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Survey

Available Sales Literature


	Description	Order No.
	Weller SL Soldering Stations, 6 Pages	(D) 005 56 620 01 (GB) 005 56 621 01 (F) 005 56 622 00 (I) 005 56 623 00
	Weller WSL / WMP Soldering Iron "Tip to Grip", 6 Pages	(D) 005 56 826 00 (GB) 005 56 825 00 (F) 005 56 823 00 (I) 005 56 824 00
	Weller Hot Air Stations, 20 Pages	(D) 005 56 061 03 (GB) 005 56 062 03 (F) 005 56 063 03
	Weller Desoldering Stations, 24 Pages	(D) 005 56 615 00 (GB) 005 56 616 00 (F) 005 56 617 00 (I) 005 56 618 00
	Weller BGA / QFP Rework, 14 Pages	(D) 005 56 339 02 (GB) 005 56 342 02 (F) 005 56 340 01
	Weller Zero-Smog Fume Extraction, 20 Pages	(D) 005 56 170 03 (GB) 005 56 171 03 (F) 005 56 172 03 (I) 005 56 174 03
	Weller Pyropen Brochure, 4 Pages	(D) 005 56 008 01 (GB) 005 56 009 01 (F) 005 56 010 02 (I) 005 56 011 01

























































All sales literature available as PDF files on
www.cooperhandtools.com/europe/sales-literature/index.htm

Surveys

Function of Soldering, Hot Air and Desoldering Stations

 connectable

 scope of delivery

	Model	Soldering			Desoldering	Hot Air	
		50 W	80 W	150 W	80 W	100 W	700 W
None	 WS 51 p. 54						
	 WS 81 p. 54						
	 WSD 81 / WSL p. 55						
	 WSD 161 / WSL 2 p. 56 + 57						
	 WSD 151 p. 57						
External Supply Compressed Air / Inert Gas	 WAD 101 p. 84						
	 WDD 81V/VIL p. 94						
	 WDD 161V p. 95						
	 WHA 3000V p. 86						
	 WMA 3V p. 84						
Self contained Pump / Turbine	 WHA 3000P p. 87						
	 WMD 1A p. 85						
	 WMD 1D p. 95						
	 WMD 3K p. 85 + 96						

Surveys

Tools

Tool	Station	PUD 81R p. 59	WAD 101 p. 84	WDD 81V p. 94	WDD 161V p. 95	WMA 3V p. 84	WMD 1S p. 85+95	WMD 3 p. 85+96	WS 51 p. 54	WS 81 p. 54	WSD 81 p. 55	WSD 151 p. 57	WSD 161 p. 56	WSL p. 55	WSL 2 p. 57	WTCP 51 p. 59
Dispenser																
DSX 80 p. 98																
DSXV 80 p. 98																
FE 25																
FE 50 p. 110																
FE 50M p. 110																
FE 75 p. 110																
FE 80 p. 110																
HAP 1 p. 88																
LR 21 p. 61																
LR 82 p. 68																
MLR 21 p. 60																
MLR 21FE																
MPR 80 p. 65																
TCP S p. 77																
Vac. tweezer																
WHP 80 p. 122																
WMP p. 63																
WSB 80 p. 124																
WSB 150 p. 124																
WSP 80 / FE p. 85+110																
WSP 150 p. 70																
WST 20 p. 125																
WTA 50 p. 72																

Surveys

Safety Rests

Tool	Safety Rest	Att. Kit WSFP FE p. 86	Combi Supp. 2x	AK 1 p. 130	AK 10 p. 130	AK 20 p. 130	AK 21 p. 130	AK 51 p. 130	AKV p. 131	AKS p. 130	KH 4 p. 131	KH 6 p. 131	KH 15 p. 131	KH 20 p. 131	KH 23 p. 131	KH 25P p. 131	KH 27 p. 132	KHP p. 112+132	KHE p. 112+132	KHE/P p. 112+132	KHE 21	KHP 21	KHE/P21	WPH 80 p. 133	WPHIM p. 133	WPHT p. 133	
DS 80				■		■																					
DS 80UNC				■		■																					
DSV 80									■																		
DSV 80UNC									■																		
DSVT 80									■																		
DSX 80 p. 98				■		■																					
DSXV 80 p. 98									■																		
FE 25							■								■	1)			■	■	■						
FE 50 p. 110				■		■									■	1)			■	■	■						
FE 50M p. 110				■		■									■	1)			■	■	■						
FE 75 p. 110						■									■	1)			■	■	■						
FE 80 p. 110				■		■									■	1)			■	■	■						
HAP 1 p. 88				■		■											■										
HAP 2					■																						
HAP 3					■																						
LR 21 p. 61				■		■								■					■	■	■						
LR 82 p. 68				■		■											■		■	■	■						
MLR 21 p. 60							■						■			■			■	■	■						
MLR 21FE							■									■			■	■	■						
MLR 80																						■			■		
MPR 80							■									■											
MT 1500							■									■											
MT 1500FE							■									■											
TCPS p. 77				■		■								■													
Vac. tweezer		■																									
W 61 p. 80				■							■																
W 101 p. 81				■								■															
WMP p. 63																									■		■
WSFP 5/8		■								■																	
WSP 80/FE p.85+110																									■		
WSP 150 p. 70				■													■	1)									
WTA 50 p. 72								■																			

1) with special funnel

Soldering Stations

Electronically Controlled Soldering Stations

The Weller Silver Line Series has been developed for electronic experts. The tip temperature is electronically controlled. The maximum temperature is 450°C (WSD 151 550°C) within a tolerance of +- 2%. With the antistatic properties of the power unit and the soldering iron the stations meet all current requirements of ESD safety. Potential balance of the soldering tip can be effected by a plug. All electronically controlled Weller tools can be connected up to the maximum power of the according station. The automatic tool recognition provides the optimal settings of the tools.

Order No.	Model	Description
005 32 306 99	WS 51	Soldering station analog 50 W, 230 V <ul style="list-style-type: none"> • Analog controlled electronic for soldering tools up to 50 W • Temperature range 150°C - 450°C • Temperature control via rotary potentiometer • Protection class 1 • Antistatic housing • Equipotential bonding (normal state hard grounded) • Automatic tool recognition • Dimensions: 166 x 115 x 101 mm (L x W x H)
consists of: 005 32 326 99 PU 51 005 25 106 99 LR 21 005 15 020 99 KH 20		Control unit Soldering iron 50 W, 24 V with soldering tip ET B Safety rest
005 32 324 99	PU 51	Control unit switchable 50 W, 120 V / 240 V, with US plug



Soldering Tips: see page 61
Spare parts: see page 155

Order No.	Model	Description
005 32 506 99	WS 81	Soldering station analog 80 W, 230 V, with 80 W Silver Line soldering iron <ul style="list-style-type: none"> • Analog controlled electronic for soldering tools up to 80 W • Temperature range 150°C - 450°C • Temperature control via rotary potentiometer • Protection class 1 • Antistatic housing • Equipotential bonding (normal state hard grounded) • Automatic tool recognition • Dimensions: 166 x 115 x 101 mm (L x W x H)
consists of: 005 32 526 99 PU 81 005 29 161 99 WSP 80 005 15 140 99 WPH 80		Control unit Soldering iron 80 W, 24 V with soldering tip LT B Safety rest
005 32 524 99	PU 81	Control unit switchable 80 W, 120 V / 240 V, with US plug



Soldering Tips: see page 66 / 67
Spare parts: see page 156

Soldering Stations

Electronically Controlled Soldering Stations



Soldering Tips: see page 66 / 67
Spare parts: see page 158

Order No.	Model
005 32 606 99	WSD 81

Description

Soldering station digital 80 W, 230 V, with 80 W Silver Line soldering iron

- Digital controlled electronic for soldering tools up to 80 W
- Temperature range 50°C - 450°C
- Temperature control via buttons
- 3-position digital display
- Calibration box WCB 2 (see page 121) may be connected for CALIBRATION, LOCK OUT or OFFSET function
- Key switch
- Protection class 1
- Antistatic housing
- Equipotential bonding (normal state hard grounded)
- Automatic tool recognition
- Dimensions: 166 x 115 x 101 mm (L x W x H)

consists of:

005 32 626 99	PUD 81
005 29 161 99	WSP 80
005 15 140 99	WPH 80

Control unit
Soldering iron 80 W, 24 V with soldering tip LT B
Safety rest

005 32 624 99	PUD 81
---------------	--------

Control unit switchable 80 W, 120 V / 240 V, with US plug



Soldering Tips: see page 63 / 64

Order No.	Model
005 32 826 99	WSL

Description

Soldering station digital 80 W, 230 V, with ergonomic "Tip to Grip" soldering iron

