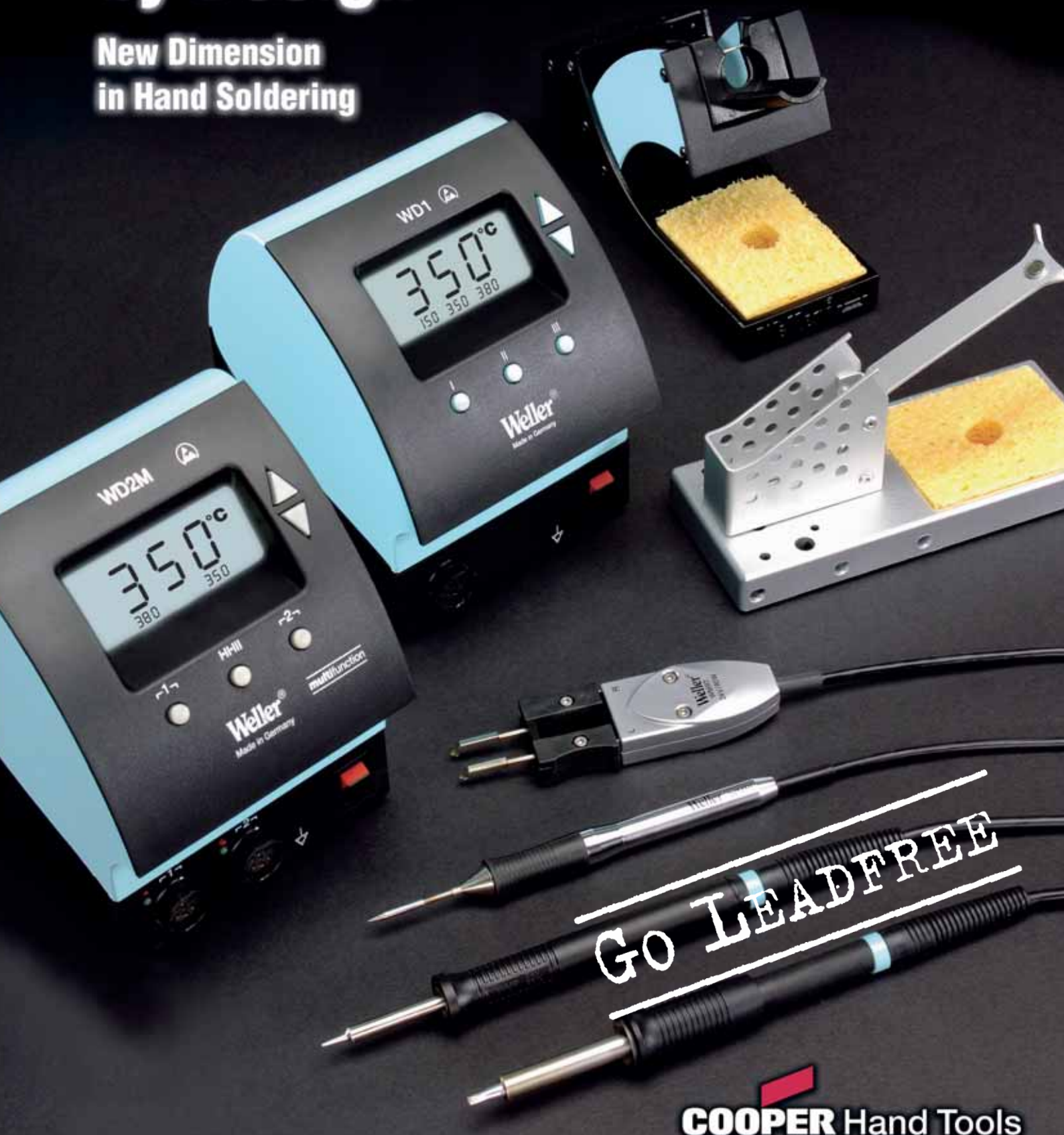
Weller®

Performance by Design

New Dimension in Hand Soldering



GO LEADFREE

COOPER Hand Tools

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Lead Free Soldering with Weller Tools

Why Lead Free?

Based on the global ambitions of pollution prevention, started from July, 1st 2006, the European Community laws request to use only lead free tin for soldering.

Why Weller?

Weller has a long experience with lead free solder. Our customers in Japan and China are successfully working with Weller soldering equipment and lead free solder since many years. The Weller Silver Line technique has proven its quality and performance. Your company should benefit as well from our knowledge and experience.





