unit, 80 W
	T005 29 180 99	WP 80	Soldering iron 80 W, 24 V with Silver-Line Technology
	T005 44 405 99	LT B	Standard tip LT B, Chisel 2,4 x 0,8 mm
	T005 15 161 99	WDH 10T	Safety rest with Stop & Go function and with dry cleaner

WD 1M Power Unit

- Power unit, 1 channel, digital 150 W / 230 V
- For micro soldering iron WMRP and micro tweezers WMRT



Order-no.	Model	Description
T 005 34 156 99	WD 1M	Power Unit 150 W, 230 V

WD 1 Power Unit

- Power unit, 1 channel, digital 80 W / 230 V
- For all soldering tools up to 80 W



Order-no.	Model	Description
T005 34 006 99	WD 1	Power Unit 80 W / 230 V

Order-no.	Description
T005 31 185 99	USB Interface for ISO applications

www.labem.pl

Soldering Stations



- Easy handling
- Very good cost / performance ratio
- ESD safe



Digital soldering stations WSD (Optical set and read temperature display) and WS (set-temperature display) stations
Weller WSD and WS stations are cost effective, digital soldering stations with an easy handling.

WSD 81i Set

- Power unit 80 W, 1 channel with soldering iron WSP 80
- Many parameter are available with this unit



LT Soldering tip series page 172



Available from January 2014

Order-no.	Model	Description
T005 32 976 99	WSD 81i Set	Soldering station, 1 channel 80 W / 230 V

Scope of supply:

1	T005 32 956 99	PUD 81i	Power unit, 80 W
2	T005 29 161 99	WSP 80	Soldering iron 80 W, 24 V with Silver-Line Technology
3	T005 44 405 99	LT B	Standard tip LT B, chisel 2,4 x 0,8 mm
4	T005 15 121 99	WDH 10	Safety rest with cleaning sponge

WSD 81i SE Set

- Power unit 80 W, 1 channel with soldering iron WP 65
- Many parameter are available with this unit



XNT Soldering tip series page 172



Available from January 2014

Order-no.	Model	Description
T005 32 966 99	WSD 81i SE Set	Soldering station, 1 channel 80 W / 230 V

Scope of supply:

1	T005 32 956 99	PUD 81i	Power unit, 80 W
2	T005 29 215 99	WP 65	Soldering iron 65 W, 24 V with Power-Response Technology
3	T005 44 851 99	XNT A	Standard tip XNT A, chisel 1,6 x 0,4 mm
4	T005 15 121 99	WDH 10	Safety rest with cleaning sponge