- 65 W Ergonomical "Tip to Grip" soldering iron with integrated heating element
- Digital controlled electronic for soldering tools up to 80 W
- Temperature range 50°C - 450°C
- Temperature control via buttons
- 3-position digital display
- Calibration box WCB 2 (see page 121) may be connected for CALIBRATION, LOCK OUT or OFFSET function
- Protection class 1
- Antistatic housing
- Equipotential bonding (normal state hard grounded)
- Automatic tool recognition
- Dimensions: 166 x 115 x 101 mm (L x W x H)

consists of:

	WSL
WMP	WMP
WPHM	WPHM

Control unit
Soldering iron 65 W, 24 V with soldering tip NT 1
Safety rest

005 32 624 99	PUD 81
---------------	--------

Control unit switchable 80 W, 120 V / 240 V, with US plug

Soldering Stations

Electronically Controlled Soldering Stations

Order No.	Model	Description
005 32 866 99	WSLT	Soldering station digital 80 W, 230 V, with ergonomic "Tip to Grip" soldering iron and safety rest with Stop + Go function <ul style="list-style-type: none"> • WPHT Safety rest for Stop + Go function and temperature set back • 65 W Ergonomical "Tip to Grip" soldering iron with integrated heating element • Digital controlled electronic for soldering tools up to 80 W • Temperature range 50°C - 450°C • Temperature control via buttons • 3-position digital display • Calibration box WCB 2 (see page 121) may be connected for CALIBRATION, LOCK OUT or OFFSET function • Protection class 1 • Antistatic housing • Equipotential bonding (normal state hard grounded) • Automatic tool recognition • Dimensions: 166 x 115 x 101 mm (L x W x H)
consists of:		
	WSL	Control unit
	WMP	Soldering iron 65 W, 24 V with soldering tip NT 1
	WPHT	Safety rest Stop + Go



Soldering Tips: see page 63 / 66

005 32 624 99	PUD 81	Control unit switchable 80 W, 120 V / 240 V, with US plug
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Order No.	Model	Description
005 32 706 99	WSD 161	Dual output soldering station digital 2 x 80 W, 230 V <ul style="list-style-type: none"> • 2 x 80 W soldering iron WSP 80 • Digital controlled electronic for soldering tools up to 150 W • Temperature range 50°C - 450°C • Temperature control via buttons • 3-position digital display • Calibration box WCB 2 (see page 121) may be connected for CALIBRATION, LOCK OUT or OFFSET function • Protection class 1 • Antistatic housing • Equipotential bonding (normal state hard grounded) • Automatic tool recognition • Dimensions: 166 x 115 x 101 mm (L x W x H)
consists of:		
	005 32 726 99 PUD 161	Control unit
	005 29 161 99 WSP 80	2 x soldering iron 80 W, 24 V with soldering tip LT B
	005 15 140 99 WPH 80	2 x safety rest



Soldering Tips: see page 66 / 67
Spare parts: see page 161

005 32 724 99	PUD 161	Control unit switchable 2 x 80 W, 120 V / 240 V, with US plug
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Soldering Stations

Electronically Controlled Soldering Stations

Order No.	Model	Description
005 32 846 99	WSL 2	Dual output soldering station digital 2 x 80 W, 230 V, with ergonomic "Tip to Grip" soldering iron <ul style="list-style-type: none"> • 1 x 65 W Ergonomical "Tip to Grip" soldering iron with integrated heating element • 1 x 80 W soldering iron WSP 80 • Digital controlled electronic for soldering tools up to 150 W • Temperature range 50°C - 450°C • Temperature control via buttons • 3-position digital display • Calibration box WCB 2 (see page 121) may be connected for CALIBRATION, LOCK OUT or OFFSET function • Protection class 1 • Antistatic housing • Equipotential bonding (normal state hard grounded) • Automatic tool recognition • Dimensions: 166 x 115 x 101 mm (L x W x H)

Soldering Tips: see page 63 / 64 + 66 / 67
Spare parts: see page 162



consists of:

WSL 2	Control unit
WMP	1 x Soldering iron 65 W, 24 V with soldering tip NT 1
005 29 161 99	1 x soldering iron 80 W, 24 V with soldering tip LT B
WPHM	1 x safety rest for WMP
005 15 140 99	1 x safety rest for WSP 80

005 32 724 99	PUD 161	Control unit switchable 2 x 80 W, 120 V / 240 V, with US plug
---------------	---------	--

Order No.	Model	Description
005 32 766 99	WSD 151	Soldering station digital 150 W, 230 V <ul style="list-style-type: none"> • 150 W soldering iron WSP 150 for high temperature soldering • Digital controlled electronic for soldering tools up to 150 W • Temperature range 50°C - 550°C (automatically limited to 450°C if any other tool than WSP 150 is connected) • Temperature control via buttons • 3-position digital display • Calibration box WCB 2 (see page 121) may be connected for CALIBRATION, LOCK OUT or OFFSET function • Protection class 1 • Antistatic housing • Equipotential bonding (normal state hard grounded) • Automatic tool recognition • Dimensions: 166 x 115 x 101 mm (L x W x H)

Soldering Tips: see page 70
Spare parts: see page 160



consists of:

005 32 786 99	PUD 151	Control unit
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

005 32 784 99	PUD 151	Control unit switchable 150 W, 120 V / 240 V, with US plug
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Soldering Stations

Solder Feeder Systems

The WSF 81D5 will dispense solder wire with a diameter of 0,5 mm to 0,8 mm, the WSF 81D8 will dispense solder wire with a diameter of 0,8 mm to 1,5 mm. By switching over the operating mode and adjusting the heating element on the WSF soldering iron, the operator can switch between automatic (SFA) and continuous (SFC) solder supply at any time. In the operation mode "automatic" (SFA) the preset quantity of solder is fed by the activation of the finger switch (optional: foot switch or external contact). The required amount of solder can be continuously adjusted from 1 - 10 mm. The feed interval is shown digital. In the operation mode "continuous" (SFC) the solder feed is activated for as long as the finger switch (optional: foot switch or external contact) is activated. The speed of the feed rate can be continuously adjusted and is shown digitally. The control unit is fitted with digital electronics for regulating the soldering iron temperature and solder feed operation.



Order No.	Model	Description
005 28 206 99	WSF 81D5	Solder feeder system 80 W, 230 V, for wire \varnothing 0,5 - 0,8 mm <ul style="list-style-type: none"> • Digital controlled electronic • Temperature range 50°C - 450°C • Temperature control via buttons • 3-position digital display • Calibration box WCB 2 (see page 121) may be connected for CALIBRATION, LOCK OUT or OFFSET function • Protection class 1 • Antistatic housing • Equipotential bonding (normal state hard grounded) • Automatic tool recognition • Dimensions: 120 x 217 x 199 mm (L x W x H)

consists of:

Soldering Tips: see page 66 / 67
Spare parts: see page 162

005 28 116 99	WSF 2	Power unit
005 28 121 99	WSFP 5	Feeding unit
005 15 028 99	AKS	Soldering iron 80 W, 24 V for wire \varnothing 0,5 - 0,8 mm with soldering tip LT HX
		Safety rest

Accessory:

005 13 120 99		Foot switch
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Order No.	Model	Description
005 28 226 99	WSF 81D8	Solder feeder system 80 W, 230 V, for wire \varnothing 0,8 - 1,5 mm <ul style="list-style-type: none"> • Digital controlled electronic • Temperature range 50°C - 450°C • Temperature control via buttons • 3-position digital display • Calibration box WCB 2 (see page 121) may be connected for CALIBRATION, LOCK OUT or OFFSET function • Protection class 1 • Antistatic housing • Equipotential bonding (normal state hard grounded) • Automatic tool recognition • Dimensions: 120 x 217 x 199 mm (L x W x H)

consists of:

Soldering Tips: see page 66 / 67
Spare parts: see page 162

005 28 116 99	WSF 2	Power unit
005 28 222 99	WSFP 8	Feeding unit
005 15 028 99	AKS	Soldering iron 80 W, 24 V for wire \varnothing 0,8 - 1,2 mm with soldering tip LT BX
		Safety rest

Accessory:

005 13 120 99		Foot switch
---------------	--	-------------

Soldering Stations

Soldering Stations for Use With Solder Robots

The PUD 81R is suitable for soldering tasks in industrial manufacturing in which the soldering process is to be automated. For this purpose the unit is equipped with a monitoring circuit. As a function of an adjustable temperature window (tolerance band), an un-powered contact is switched to a low impedance. Straightforward, easy operation is made possible by usage of a micro processor. Digital control electronics ensure optimal regulation behaviour with different soldering irons up to 80 W. The soldering irons are automatically recognized by the soldering station and assigned the appropriate control parameters.