Particularities of Lead Free Solder

New alloys are needed and in general the melting point is increasing (217°C to 227°C). Compared to lead containing solder, lead free solder joints appear dull and are additionally temperature sensitive during hardening.

An increase of process temperature should be avoided due to longer cooling times may cause micro cracks. Soldering with higher temperatures can result in black layers on the tip which make them unwettable and cause early fallout (charred flux, oxidized tin, tin-iron-fusion). Thus, new materials like lead free alloys demand new tools.

Requirements on Hand-Operated Solder Tools

Due to higher melting points, working with lead free solder requires:

- Tools with better thermal conductivity, to bring the heat lossless to the tip of the iron.
- Optimised tip selection. More short and thick tips are preferable to transfer the needed heat into the solder joint without increasing the process temperature. Thermal stress on components and PCBs are reduced and the solder tip is prevented from damage (lifetime, wettability).
- Cost reduction of wear parts.



Order No.: 005 15 124 99
WDC Dry Cleaner

Hints for Soldering

- Select the working temperature as low as possible.
- Make sure to realize an extensive heat transmission between tip and solder joint thru a well wetted tip.
- Soldering in an inert gas environment increases the flow behaviour and reduces the need of flux; don't use more flux as needed.
- Work with soldering tools that offer high power and a perfect thermal transfer.
- Use an intelligent soldering station with optimised temperature control and setback function to reduce the tip temperature in case of no use.
- Preheat the boards with heating plates before repairing to reduce the soldering time.
- It is recommendable to make sufficient tests and to set-up a detailed flow chart in which steps the changeover to lead free era takes place.
- Clean the tip with the Weller WDC Dry Cleaner.
- Add sufficient tin to the tip before placing the iron into the stand.
- Unwettable tips are reactivated with Weller Tip-Activator.
- Apply as less force as possible onto the tip.
- Black layers of oxidized tips can be softly removed with steel or aluminium wool.

Microprocessor-controlled Soldering
WD 1 / WD 1000 / WD 2

The microprocessor-controlled soldering station WD 1 / WD 1000 is part of a generation of devices which were developed for industrial production technology, including repair and laboratory areas.

The microprocessor-controlled soldering station WD 2 has dual ports. A modern ergonomic design is characteristic for these new Weller stations.





Operation simplicity

- The big LCD display gives clear information and allows simple handling.
- Three fixed temperatures can be assigned with the temperature buttons. You can set the temperatures value as desired.
- The antistatic design of the safety rest of the WD 1000 has got four different settings.
- You can extend the functional diversity of this unit with a USB interface for ISO application for calibration, configuration and precise measured values.

Functionality

The following settings are possible without any accessory unit: custom-designed calibration function, programmable temperature decrease (setback), interlock functions and remote ID for ISO applications.

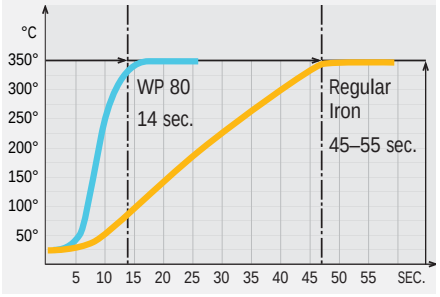
Quality standard

The manufacturing is based at strictest quality requirements, those guarantee a perfect function of the equipment. Various potential balancing options and an antistatic design of the control unit and soldering tools add to the high quality standard.





Heating-up time



Automatic tool recognition

The soldering tools themselves are recognised automatically by the new Weller stations and the corresponding control parameter assigned. This means that recalibration can usually be avoided.

Additional function of WD 2

The WD 2 has the ability to control two 80 W soldering irons at the same time or one soldering iron of 150 W.

Temperature accuracy

- Top temperature accuracy and optimised, dynamic temperature behaviour when under stress is achieved by fast and precise measured value recording in the closed control loop.
- Digital control electronics and high-quality sensor and heat transmission technology in the soldering tool guarantee precise temperature control behaviour at the soldering tip.