Soldering Tips: see page 68
Spare parts: see page 141

Order No.	Model	Description
005 32 646 99	PUD 81R	Soldering station digital 80 W, 230 V, for use with solder robots <ul style="list-style-type: none"> • Digital controlled electronic for soldering tools up to 80 W • Temperature range 50°C - 450°C • Temperature window adjustable +/- 99°C • Temperature control via buttons • 3-position digital display • Calibration box WCB 2 (see page 121) may be connected for CALIBRATION, LOCK OUT or OFFSET function • Protection class 1 • Antistatic housing • Equipotential bonding (normal state hard grounded) • Automatic tool recognition • Potential free contact 24 V / 20 mA • Dimensions: 166 x 115 x 101 mm (L x W x H)

Accessory:
Special heating element for robot soldering see page 68

Ferro Magnetic Controlled Soldering Station (Magnastat)

The Weller Magnastat system operates through a ferro-magnetic device which changes its characteristics when specific temperatures are reached. This causes it to either attract or repel a permanent magnet which operates a power supply switch. In this way power to the heating element can be quickly switched on or off to either provide extra power for soldering operations or reduced power when idling. Various preselected tip temperatures (260°C, 310°C, 370°C, 425°C, 480°C) are available for different soldering tasks. The unit is not suitable for ESD application because the iron is not antistatic.



Soldering Tips: see page 77 - 79
Spare parts: see page 163

Order No.	Model	Description
005 32 206 99	WTCP 51	Soldering station Magnastat 50 W, 230 V <ul style="list-style-type: none"> • On / Off controller • Temperature control variable by soldering tip exchange • Protection class 1 • Antistatic housing • Hard grounded • Dimensions: 166 x 115 x 101 mm (L x W x H)
consists of:		
005 32 226 99	P 51	Control unit 230 V
005 32 105 99	TCPS	Soldering iron 50 W, 24 V with soldering tip PTB 7 (370°C)
005 15 020 99	KH 20	Safety rest
005 32 224 99	P 51	Control unit switchable 50 W, 120 V / 240 V, with US plug

Soldering Irons and Tips





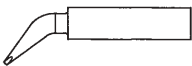
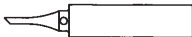


Electronically Controlled Low Voltage Soldering Irons

The Weller soldering irons feature high precision and a very fast heat up time. The ergonomic design and high performance of the soldering irons allow fine soldering jobs as well as heavy duty tasks. A wide range of soldering tips makes them versatile for almost every job.



Order No.	Model	Description
005 29 101 99	MLR 21	Micro soldering iron 25 W, 24 V, with soldering tip MT H
005 15 019 99	KH 15	Safety rest

Soldering tips for MLR 21

	Order No.	Model	Description	Width A	Length B
	005 44 105 99	MT 1S	Longform conical	ø 0,25 mm	-
	005 44 101 99	MT 1	Micropoint	0,25 mm	1,6 mm
	005 44 106 99	MT 6	Chisel slim	1,6 mm	0,4 mm
	005 44 112 99	MT H	Chisel	0,8 mm	0,4 mm
	005 44 110 99	MT A	Chisel	1,2 mm	0,4 mm
	005 44 111 99	MT B	Chisel	2,4 mm	0,4 mm
	005 44 113 99	MT HX	Chisel bent 45°	0,8 mm	0,4 mm
	005 44 104 99	MT 4	Sloped	ø 1,2 mm	
	005 44 119 99	MT GW	Gull wing	ø 2,0 mm	
	005 44 114 99		MT Measuring tip for thermo element ø 0,5 mm		

If any other tips are required, use LT tip series with MT / LT adapter

Order No./Model	Description
 005 44 121 99	MT-LT Adapter for use with LT series tips (see page 66 / 67)

Soldering Irons and Tips

Electronically Controlled Low Voltage Soldering Irons












Order No.	Model	Description
005 33 112 99	LR 21	Soldering Set 50 W, 24 V

consists of:

005 25 106 99	LR 21	Soldering iron 50 W, 24 V with soldering tip ET B
005 15 020 99	KH 20	Safety rest

Soldering tips for LR 21

	Order No.	Model	Description	Width A	Length B
	4ETS	ET S	Micropoint long	0,4 mm	
	4ETO	ET O	Micropoint long	0,8 mm	
	4ETR	ET R	Chisel slim	1,6 mm	0,7 mm
	4ETH	ET H	Chisel	0,8 mm	0,4 mm
	4ETA	ET A	Chisel	1,6 mm	0,7 mm
	4ETB	ET B	Chisel	2,4 mm	0,8 mm
	4ETC	ET C	Chisel	3,2 mm	0,8 mm
	4ETD	ET D	Chisel	4,6 mm	0,8 mm
	4ETE	ET E	Chisel	5,6 mm	1,2 mm
	4ETK	ET K	Chisel long	1,2 mm	0,4 mm
	4ETL	ET L	Chisel long	2,0 mm	1,0 mm
	4ETM	ET M	Chisel long	3,2 mm	1,2 mm
	4ETF	ET F	Round sloped 45°	ø 1,2 mm	
	4ETBB	ET BB	Round sloped 45°	ø 2,4 mm	
	4ETCC	ET CC	Round sloped 45°	ø 3,2 mm	
	4ETP	ET P	Round tip blunt	ø 0,8 mm	
	4ETBS	ET BS	Round tip blunt	ø 2,4 mm	
	4ETCS	ET CS	Round tip blunt	ø 3,2 mm	
	005 41 039 99	ET SMD	Chip soldering / desoldering tip	2,5 mm	1,5 mm
	005 41 040 99	ET SMD	Chip soldering / desoldering tip	3,8 mm	1,5 mm
	005 41 045 99	ET GW	Gull wing		
	005 41 703 99		Screw in tip with M5 outside thread		
	005 24 750 99		ET Measuring tip for thermo element ø 0,5 mm		

If any other tips are required, use LT tips series with ET / LT adapter

Soldering Irons and Tips

Electronically Controlled Low Voltage Soldering Irons

ET-LT Adapter



Order No./Model	Description
005 87 207 81	ET-LT Adapter for use LR 21 with LT tip series

SMT Adapter + Tips for LR 21



Order No.	Model	Description
SMTA	SMTA	SMT Adapter for LR 21



SMT0504A	SMT0504A	A/1 for components 1,0 x 1,2 mm, 1,2 x 1,0 mm, 1,2 x 1,2 mm, 1,6 x 0,8 mm
-----------------	-----------------	---



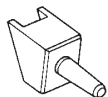
SMT0805B	SMT0805B	B/1, for components 1,8 x 1,2 mm, 2,0 x 1,2 mm
-----------------	-----------------	--



SMT1206D	SMT1206D	D/1, for components 3,2 x 1,6 mm, 3,2 x 2,5 mm
-----------------	-----------------	--



SMT23I	SMT23I	I/1, for components 3,0 x 2,5 mm
---------------	---------------	----------------------------------



SMT8K	SMT8K	K/2, for components 5,0 x 4,0 mm
--------------	--------------	----------------------------------



005 41 744 99	DIL16WGEC	Desoldering head for DIL 16, 7,62 mm x 2,54 mm
005 41 747 99	DILE24	



005 13 042 99	DS7EC	Desoldering adapter
005 13 804 99		Spare tipllets for desoldering adapter DS7EC, 1,5 mm

Soldering Irons and Tips

Electronically Controlled Low Voltage Soldering Irons



Order No.	Model	Description
005 33 155 99	WMP	Soldering set 65 W, 24 V, with ergonomic "Tip to Grip" soldering iron The WMP micro soldering pencil is suitable to handle all micro components and fine pitch tasks. The WMP provides an extremely short tip-to-grip distance and a very short heating-up time. The heater is integrated into the handle. When the tip wear out the heating element goes on.
consists of:		
WMP	WMP	Micro soldering pencil 65 W, 24 V with soldering tip NT 1
WPHM	WPHM	Safety rest



005 33 157 99	WMPT	Soldering set 65 W, 24 V, with ergonomic "Tip to Grip" soldering iron and Stop+Go support
consists of:		
WMP	WMP	Micro soldering pencil 65 W, 24 V with soldering tip NT 1
WPHT	WPHT	Safety rest with Stop+Go function
005 15 144 99	WPH 81T	Stop+Go support for WSP 80 / WMPFE

Soldering tips for WMP

Order No.	Model	Description	Width A	Thickness B	Length C
NT H	NT H	Chisel	0,8 mm	0,4 mm	8,4 mm
NT K	NT K	Chisel	1,2 mm	0,4 mm	8,4 mm
NT A	NT A	Chisel	1,6 mm	0,4 mm	9,5 mm
NT 6	NT 6	Chisel	1,6 mm	0,4 mm	7,4 mm
NT B	NT B	Chisel	2,4 mm	0,8 mm	7,8 mm
NT C	NT C	Chisel	3,2 mm	0,8 mm	8,2 mm
NT D	NT D	Chisel	4,0 mm	0,8 mm	8,6 mm
NT AX	NT AX	Chisel Bent	1,6 mm	0,4 mm	8,2 mm
NT 1S	NT 1S	Round tip slim	ø 0,25 mm		8,5 mm
NT 1	NT 1	Round tip	ø 0,25 mm		7,4 mm
NT 1X	NT 1X	Round tip bent 45°	ø 1,6 mm		8,6 mm
NT 4	NT 4	Round tip sloped 45°	ø 1,2 mm		9,9 mm
NT GW	NT GW	Gull wing	2,0 mm	3,0 mm	13,4 mm
NT MS	NT MS	NT Measuring tip for thermo element	ø 0,5 mm		

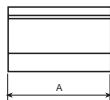
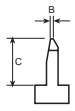
Soldering Irons and Tips

Electronically Controlled Low Voltage Soldering Irons



Order No.	Model	Description	Width A	Thickness B	Length C
005 87 517 17		Silicon pad for changing bent NT series tips			
005 87 517 10		Tip changing tool for changing straight NT series tips			

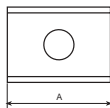
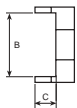
SMD Tips for WMP



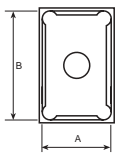
Order No.	Model	Description	Width A	Thickness B	Length C
NTSMT01	NT SMT01	Blade	10,4 mm	0,6 mm	7,1 mm
NTSMT02	NT SMT02	Blade	16,8 mm	0,6 mm	7,1 mm
NTSMT03	NT SMT03	Blade	20,8 mm	0,6 mm	7,1 mm



NTSMT04	NT SMT04	Slot	1,8 mm	3,4 mm	1,8 mm
NTSMT05	NT SMT05	Slot	1,5 mm	2,3 mm	1,8 mm
NTSMT06	NT SMT06	Slot	2,5 mm	1,7 mm	1,4 mm
NTSMT07	NT SMT07	Slot	2,3 mm	4,5 mm	1,8 mm



NTSMT08	NT SMT08	Tunnel	4,6 mm	5,1 mm	2,3 mm
NTSMT09	NT SMT09	Tunnel	10,4 mm	5,1 mm	2,3 mm
NTSMT10	NT SMT10	Tunnel	11,5 mm	6,9 mm	2,3 mm
NTSMT11	NT SMT11	Tunnel	13,2 mm	9,5 mm	3,2 mm
NTSMT12	NT SMT12	Tunnel	15,8 mm	9,5 mm	3,2 mm
NTSMT13	NT SMT13	Tunnel	18,3 mm	9,5 mm	3,2 mm
NTSMT14	NT SMT14	Tunnel	18,8 mm	9,0 mm	3,2 mm



NTSMT15	NT SMT15	Quad	2,7 mm	7,7 mm	3,8 mm
NTSMT16	NT SMT16	Quad	10,4 mm	10,4 mm	3,8 mm
NTSMT17	NT SMT17	Quad	12,7 mm	12,7 mm	3,8 mm
NTSMT18	NT SMT18	Quad	13,7 mm	8,6 mm	3,8 mm
NTSMT19	NT SMT19	Quad	19,1 mm	19,1 mm	3,8 mm
NTSMT20	NT SMT20	Quad	23,2 mm	17,3 mm	3,8 mm
NTSMT21	NT SMT21	Quad	24,5 mm	24,5 mm	3,8 mm
NTSMT22	NT SMT22	Quad	29,6 mm	29,6 mm	3,8 mm

Soldering Irons and Tips

Electronically Controlled Low Voltage Soldering Irons



Order No.	Model	Description
005 33 125 99	WSP 80	Soldering set 80 W, 24 V This soldering pencil can be used universally in all situations from extremely delicate soldering to those where more power is required. The WSP 80 have an extremely short heating up time.
consists of:		
005 29 161 99	WSP 80	Soldering iron 80 W, 24 V with soldering tip LT B
005 15 140 99	WPH 80	Safety rest



Order No.	Model	Description
005 33 158 99	WSP 80IG	Inert gas soldering set 80 W, 24 V, with Stop+Go function For use in applications when soldering under an atmosphere of inert gas to prevent joint oxidation is required. Driven from the WAD 101 hot air station (see page 84), inert gas is fed through the tip nut of the iron to envelope the solder joint. The Stop+Go safety rest automatically start the gas flow when the iron is removed and stop it when the iron is replaced.
consists of:		
005 28 190 99	WSP 80IG	Inert gas soldering iron 80 W, 24 V with soldering tip LT B
005 15 144 99	WPH 81T	Safety rest with Stop+Go function

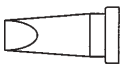
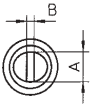


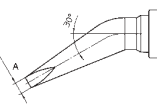
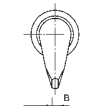
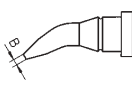

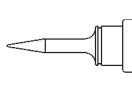
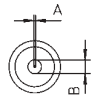
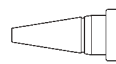
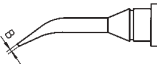






Order No.	Model	Description
005 33 131 99	MPR 80	Soldering set Peritronic 80 W, 24 V The Peritronic soldering pencil gives all-round vision when making intricate connections. Adjustable head for maximum view.
consists of:		
005 29 163 99	MPR 80	Soldering iron 80 W, 24 V Peritronic with soldering tip LT B
005 15 033 99	KH 25P	Safety rest

Soldering Irons and Tips

Electronically Controlled Low Voltage Soldering Irons

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

	Order No.	Model	Description	Width A	Length B	
		005 44 437 99	LT H	Chisel	0,8 mm	0,4 mm
		005 44 430 99	LT HHPB	Chisel, for HPB solder *	0,8 mm	0,4 mm
		005 44 403 00	LT A	Chisel	1,6 mm	0,7 mm
		005 44 431 99	LT AHPB	Chisel, for HPB solder*	1,6 mm	0,7 mm
		005 44 470 00	LT ALF	Chisel, for lead free solder*	1,6 mm	0,7 mm
		005 44 405 00	LT B	Chisel	2,4 mm	0,8 mm
		005 44 432 99	LT BHPB	Chisel, for HPB solder *	2,4 mm	0,8 mm
		005 44 446 00	LT BLF	Chisel, for lead free solder**	2,4 mm	0,8 mm
		005 44 407 00	LT C	Chisel	3,2 mm	0,8 mm
		005 44 447 00	LT CLF	Chisel, for lead free solder**	3,2 mm	0,8 mm
	005 44 409 00	LT D	Chisel	4,6 mm	0,8 mm	
	005 44 448 00	LT DLF	Chisel, for lead free solder* *	4,6 mm	0,8 mm	
		005 44 413 00	LT K	Chisel long	1,2 mm	0,4 mm
		005 44 414 00	LT L	Chisel long	2,0 mm	1,0 mm
		005 44 476 00	LT LLF	Chisel long, for lead free solder**	2,0 mm	1,0 mm
		005 44 415 00	LT M	Chisel long	3,2 mm	1,2 mm
		005 44 477 00	LT MLF	Chisel long, for lead free solder**	3,2 mm	1,2 mm
		005 44 420 99	LT HX	Chisel bent	0,8 mm	0,4 mm
		005 44 443 00	LT ALX	Chisel bent	1,6 mm	0,7 mm
		005 44 442 00	LT BX	Chisel bent	2,4 mm	0,8 mm
		005 44 469 00	LT MXLF	Chisel bent for lead free solder**	3,2 mm	0,8 mm
		005 44 427 00	LT AX	Chisel bent 30°	1,6 mm	0,8 mm
		005 44 480 00	LT AXLF	Chisel bent 30° for lead free solder**	1,6 mm	0,8 mm
		005 44 436 99	LT 1S	Round slim	ø 0,2 mm	1,6 mm
		005 44 435 99	LT 1	Round	ø 0,25 mm	
		005 44 404 00	LT AS	Round	ø 1,6 mm	
		005 44 471 00	LT ASLF	Round, for lead free solder**	ø 1,6 mm	
		005 44 411 00	LT CS	Round	ø 3,2 mm	
		005 44 474 00	LT CSLF	Round, for lead free solder**	ø 3,2 mm	
		005 44 426 99	LT 1SLX	Round slim bent	ø 2,0 mm	0,4 mm
		005 44 428 00	LT 4X	Round bent 30°	ø 1,2 mm	0,4 mm
		005 44 425 99	LT 1X	Round bent 30°	ø 2,0 mm	0,4 mm
		005 44 439 99	LT 4	Round sloped 45° slim	ø 1,2 mm	
		005 44 408 00	LT F	Round sloped 45°	ø 1,2 mm	