Control unit WD 1

Technical data WD 1

Dimensions:	134 x 108 x 147 mm (l x w x h)
Mains voltage:	230 V / 50 Hz
Power input:	95 W
Protection class:	I (control unit)
Temperature control:	150°F – 850°F (50°C – 450°C)
Temperature accuracy:	±17°F (± 9°C)
Temperature stability:	±9°F (± 5°C)
Leak resistance of soldering tip:	< 2 Ω
(Tip to ground)	
Leak voltage of soldering tip:	< 2 mV
(Tip to ground)	



Scope of supply WD 1

- **005 34 006 99 WD 1 Control unit 80 W, 230 V**
- **Mains cable**
- **Operation instruction**
- **Safety information**
- **Potential balance plug**

Performace by Design



Accessories WD 1 / WD 1000:

005 33 131 99	MPR 80 Soldering iron set
005 33 113 99	LR 82 Soldering iron set
005 29 179 99	WMP Soldering iron set
005 33 133 99	WTA 50 Desoldering set
005 27 028 99	WHP 80 Pre-heating plate
WPHT	WPHT Switching holder (WMP)
WPH 81 T	WPH 81 T switching holder (WP 80)
005 31 185 99	USB Extension module

Scope of supply WD 1000 Soldering Station

- **005 34 026 99 WD 1000**

  consists of:
- **005 34 006 99 WD 1 Control unit 80 W, 230 V**
- **005 29 180 99 WP 80 Soldering iron with soldering tip LT B**
  The new WP 80 persuades with its short tip-to-grip design, being of big advantage for work under microscopes. The distance from grip to the tip is only 40 mm.
- **005 15 121 99 WDH 10 Comfort safety rest**
  The antistatic design of the comfort safety rest has got four different settings. The funnel insert for the soldering iron can be moved to an ergonomically favourable position without the use of tools. Areas have been provided on the rear side for depositing the soldering tip. The pedestal plate of the rest contains a sponge insert for cleaning the soldering tips.
- **Mains cable**
- **Operation instruction**
- **Safety information**
- **Potential balance plug**

Dual output control unit WD 2

Technical data WD 2 Dual output soldering station

Dimensions:	134 x 108 x 147 mm (l x w x h)
Mains voltage:	230 V / 50 Hz
Power input:	160 W
Protection class:	I (control unit)
Temperature control:	150°F – 850°F (50°C – 450°C)
Temperature accuracy:	±17°F (± 9°C)
Temperature stability:	±9°F (± 5°C)
Leak resistance of soldering tip:	< 2 Ω
(Tip to ground)	
Leak voltage of soldering tip:	< 2 mV
(Tip to ground)	



Scope of supply WD 2

- **005 34 046 99 WD 2 Dual output control unit 160 W, 230 V**
- **Mains cable**
- **Operation instruction**
- **Safety information**
- **Potential balance plug**

New Dimension in Hand Soldering

Accessories WD 2

005 29 181 99	WP 80 Soldering iron set
005 33 131 99	MPR 80 Soldering iron set
005 33 113 99	LR 82 Soldering iron set
005 33 135 99	WSP 150 Soldering iron set
005 29 179 99	WMP Soldering iron set
005 33 133 99	WTA 50 Desoldering set
005 27 028 99	WHP 80 Pre-heating plate
WPHT	WPHT Switching holder (WMP)
005 15 144 99	WPH 81T Switching holder (WP 80)
005 27 040 99	WSB 80 Solder bath
005 27 042 99	WSB 150 Solder bath
005 31 185 99	USB Extension module



WMP Soldering iron set

Multifunction soldering stations WD 1M and WD 2M with High Speed Regulation for Micro soldering tools





The Weller WD 1M and WD 2M Multifunction devices are designed for special soldering tasks in the industrial manufacturing and repair service. The WD 2M control unit has dual outputs. The USB interface allows various ISO applications and the control of the station via external PC.

High Speed Regulation

Characteristic for the electronic soldering stations WD 1M and WD 2M is the additionally included High Speed Regulation. The High Speed Regulation enables the use of the micro tools WMRP and WMRT. In addition further Weller standard tools are applicable.

Operation simplicity

- The big LCD display allows clear information and simple handling.
- Three fixed temperatures can be assigned with the temperature buttons. You can set the temperature value as desired.

Functionality

The following settings are possible without any accessory unit: custom-designed calibration function, programmable temperature decrease (setback), interlock functions and remote ID for ISO applications.