Soldering Irons and Tips

Electronically Controlled Low Voltage Soldering Irons

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

	Order No.	Model	Description	Width A	Length B
	005 44 444 00	LT BB	Round sloped 45° long	2,4 mm	4,0 mm
	005 44 472 00	LT BBLF	Round sloped 45° long, for lead free solder**	2,4 mm	4,0 mm
	005 44 445 00	LT CC	Round sloped 45° long	3,2 mm	6,0 mm
	005 44 473 00	LT CCLF	Round sloped 45° long, for lead free solder**	3,2 mm	6,0 mm
	005 44 478 00	LT DDLF	Round sloped 45° long, for lead free solder**	4,6 mm	6,0 mm
	005 44 423 99	LT 1L	Conical long	ø 0,2 mm	
	005 44 406 99	LT S	Conical long	ø 0,4 mm	
	005 44 482 00	LT TLF	Conical long, for lead free solder**	ø 0,6 mm	
	005 44 481 00	LT OLF	Conical long, for lead free solder**	ø 0,8 mm	
	005 44 424 99	LT 1LX	Conical long bent	ø 0,2 mm	
	005 44 410 00	LT GW	Gull wing 45°	ø 2,3 mm	3,2 mm
	005 44 475 00	LT GWLF	Gull wing 45°, for lead free solder**	ø 2,3 mm	3,2 mm
	005 44 479 00	LT KNLF	Soldering knife tip 6,2 mm for lead free solder**	6,2 mm	
	005 44 416 00		LT Measuring tip for thermo element 0,5 mm		
	005 44 449 99		LT Screw in tip with M4 outside thread		

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

**Lead free solder = the LF soldering tips have thicker layer of iron. This improves the lifetime and makes them ideal of working with lead free solder. Regular soldering tips can be used with lead free solder but it reduces their lifetime for physical reasons.

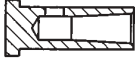





SMD Soldering Tips for WSP 80

	Order No.	Model	Description	Width A	Thickness B	Length C
	LTSMT01	LT SMT01	Blade	10,4 mm	0,6 mm	7,1 mm
	LTSMT02	LT SMT02	Blade	16,8 mm	0,6 mm	7,1 mm
	LTSMT03	LT SMT03	Blade	20,8 mm	0,6 mm	7,1 mm
	LTSMT04	LT SMT04	Slot	1,8 mm	3,4 mm	1,8 mm
	LTSMT05	LT SMT05	Slot	1,5 mm	2,3 mm	1,8 mm
	LTSMT06	LT SMT06	Slot	2,5 mm	1,7 mm	1,4 mm
	LTSMT07	LT SMT07	Slot	2,3 mm	4,5 mm	1,8 mm
	LTSMT08	LT SMT08	Tunnel	4,6 mm	5,1 mm	2,3 mm
	LTSMT09	LT SMT09	Tunnel	10,4 mm	5,1 mm	2,3 mm
	LTSMT10	LT SMT10	Tunnel	11,5 mm	6,9 mm	2,3 mm
	LTSMT11	LT SMT11	Tunnel	13,2 mm	9,5 mm	3,2 mm
	LTSMT12	LT SMT12	Tunnel	15,8 mm	9,5 mm	3,2 mm
	LTSMT13	LT SMT13	Tunnel	18,3 mm	9,5 mm	3,2 mm
	LTSMT14	LT SMT14	Tunnel	18,8 mm	9,0 mm	3,2 mm
	LTSMT15	LT SMT15	Quad	2,7 mm	7,7 mm	3,8 mm
	LTSMT16	LT SMT16	Quad	10,4 mm	10,4 mm	3,8 mm
	LTSMT17	LT SMT17	Quad	12,7 mm	12,7 mm	3,8 mm
	LTSMT18	LT SMT18	Quad	13,7 mm	8,6 mm	3,8 mm
	LTSMT19	LT SMT19	Quad	19,1 mm	19,1 mm	3,8 mm
	LTSMT20	LT SMT20	Quad	23,2 mm	17,3 mm	3,8 mm
	LTSMT21	LT SMT21	Quad	24,5 mm	24,5 mm	3,8 mm
	LTSMT22	LT SMT22	Quad	29,6 mm	29,6 mm	3,8 mm

Soldering Irons and Tips

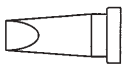
Electronically Controlled Low Voltage Soldering Irons

SMD Adapter + Tips for WSP 80, WSP 80IG and MPR 80

	Order No.	Model	Description
	005 44 417 99		LT Adapter for SMD tips 13,5 mm
	SMT0504A	SMT0504A	A/1 for components 1,0 x 1,2 mm, 12 x 1,0 mm, 1,2 x 1,2 mm, 1,6 x 0,8 mm
	SMT0805B	SMT0805B	B/1, for components 1,8 x 1,2 mm, 2,0 x 1,2 mm
	SMT1206D	SMT1206D	D/1, for components 3,2 x 1,6 mm, 3,2 x 2,5 mm
	SMT23I	SMT23I	I/1, for components 3,0 x 2,5 mm
	SMT8K	SMT8K	K/2, for components 5,0 x 4,0 mm

LT Soldering Tips for Robot Application

Soldering tips with twist lock. Only for use with robot application.

	Order No.	Model	Description	Width A	Length B
	005 44 441 99	LTR A	Chisel	1,6 mm	0,8 mm
	005 44 422 99	LTR B	Chisel, 1,5 mm wettable	2,4 mm	0,8 mm
	005 44 422 71	LTR B	Chisel, 6 mm wettable	2,4 mm	0,8 mm
	005 44 433 99	LTR C	Chisel	3,2 mm	0,8 mm
	005 87 447 38		Heating Element WSP 80 for Soldering Robot Application		

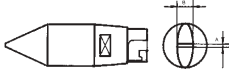
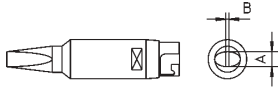
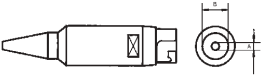
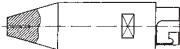
Order No.	Model	Description
005 33 113 99	LR 82	Soldering set 80 W, 24 V Electronically temperature controlled soldering iron for high mass soldering.
consists of:		
005 26 152 99	LR 82	Soldering iron 80 W, 24 V with soldering tip HT 2
005 15 027 99	KH 27	Safety rest

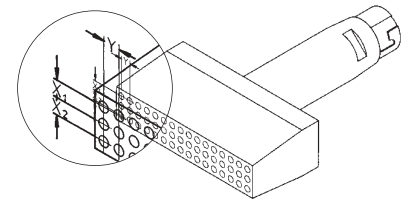


Soldering Irons and Tips



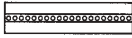
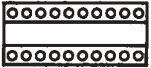
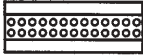
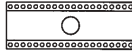
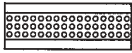
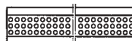
Electronically Controlled Low Voltage Soldering Irons

Soldering Tips for LR 82 and FE 80

	Order No.	Model	Description	Width A	Length B
	005 44 260 99	HT 1	Chisel	3,2 mm	1,0 mm
	005 44 261 99	HT 2	Chisel	5,2 mm	1,2 mm
	005 44 262 99	HT 3	Chisel	7,0 mm	1,2 mm
	005 44 267 99	HT C	Chisel long	3,2 mm	1,0 mm
	005 44 268 99	HT D	Chisel long	4,6 mm	1,0 mm
	005 44 269 99	HT E	Chisel long	5,6 mm	1,0 mm
	005 44 264 99	HT BS	Round	Ø 2,4 mm	
	005 44 265 99	HT CS	Round	Ø 3,2 mm	
	005 44 266 99	HT DS	Round	Ø 5,0 mm	
	005 44 270 99		HT Screw in tip with outside thread M8		
	005 44 263 99		HT Measuring tip for thermo element Ø 0,5 mm		



Desoldering Heads for LR 82

	Order No.	Model	Description	x1	x1+x2+x	y
	005 44 184 99	HT 10	Desoldering head 20 pol. 25,86 x 12,0	2,54 mm		2,54 mm
	005 44 183 99	HT 13	Desoldering head 13 pol. 33,48 x 12 mm	2,54 mm		2,54 mm
	005 44 187 99	HT 20	Desoldering head 20 pol. 51,26 x 12,0 mm	2,54 mm		2,54 mm
	005 44 181 99	HT 20	Desoldering head 20 pol. 25,86 x 11,2 mm	2,54 mm	7,62 mm	2,54 mm
	005 44 186 99	HT 29	Desoldering head 29 pol. 74,12 x 12,0 mm	2,54 mm		2,54 mm
	005 44 180 99	HT 40	Desoldering head 40 pol. 51,26 x 18,7 mm	2,54 mm	15,24 mm	2,54 mm
	005 44 192 99	HT 48	Desoldering head 48 pol.	2,54 mm	5,08 mm	2,54 mm
	005 44 190 99	HT 96	Desoldering head 96 pol.	2,54 mm	5,08 mm	2,54 mm