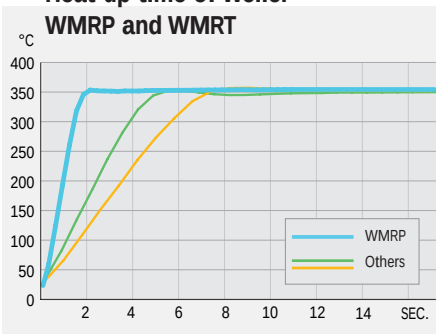


USB interface in series

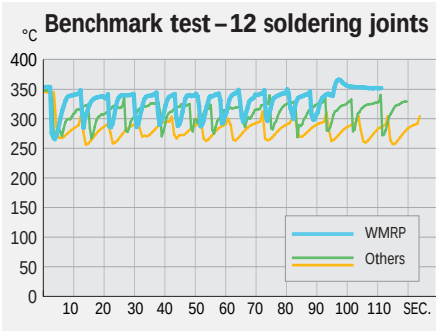
- The devices are in series equipped with a USB interface. The USB Interface allows exact data logging and various ISO applications.
- There is the possibility of control of the station via external PC.
- The software is available free of charge.



Heat-up time of Weller WMRP and WMRT



Benchmark test – 12 soldering joints



Automatic tool recognition

The soldering tools themselves are recognised automatically by the WD 1M and WD 2M stations and the corresponding control parameter assigned. This means that recalibration can usually be avoided.

Additional function of WD 2M

A simultaneous use of 2 soldering tools up to 80 Watt is possible with the WD 2M. When using a soldering tool with 150W, the second channel will automatically be switched OFF.



Control unit WD 1M



Technical data WD 1M

Dimensions:	134 x 108 x 147 mm (l x w x h)
Mains voltage:	230 V / 50 Hz
Power input:	95 W
Protection class:	I (control unit)
Temperature control:	150°F – 850°F (50°C – 450°C)
Temperature accuracy:	±17°F (± 9°C)
Temperature stability:	±9°F (± 5°C)
Leak resistance of soldering tip:	< 2 Ω
(Tip to ground)	
Leak voltage of soldering tip:	< 2 mV
(Tip to ground)	
potential-free plug (factory set hard grounded)	

Scope of supply WD 1M

- **005 34 066 99** **WD 1M Control unit 80 W, 230 V for Micro soldering iron WMRP und Micro desoldering tweezers WMRT with USB-interface**
- **Mains cable**
- **Operation instruction**
- **Safety information**
- **Potential balance plug**
- **USB cord**
- **Software CD**

Soldering tools have to be ordered separately

Performace by Design

Scope of supply WD 1000M Soldering Station

- **005 34 086 99** **WD 1000M consits of:**
- **005 34 066 99** **WD 1M Control unit**
- **005 29 171 99** **WMRP Soldering pencil without tip**
- **005 15 145 99** **WMRH Safety rest**
- **005 44 603 99** **RT 3 soldering tip (see page 12)**





Dual output control unit WD 2M



Technical data WD 2M

Dimensions:	134 x 108 x 147 mm (l x w x h)
Mains voltage:	230 V / 50/60 Hz
Power input:	160 W
Protection class:	I (control unit), III (soldering iron)
Temperature control:	150°F – 850°F (50°C – 450°C)
Temperature accuracy:	±17°F (± 9°C)
Temperature stability:	±9°F (± 5°C)
Leak resistance of soldering tip:	< 2 Ω
(Tip to ground)	
Leak voltage of soldering tip:	< 2 mV
(Tip to ground)	
potential-free plug (factory set hard grounded)	

Scope of supply WD 2M

- **005 34 106 99** **WD 2M, 2 Channel Power Unit digital 160 W, 230 V for Micro soldering iron WMRP und Micro desoldering tweezers WMRT with USB-interface**
- **Mains cable**
- **Potential balance plug**
- **Operation instruction**
- **Safety information**
- **USB cord**
- **Software CD**

Soldering Tools to be ordered separately



New Dimension in Hand Soldering

WMRP soldering set with
RT 3 soldering tip and
WMRH Stop+Go stand



WMRT Micro Desoldering Tweezers





WMRTH rest
with stop and go function

Purchase Order Proposal: WD 2M power unit

005 29 183 99	WMRP soldering set with
	RT 3 soldering tip and
	WMRH Stop+Go stand
	or
005 13 173 99	WMRT micro tweezers with WMRTH
	Stop+Go stand tip set RTW 2

RT soldering tips for WMRP soldering pencil

The RT soldering tips have an extremely short heat-up time (2 – 6 Sec). All component parts of the system, such as the sensor and heating element, are designed for optimum heat transfer. This ensures absolute efficiency in the utilization of the power provided by the supply unit. The recovery time is minimized. Changing soldering tips is quick, easy, and most importantly, requires no tools.