Soldering Irons and Tips

Electronically Controlled Low Voltage Soldering Irons



Order No.	Model	Description
005 33 135 99	WSP 150	Soldering set 150 W , 24 V The WSP 150 is specially developed for soldering tasks with extremely high heat requirements. The 150 W heater power combined with optimal heat transfer to the soldering tip gurantee high performance capability.
consists of:		
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

Soldering Tips for WSP 150

Order No.	Model	Description	Width A	Length B
005 44 455 99	LHT C	Chisel	3,2 mm	1,2 mm
005 44 452 99	LHT D	Chisel	4,7 mm	1,8 mm
005 44 451 99	LHT E	Chisel	6,7 mm	1,8 mm
005 44 450 99	LHT F	Chisel	9,3 mm	1,8 mm
005 44 462 00	LHT DX	Chisel bent	5 mm	2 mm
005 44 461 00	LHT EX	Chisel bent	7 mm	2 mm
005 44 460 00	LHT FX	Chisel bent	10 mm	2 mm
005 44 456 00	LHT D 45°	Sloped 45° for solar panel production		
005 44 454 00		LHT Screw in tip with outside thread M6		
005 44 453 99		LHT Measuring tip for thermo element \varnothing 0,5 mm		



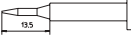
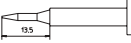
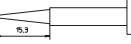
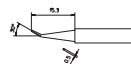
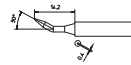
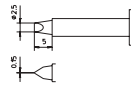
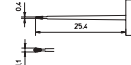
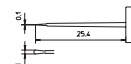
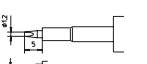
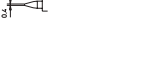



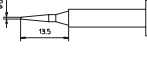
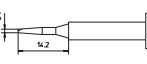

Order No./Model	Description
005 30 060 99	Soldering iron 80 W, 24 V, for MT 1500 soldering station, w/o tip (spare part)



Soldering Irons and Tips

Electronically Controlled Low Voltage Soldering Irons

Soldering Tips for MT 1500

	Order No.	Model	Description	Width A	Length B
	MT202	MT 202	Conical	Ø 0,8 mm	25,4 mm
	MT302	MT 302	Conical	Ø 0,4 mm	5,0 mm
	MT606	MT 606	Conical	Ø 0,4 mm	13,5 mm
	MT613	MT 613	Conical	Ø 0,5 mm	13,5 mm
	MT609	MT 609	Conical	Ø 0,6 mm	15,5 mm
	MT603	MT 603	Conical bent 30°	Ø 0,5 mm	15,3 mm
	MT605	MT 605	Conical bent 30°	Ø 0,4 mm	14,2 mm
	MT614	MT 614	Chisel	2,5 mm	5,0 mm
	MT211	MT 211	Chisel	1,1 mm	0,4 mm
	MT212	MT 212	Chisel	1,1 mm	0,1 mm
	MT301	MT 301	Chisel	2,0 mm	5,0 mm
	MT601	MT 601	Chisel	1,8 mm	9,8 mm
	MT602	MT 602	Chisel	2,5 mm	9,9 mm
	MT604	MT 604	Chisel	1,5 mm	9,9 mm
	MT610	MT 610	Chisel	5,0 mm	8,9 mm
	MT607	MT 607	Sloped 45°	0,5 mm	14,7 mm
	MT608	MT 608	Sloped 45°	1,0 mm	14,2 mm
	MT621	MT 621	Tip for SOIC 8		

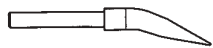
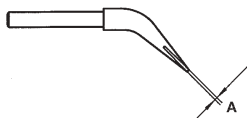
Soldering Irons and Tips

Electronically Controlled Low Voltage Soldering Irons / Cordless Soldering Irons



Order No.	Model	Description
005 33 133 99	WTA 50	Desoldering tweezer set 50 W, 24 V This tweezer is to desolder SMD components. The tweezer has two moveable heating tips with each 25 W
consists of:		
005 13 171 99	WTA 50	Desoldering tweezer 50 W, 24 V with tip set WTA 1
005 15 042 99	AK 51	Safety rest
Accessory:		
005 13 176 99		Align device for WTA tips

Tip Sets for WTA 50



Order No.	Model	Description	Width A	Length B
005 44 145 99	WTA 1S	Tip set bent 45°	0,5 mm	0,5 mm
005 44 141 99	WTA 1	Tip set bent 45°	1,0 mm	0,5 mm
005 44 146 99	WTA 2	Tip set bent 45°	3,0 mm	0,5 mm
005 44 147 99	WTA 3	Tip set bent 45°	6,0 mm	0,5 mm
005 44 143 99	WTA 4	Tip set bent 45°	12,5 mm	0,5 mm
005 44 144 99	WTA 5	Tip set bent 45°	18,5 mm	0,5 mm
005 44 152 99	WTA 11	Tip set for vertical use	1,0 mm	0,5 mm
005 44 153 99	WTA 12	Tip set for vertical use	3,0 mm	0,5 mm
005 44 149 99		WT Measuring tip for thermo element \varnothing 0,5 mm		

Cordless Soldering Irons + Tips

The cordless soldering irons from Weller provide temperature variable soldering without the need for an electrical supply.



Order No.	Model	Description
005 16 002 99	WC 100	Cordless soldering set 15 W, 2,4 V The WC 100 is a cordless soldering iron fitted with a Nickel-Cadmium battery and built in work light. Recharge time within 12 h, max. temperature of 370°C is reached in a few seconds.
consists of:		
005 16 010 99	WC 100	Soldering iron 15 W, 2,4 V with soldering tips WC 111, WC 112 and WC 113
005 16 021 99		Charger 230 V

Soldering Tips for WC 100



Order No.	Model	Description	Width A
005 16 102 99	WC 113	Chisel	0,8 mm
005 16 100 99	WC 112	Chisel	1,5 mm
005 16 101 99	WC 111	Chisel	2,5 mm

Soldering Irons and Tips

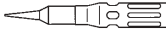

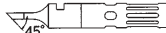



Butane Gas Powered Soldering Irons

Powered by Butane gas, the Pyropens offer soldering iron, hot air blow and blow torch options. They have a short heat up time and are refilled in seconds from a refill cylinder. A sight glass shows the level of gas in the reservoir. The temperature variation is obtained by increasing respectively decreasing the gas flow. All Pyropen soldering irons need very clean refill (accessory) for precise temperature regulation.



Order No.	Model	Description
005 16 087 99	WP 60K	Pyropen Butane gas powered soldering kit <ul style="list-style-type: none"> • Manually ignition • One filling lasts ~ 1 hour • Temperature range soldering: ~ 500°C, hot air: ~ 650°C
consists of:		
005 16 134 99	60-01-05	Soldering iron Needle tip \varnothing 0,5 mm
005 16 447 99	60-01-52	Hot air nozzle \varnothing 4,7 mm
005 16 135 99	60-01-06	Hot knife 5,0 mm, 45°
005 16 450 99	60-02	Protective cap

Soldering Tips for WP 60

	Order No.	Model	Description	Width A
	005 16 134 99	60-01-05	Needle	\varnothing 0,5 mm
	005 16 443 99	60-01-01	Needle	\varnothing 1,0 mm
	005 16 444 99	60-01-02	Chisel	2,4 mm
	005 16 446 99	60-01-04	Chisel	5,0 mm
	005 16 445 99	60-01-03	Round spade 45°	\varnothing 2,0 mm
	005 16 447 99	60-01-52	Hot air nozzle	\varnothing 4,7 mm
	005 16 135 99	60-01-06	Knife 45°	5,0 mm
	005 16 448 99	60-07U	Ejector unit	
	005 16 449 99	60-14	Barrell (spare part)	
	005 16 450 99	60-02	Protective cap for WP 60 (spare part)	







Order No.	Model	Description
005 16 075 99	Pyropen Jr.	Pyropen Butane gas powered mini soldering iron <ul style="list-style-type: none"> • Manually ignition • One filling lasts ~ 1 hour • Temperature range soldering: 400°C - 500°C, hot air: ~ 650°C
consists of:		
005 16 165 99	71-01-01	Soldering iron Needle tip \varnothing 0,5 mm Aluminium protective cap

Soldering Irons and Tips

Butane Gas Powered Soldering Irons



Soldering Tips for Pyropen Jr.