Order No. WMRH:
005 15 145 99
safety rest



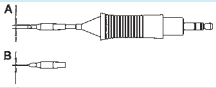
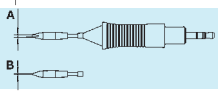
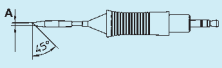
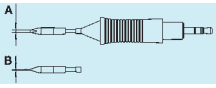
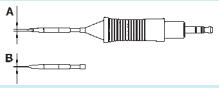
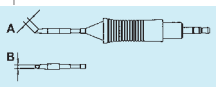
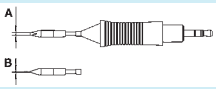
Order No. RT3:
005 44 603 99
RT3 soldering tip



Order No. WMRP:
005 29 171 99
soldering pencil without tip



The soldering tips of the RT-series are suitable for microrepair tasks under microscopes or soldering works with lead free solder, where a fast heat transfer is required. Changing soldering tips is quick, easy and most importantly, requires no tools. Just pull out the old one, push in the new one and continue soldering. Thanks to its short heat-up time, the soldering pencil is ready to use again right away!

	Model	Description	Width A	Thickness B	Order No.
	RT 1	Needle tip	–	–	005 44 601 99
	RT 2	Point tip	Ø 0,4 mm	–	005 44 602 99
	RT 3	Chisel shape, straight	1,3 mm	0,4 mm	005 44 603 99
	RT 4	Chisel shape, straight	1,5 mm	0,4 mm	005 44 604 99
	RT 5	Chisel shape, bent, 30°	0,8 mm	0,4 mm	005 44 605 99
	RT 6	Round shape, beveled, 45°	Ø 1,2 mm	–	005 44 606 99
	RT 7	Knife tip, 45°	2,2 mm	–	005 44 607 99
	RT 8	Chisel shape	2,2 mm	0,4 mm	005 44 608 99
	RT 9	Chisel shape	Ø 0,8 mm	0,4 mm	005 44 609 99
	RT 10	Gull wing	1,2 mm	2,0 mm	005 44 610 99
	RT 11	Chisel shape	3,6 mm	0,9 mm	005 44 611 99

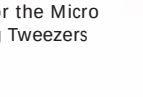
WMRT Micro Desoldering Tweezers for WD 1M, WD 2M

The new WMRT desoldering tweezers enable with their twin parallel adjusted tiplets a significant precise de- and soldering of very small SMD components. The high speed regulation of the stations WD 1M, WD 2M drives these tweezers. Placed in the rest WMRTH the tips are automatically switched off for increasing endurance.

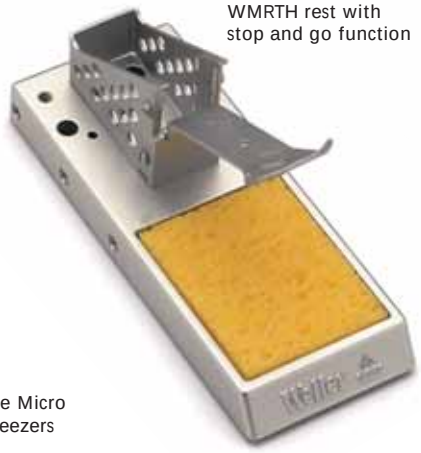
Order No. 005 13 174 99
WMRT Micro Desoldering Tweezers without RTW2 Tip



Order No. 005 44 652 99
RTW2 tip for the Micro Desoldering Tweezers



Order No. 005 15 146 99
WMRTH rest with stop and go function

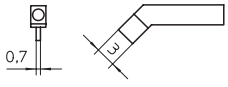
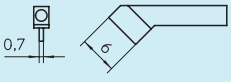


RTW2 tip for the Micro Desoldering Tweezers

Scope of supply WMRT

- **005 13 173 99** **WMRT**
  consists of:
- **005 13 174 99** **WMRT micro tweezers without Tip set**
- **005 44 652 99** **RTW 2 Tip set**
- **005 15 146 99** **WMRTH Stop+Go stand for WMRT**

Plug-in adjusted Soldering Tip Set for WMRT Stop and Go stand

	Model	Description	Dimensions		Order No.
	RTW 1	Tip set	Ø 0,4 mm	45°	005 44 651 99
	RTW 2	Tip set	0,7 x 0,4 mm	45°	005 44 652 99
	RTW 3	Tip set	3 x 1,0 mm	45°	005 44 653 99
	RTW 4	Tip set	6 x 1,0 mm	45°	005 44 654 99

Weller flexibility

Refer to the matrix on page 16 to make your choice of connecting tools for the stations.

LR 82 Antistatic soldering iron

LR 82 set	consists of:		
005 33 113 99	005 26 152 99	LR 82	Soldering iron 80 W, 24 V with soldering tip HT 2
	005 15 027 99	KH 27	Safety rest



An 80 W/24 V soldering iron for high mass soldering. Dual sensor, electronically temperature controlled. LR 82 set, consisting of LR 82 Antistatic soldering iron, KH 27 Support for iron.

WP 80 Micro soldering pencil

WP 80 set	consists of:		
005 29 181 99	005 29 180 99	WP 80	Soldering Iron 80 W, 24 V with soldering tip LT B and barrel short
	005 15 121 99	WDH 10	Comfort safety rest with 4 step varying inclination



The new WP 80 persuades with its short tip-to-grip design, being of big advantage for work under microscopes. The distance from grip to the tip is only 40 mm. (The suitable LT sodering tips on page 17 – 19). WP 80 set, consisting of WP 80 soldering pencil and WDH 10 Support.

WSP 150 Soldering iron

WSP 150 set	consists of:		
005 33 135 99	005 29 170 99	WSP 150	Soldering iron 150 W, 24 V with soldering tip LHT F
	005 15 027 99	KH 27	Safety rest



The WSP 150, 150 W/24 V, soldering iron was specially developed for soldering tasks with extremely high heat requirements. The 150 W heater power combined with optimal transfer of heat to the soldering iron bit guarantee the high performance capability of the soldering iron. WSP 150 set, consisting of WSP 150 Soldering iron, KH 27 Support for iron.

MPR 80 Antistatic Peritronic soldering pencil

MPR 80 set	consists of:		
005 33 131 99	005 29 163 99	MPR 80	Soldering iron 80 W, 24 V Peritronic with soldering tip LT B
	005 15 033 99	KH 25P	Safety rest



An 80 W Antistatic Peritronic soldering pencil that gives all-round vision when making intricate connections. Antistatic cord and handle. Electronically temperature controlled. Consists of MPR 80 Antistatic and KH 25P Support.

WMP Micro soldering pencil

WMP set	consists of:		
005 29 179 99	WMP	WMP	Micro Soldering Iron 65 W, 24 V with soldering tip NT 1
	005 15 122 99	WDH 20	Comfort safety rest



The 65 W micro pencil is up to the task with superior performance for both heat-up and thermal efficiency. Suitable to handle all micro components and fine pitch tasks. The WMP provides an extremely short tip-to-grip distance. The heater is integrated into the handle. When the tip wear out the heating element goes on. WMP set consisting of WMP micro soldering pencil and WPHM holder for WMP.

WMRP soldering pencil for RT soldering tips

WMRP set	consists of:		
005 29 183 99	005 29 171 99	WMRP	Soldering pencil for RT soldering tips
	005 15 145 99	WMRH	rest with stop+go function
	005 44 603 99	RT3	RT3 soldering tip 40 W



The RT soldering tips have an extremely short heat-up time. All component parts of the system, such as the sensor and heating element, are designed for optimum heat transfer. This ensures absolute efficiency in the utilization of the power provided by the supply unit. The recovery time is minimized. Changing soldering tips is quick, easy, and, most importantly, requires no tools. WMRP set, consisting of WMRP soldering pencil, RT 3 soldering tip and WMRH Safety rest.

WST 20 Thermal wire stripper with support

WST 20
005 25 030 99



The WST 20, 50 W/24 V, copes with all known thermoelastic plastics. Adjustable for a stripping length of up to 30 mm. Additional blades available for stripping flat cables and shrinking.

WST 82 Thermal wire stripper with support

WST 82
005 25 031 99

The WST 82 is the 80 W equipment of the WST 20. Adjustable for a stripping length up to 30 mm. Additional blades available for stripping flat cables and shrinking.

WTA 50 Tweezers

WTA 50
005 33 133 99



These tweezers are used to desolder SMD components. The tweezers have two moveable heating elements. WTA 50 set, consisting of WTA 50 Tweezers, AK 51 Support for Tweezers.