	Order No.	Model	Description	Width A
	005 16 165 99	71-01-01	Needle	ø 0,5 mm
	005 16 166 99	71-01-02	Chisel	3,0 mm
	005 16 161 99	71-01-04	Chisel	5,0 mm
	005 16 167 99	71-01-03	Round spade 45°	ø 3,0 mm
	005 16 168 99	71-01-50	Hot air nozzle	ø 1,5 mm
	005 16 169 99	71-01-52	Hot air nozzle	ø 4,9 mm
	005 16 172 99	71-07U	Ejector unit	

Order No.	Model	Description
WSTA6	WSTA 6	Pyropen Butane gas powered soldering iron <ul style="list-style-type: none"> • Self ignition • One filling lasts ~ 1 hour • Temperature range soldering: ~ 500°C, hot air: ~ 650°C
consists of:		
WPT01	WPT-01	Soldering iron Needle tip ø 1,0 mm Protective cap



Soldering Tips for WSTA 6

	Order No.	Model	Description	Width A
	WPT01	WPT-01	Needle	ø 1,0 mm
	WPT02	WPT-02	Chisel	2,4 mm
	WPT04	WPT-04	Chisel	5,0 mm

Soldering Irons and Tips

Butane Gas Powered Soldering Irons



Order No.	Model	Description
005 16 060 99	Pyropen	Pyropen Butane gas powered profi line soldering iron <ul style="list-style-type: none"> • Manually ignition • One filling lasts ~ 3 hours • Temperature range soldering: 350°C - 500°C, hot air: ~ 650°C • Metal box with iron holder, cleaning sponge and burn proof accessory pocket

consists of:

005 16 121 99	70-01-02	Soldering iron Chisel tip 3,0 mm
005 16 142 99	70-01-52	Hot air nozzle \varnothing 4,9 mm
005 16 151 99	70-07TU	Torch ejector
005 16 160 99	RB-TS	Butane gas refill canister 0,75 ml
005 16 156 99	7040U	Metall box
005 16 281 99	7042	Burn proof accessory pocket Iron holder Cleaning sponge





Order No.	Model	Description
005 16 059 99	Pyropen Piezo	Pyropen Butane gas powered profi line soldering iron <ul style="list-style-type: none"> • Self ignition (Piezo) • One filling lasts ~ 3 hours • Temperature range soldering: 350°C - 500°C, hot air: ~ 650°C • Metal box with iron holder, cleaning sponge and burn proof accessory pocket

consists of:

005 16 121 99	70-01-02	Soldering iron Chisel tip 3,0 mm
005 16 142 99	70-01-52	Hot air nozzle \varnothing 4,9 mm
005 16 159 99	70-01-55	Reflector \varnothing 6,0 mm, 18,0 mm width for heat shrinking
005 16 160 99	RB-TS	Butane gas refill canister 0,75 ml
005 16 156 99	7040U	Metall box
005 16 281 99	7042	Burn proof accessory pocket Iron holder Cleaning sponge




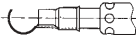
Soldering Tips for Pyropen and Pyropen Piezo

	Order No.	Model	Description	Width A
	005 16 120 99	70-01-01	Needle	\varnothing 0,5 mm
	005 16 124 99	70-01-05	Needle tapered	\varnothing 0,5 mm
	005 16 129 99	70-01-10	Needle bent 30°	\varnothing 0,5 mm

Soldering Irons and Tips

Butane Gas Powered Soldering Irons

Soldering Tips for Pyropen and Pyropen Piezo

	Order No.	Model	Description	Width A	Length B
	005 16 131 99	70-01-12	Round head	8,0 mm	
	005 16 121 99	70-01-02	Chisel	3,0 mm	
	005 16 132 99	70-01-13	Chisel	5,0 mm	
	005 16 130 99	70-01-11	Chisel	8,0 mm	
	005 16 122 99	70-01-03	Round spade	ø 2,0 mm	
	005 16 123 99	70-01-04	Round spade	ø 3,0 mm	
	005 16 125 99	70-01-06	Spade conical	ø 3,0 mm	
	005 16 127 99	70-01-08	Round spade 35°	ø 2,0 mm	
	005 16 128 99	70-01-09	Round spade 35°	ø 3,0 mm	
	005 16 126 99	70-01-07	Pyramide taper		
	005 16 140 99	70-01-50	Hot air nozzle	ø 1,59 mm	
	005 16 141 99	70-01-51	Hot air nozzle	ø 3,3 mm	
	005 16 142 99	70-01-52	Hot air nozzle	ø 4,9 mm	
	005 16 143 99	70-01-53	Hot air nozzle	ø 7,4 mm	
	005 16 151 99	70-07TU	Torch ejector		
	005 16 150 99	70-07SU	Solder ejector		
	005 16 159 99	70-01-55	Reflector for heat shrinking	ø 6,0 mm	18,0 mm
	005 16 158 99	70-01-54	Reflector for heat shrinking	ø 8,0 mm	22,0 mm
	005 16 133 99	70-01-14	Adapter tip ø 8,4 mm with M\$ inside thread		

Accessory for all Pyropen Soldering Irons



Order No.	Model	Description
005 16 160 99	RB-TS	Butane gas refill canister 0,75 ml

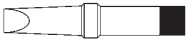
Soldering Irons and Tips

Magnastat Controlled Low Voltage Soldering Irons

The Weller Magnastat system operates through a ferro-magnetic sensing device which changes its characteristics when specific temperatures are reached. Working temperature selection is achieved by simply changing the "temperature sensing" soldering tip. These tips are available in 260°C, 310°C, 370°C, 425°C and 480°C versions.

Order No.	Model	Description
 005 32 105 99	TCPS	Magnastat soldering iron 50 W, 24 V, with soldering tip PTB 7 <ul style="list-style-type: none"> • 3 Wire Silicone cord and plug for Weller WTCP 51 Magnastat soldering station • Hard grounded
005 10 001 99	TCP 24	Magnastat soldering iron 50 W, 24 V, with soldering tip PTB 7 <ul style="list-style-type: none"> • 2 wire Silicone cord without plug • No grounding possible
 005 10 053 99	TCP 12	Magnastat soldering iron 30 / 40 W, 12 / 14 V, with batterie clamps and soldering tip PTD 7 <ul style="list-style-type: none"> • 3 m cord with battery clamps

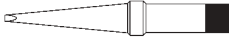

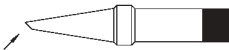
Soldering Tips for TCPS, TCP 12, TCP 24 and FE 50M

Order No.	Model	Description	Width A	Length B
 4PTR7	PT R7	Chisel slim 370°C	1,6 mm	0,7 mm
4PTR8	PT R8	Chisel slim 425°C	1,6 mm	0,7 mm
4PTH6	PT H6	Chisel 310°C	0,8 mm	0,4 mm
4PTH7	PT H7	Chisel 370°C	0,8 mm	0,4 mm
4PTH8	PT H8	Chisel 425°C	0,8 mm	0,4 mm
4PTA6	PT A6	Chisel 310°C	1,6 mm	0,7 mm
4PTA7	PT A7	Chisel 370°C	1,6 mm	0,7 mm
4PTA8	PT A8	Chisel 425°C	1,6 mm	0,7 mm
4PTB6	PT B6	Chisel 310°C	2,4 mm	0,8 mm
4PTB7	PT B7	Chisel 370°C	2,4 mm	0,8 mm
4PTB 8	PT B8	Chisel 425°C	2,4 mm	0,8 mm
4PTB9	PT B9	Chisel 480°C	2,4 mm	0,8 mm
4PTC7	PT C7	Chisel 370°C	3,2 mm	0,8 mm
4PTC8	PT C8	Chisel 425°C	3,2 mm	0,8 mm
4PTC9	PT C9	Chisel 480°C	3,2 mm	0,8 mm
4PTD7	PT D7	Chisel 370°C	4,6 mm	0,8 mm
4PTD8	PT D8	Chisel 425°C	4,6 mm	0,8 mm
4PTD9	PT D9	Chisel 480°C	4,6 mm	0,8 mm
4PTE7	PT E7	Chisel 370°C	5,6 mm	1,2 mm
4PTE8	PT E8	Chisel 425°C	5,6 mm	1,2 mm
4PTE9	PT E9	Chisel 480°C	5,6 mm	1,2 mm