WSB 80 Solder bath

WSB 80
005 27 040 99



The WSB 80 is a very useful rework preparation tool. The solder bath is temperature controlled continuously from 50˚C to 450˚C via an existing 80 W power source. The solder bath can be used to tin wire ends and clean leads of all extraneous solder particles in preparation for reworking. (Usable for lead free solder.)

WHP 80 (80 W/24 V) Preheating plate

WHP 80
005 27 028 99



With a heating surface of 80 x 50 mm, it preheats IC boards prior to micro rework.

WSB 150 Solder bath

WSB 150
005 27 042 99



The WSB 150 solder bath is optimally suited to tin coating and preparation of soldering components. It has a temperature range of 50°C–550°C with heat output of 150 W, making the WSB solder bath an ideal accessory to the Weller WSD 150 soldering station. To guard against dripping solder residue, the solder bath is placed in a V2A tray, supplied as an optional extra. (Usable for lead free solder.)

Survey

Refer to the matrix to make your choice of connecting tools to the stations.

Tool	Station	standard tip	 WD 1000	 WD 1	 WD 2	 WD 1M	 WD 2M
	WP 80	LTB	■	■	■	■	■
	WMRP Soldering pencil for RT soldering tips	RT3				■	■
	WMRT Micro Desoldering Tweezers	RTW2				■	■
	WMP Micro soldering pencil	NT1	■	■	■	■	■
	MPR 80 Antistatic peritronic soldering pencil	LTB	■	■	■	■	■
	LR 82 Soldering iron	HT2	■	■	■	■	■
	WSP 150 Soldering iron	LHTF			■		■
	WTA 50 Tweezers	WTA1	■	■	■	■	■
	WST 20 Thermal wire stripper with support		■	■	■	■	■
	WHP 80 Preheating plate		■	■	■	■	■
	WSB 80 Solder bath		■	■	■	■	■
	WSB 150 Solder bath				■		■
	FE 80 Soldering iron	HT2	■	■	■	■	■
	FE 75 Soldering iron set	LTB	■	■	■	■	■

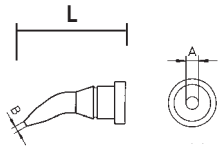
LT Soldering Tips

Soldering Tips for WP 80, WSP 80, FE 75 and MPR 80

Model	Description	Width A	Thickness B	max. Length L	Order No.
	Chisel				
LT H	Chisel	0,8 mm	0,4 mm	13,5 mm	005 44 437 99
LT A	Chisel	1,6 mm	0,7 mm	13,5 mm	005 44 403 00
LT B	Chisel	2,4 mm	0,8 mm	13,5 mm	005 44 405 00
LT C	Chisel	3,2 mm	0,8 mm	13,5 mm	005 44 407 00
LT D	Chisel	4,6 mm	0,8 mm	13,5 mm	005 44 409 00
	Chisel long				
LT K	Chisel long	1,2 mm	0,4 mm	21,0 mm	005 44 413 00
LT L	Chisel long	2,0 mm	1,0 mm	21,0 mm	005 44 414 00
LT M	Chisel long	3,2 mm	1,2 mm	21,0 mm	005 44 415 00
	Chisel bent 30°				
LT HX	Chisel bent 30°	0,8 mm	0,4 mm	18,0 mm	005 44 420 99
LT ALX	Chisel bent 30°	1,6 mm	0,7 mm	18,0 mm	005 44 443 00
LT BX	Chisel bent 30°	2,4 mm	0,8 mm	18,0 mm	005 44 442 00
	Chisel bent 30°				
LT AX	Chisel bent 30°	1,6 mm	0,8 mm	13,5 mm	005 44 427 00
	Round slim				
LT 1S	Round slim	Ø 0,2 mm		15,0 mm	005 44 436 99
LT 1SA	Round slim	Ø 0,5 mm		16,0 mm	005 44 488 99
	Round				
LT 1	Round	Ø 0,25 mm		14,0 mm	005 44 435 99
LT 1A	Round	Ø 0,5 mm		14,0 mm	005 44 489 99
LT AS	Round	Ø 1,6 mm		13,5 mm	005 44 404 00
LT CS	Round	Ø 3,2 mm		13,5 mm	005 44 411 00
	Round slim bent 30°				
LT 1SLX	Round slim bent 30°	Ø 2,0 mm	Ø 0,4 mm	20,5 mm	005 44 426 99

LT Soldering Tips

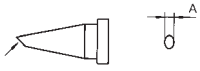
Soldering Tips for WP 80, WSP 80, FE 75 and MPR 80



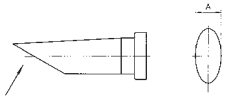
Model	Description	Width A	Thickness B	max. Length L	Order No.
Round bent 30°					
LT 4X	Round bent 30°	Ø 1,2 mm	0,4 mm	16,5 mm	005 44 428 00
LT 1X	Round bent 30°	Ø 0,4 mm		12,5 mm	005 44 425 99



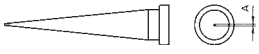
Round sloped 45° slim					
LT 4	Round sloped 45° slim	Ø 1,2 mm		15,0 mm	005 44 421 00



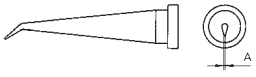
Round sloped 45°					
LT F	Round sloped 45°	Ø 1,2 mm		13,5 mm	005 44 408 00



Round sloped 45° long					
LT BB	Round sloped 45° long	2,4 mm	4,0 mm	18,0 mm	005 44 444 00
LT CC	Round sloped 45° long	3,2 mm	6,0 mm	18,0 mm	005 44 445 00



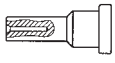
Concial long					
LT 1L	Concial long	Ø 0,2 mm		26,4 mm	005 44 423 99
LT S	Concial long	Ø 0,4 mm		21,0 mm	005 44 406 99



Conical long bent					
LT 1LX	Conical long bent	Ø 0,2 mm		26,4 mm	005 44 424 99



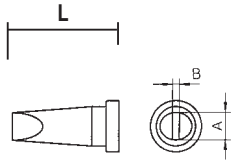
Gull wing 45°					
LT GW	Gull wing 45°	Ø 2,3 mm	3,2 mm	18,8 mm	005 44 410 00



Measuring tip					
LT Measuring tip for thermo element		Ø 0,5 mm		13,0 mm	005 44 416 00

Screw in tip					
LT Screw in tip with M4 outside thread				8,0 mm	005 44 449 99

Soldering Tips for high melting solder WP 80, WSP 80, FE 75 and MPR 80



Model	Description	Width A	Thickness B	max. Length L	Order No.
Chisel					
LT HHPB	Chisel•	0,8 mm	0,4 mm	13,5 mm	005 44 430 99
LT AHPB	Chisel•	1,6 mm	0,7 mm	13,5 mm	005 44 431 99
LT BHPB	Chisel•	2,4 mm	0,8 mm	13,5 mm	005 44 432 99
LT DHPB	Chisel•	4,6 mm	0,8 mm	13,5 mm	005 44 483 00

• HPB solder = solder with high consumption of lead for special high melting applications

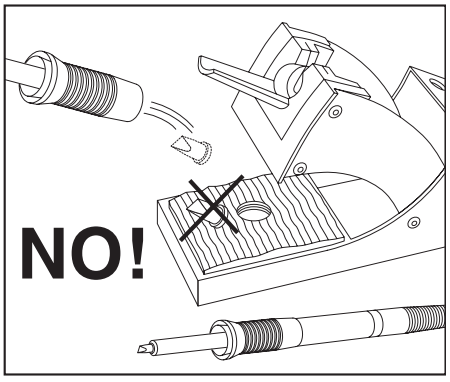
Barrel for soldering iron WP 80 for quick exchange of hot soldering tips

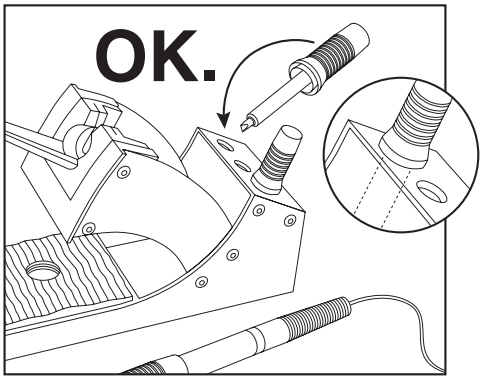
Order No.: 005 87 448 46
barrel long 55 mm



Order No.: 005 87 448 45
barrel short 40 mm





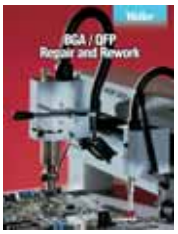




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