Soldering Irons and Tips

Magnastat Controlled Low Voltage Soldering Irons

Soldering Tips for TCPS, TCP 12, TCP 24 and FE 50M

	Order No.	Model	Description	Width A	Length B
	4PTK6	PT K6	Chisel long 310°C	1,2 mm	0,4 mm
	4PTK7	PT K7	Chisel long 370°C	1,2 mm	0,4 mm
	4PTK8	PT K8	Chisel long 425°C	1,2 mm	0,4 mm
	4PTL6	PT L6	Chisel long 310°C	2,0 mm	1,0 mm
	4PTL7	PT L7	Chisel long 370°C	2,0 mm	1,0 mm
	4PTL8	PT L8	Chisel long 425°C	2,0 mm	1,0 mm
	4PTM7	PT M7	Chisel long 370°C	3,2 mm	1,2 mm
	4PTM8	PT M8	Chisel long 425°C	3,2 mm	1,2 mm
	4PTM9	PT M9	Chisel long 480°C	3,2 mm	1,2 mm
	005 41 307 99	PT MX7	Chisel bent, one side wettable 370°C	3,2 mm	1,2 mm
	4PTCS7	PT CS7	Round 370°C	3,2 mm	
	4PTDS7	PT DS7	Round 370°C	5,0 mm	
	4PTS7	PT S7	Round long 370°C	0,4 mm	
	4PTS8	PT S8	Round long 425°C	0,4 mm	
	4PTO6	PT O6	Round long 310°C	0,8 mm	
	4PTO7	PT O7	Round long 370°C	0,8 mm	
	4PTO8	PT O8	Round long 425°C	0,8 mm	
	4PTF7	PT F7	Round sloped 370°C	1,2 mm	
	4PTF8	PT F8	Round sloped 425°C	1,2 mm	
	4PTAA7	PT AA7	Round sloped 370°C	1,6 mm	
	4PTAA8	PT AA8	Round sloped 425°C	1,6 mm	
	4PTAA9	PT AA9	Round sloped 480°C	1,6 mm	
	4PTBB7	PT BB7	Round sloped 370°C	2,4 mm	
	4PTBB8	PT BB8	Round sloped 425°C	2,4 mm	
	4PTBB9	PT BB9	Round sloped 480°C	2,4 mm	
	4PTCC7	PT CC7	Round sloped 370°C	3,2 mm	
	4PTCC8	PT CC8	Round sloped 425°C	3,2 mm	
	4PTCC9	PT CC9	Round sloped 480°C	3,2 mm	
	4PTDD7	PT DD7	Round sloped 370°C	5,0 mm	
4PTDD8	PT DD8	Round sloped 425°C	5,0 mm		
4PTDD9	PT DD9	Round sloped 480°C	5,0 mm		
4PTP7	PT P7	370°C	0,8 mm		
4PTP8	PT P8	425°C	0,8 mm		

If other temperature or tips are required use PT / LT adapter see page 79

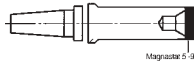
Soldering Irons and Tips

Magnastat Controlled Low Voltage Soldering Irons

Soldering Tips for TCPS, TCP 12 and TCP 24

PT-LT Adapter

Adapter to use LT tip series with Magnastat controlled low voltage soldering irons



Order No.	Model	Description
005 87 207 85	PT5-LT	PT 5 - LT adapter with barell
005 87 207 86	PT6-LT	PT 6 - LT adapter with barell
005 87 207 87	PT7-LT	PT 7 - LT adapter with barell
005 87 207 88	PT8-LT	PT 8 - LT adapter with barell
005 87 207 89	PT9-LT	PT 9 - LT adapter with barell



005 41 734 99	DIL 16WG	Desoldering tip for Dual-In-Line 310°C
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005 13 040 99	DS 7	Desoldering attachment 370°C
005 13 804 99		Spare triplet for desoldering attachment DS 7, \varnothing 1,5 mm

Soldering Irons and Tips

Magnastat Controlled Line Voltage Soldering Irons

The Weller Magnastat system operates through a ferro-magnetic sensing device which changes its characteristics when specific temperatures are reached. Working temperature selection is achieved by simply changing the "temperature sensing" soldering tip. These tips are available in 260°C, 310°C, 370°C and 425°C versions.

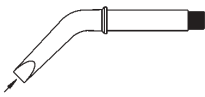


Order No.	Model	Description
005 61 036 99	W 61	Line voltage soldering iron 60 W, 230 V, Magnastat controlled • complete with soldering tip CT5 B7 and safety rest

Soldering Tips for W 61



Order No.	Model	Description	Width A
4CT5A6	CT5 A6	Chisel 310°C	1,6 mm
4CT5A7	CT5 A7	Chisel 370°C	1,6 mm
4CT5A8	CT5 A8	Chisel 425°C	1,6 mm
4CT5B7	CT5 B7	Chisel 370°C	2,4 mm
4CT5B8	CT5 B8	Chisel 425°C	2,4 mm
4CT5C6	CT5 C6	Chisel 310°C	3,2 mm
4CT5C7	CT5 C7	Chisel 370°C	3,2 mm
4CT5C8	CT5 C8	Chisel 425°C	3,2 mm
4CT5D7	CT5 D7	Chisel 370°C	5,0 mm
4CT5D8	CT5 D8	Chisel 425°C	5,0 mm



005 42 107 99	CT5 AX7	Chisel bent 370°C	1,6 mm
005 42 108 99	CT5 AX8	Chisel bent 425°C	1,6 mm
005 42 117 99	CT5 BX7	Chisel bent 370°C	2,4 mm
005 42 127 99	CT5 CX7	Chisel bent 370°C	3,2 mm
005 42 128 99	CT5 CX8	Chisel bent 425°C	3,2 mm
005 42 137 99	CT5 DX7	Chisel bent 370°C	5,0 mm
005 42 138 99	CT5 DX8	Chisel bent 425°C	5,0 mm



005 41 735 99	DIL 16WGN	Desoldering tip for Dual-In-Line 310°C
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005 13 041 99	DS 7N	Desoldering attachment 370°C
005 13 804 99		Spare triplet for desoldering attachment DS 7, ø 1,53 mm

Soldering Irons and Tips

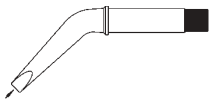
Magnastat Controlled Line Voltage Soldering Irons



Order No.	Model	Description
005 61 046 99	W 101	Line voltage soldering iron 100 W, 230 V, Magnastat controlled • complete with soldering tip CT6 E7 and safety rest

Soldering Tips for W 101

Order No.	Model	Description	Width A
4CT6C7	CT6 C7	Chisel 370°C	3,2 mm
4CT6C8	CT6 C8	Chisel 425°C	3,2 mm
4CT6D7	CT6 D7	Chisel 370°C	5,0 mm
4CT6D8	CT6 D8	Chisel 425°C	5,0 mm
4CT6E7	CT6 E7	Chisel 370°C	7,0 mm
4CT6E8	CT6 E8	Chisel 425°C	7,0 mm



005 42 307 99	CT6 CX7	Chisel bent 370°C	3,2 mm
005 42 318 99	CT6 DX8	Chisel bent 425°C	5,0 mm
005 42 327 99	CT6 EX7	Chisel bent 370°C	7,0 mm



Order No.	Model	Description
005 61 096 99	W 101SP	Line voltage soldering iron 100 W, 230 V, Magnastat controlled with twist lock • complete with welding wedge Teflon coated, 50 x 40 x 4 mm and safety rest

Soldering Tips for W 101 with Twist Lock



Order No.	Model	Description
005 11 767 99		Welding wedge Teflon coated, 50 x 40 x 4 mm

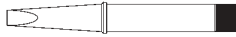
Soldering Irons and Tips

Magnastat Controlled Line Voltage Soldering Irons / Uncontrolled Line Voltage Soldering Irons

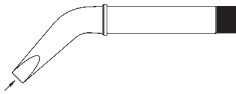


Order No.	Model	Description
005 61 056 99	W 201	Line voltage soldering iron 200 W, 230 V, Magnastat controlled • complete with soldering tip CT2 F7 and safety rest

Soldering Tips for W 201



Order No.	Model	Description	Width A
005 42 407 99	CT2 E7	Chisel 370°C	7,0 mm
005 42 408 99	CT2 E8	Chisel 425°C	7,0 mm
005 42 417 99	CT2 F7	Chisel 370°C	10,0 mm
005 42 418 99	CT2 F8	Chisel 425°C	10,0 mm
005 42 427 99	CT2 G7	Chisel 370°C	11,0 mm
005 42 428 99	CT2 G8	Chisel 425°C	11,0 mm



005 42 507 99	CT2 EX7	Chisel bent 370°C	7,0 mm
005 42 508 99	CT2 EX8	Chisel bent 425°C	7,0 mm
005 16 517 99	CT2 FX7	Chisel bent 370°C	10,0 mm
005 42 518 99	CT2 FX8	Chisel bent 425°C	10,0 mm

Uncontrolled Line Voltage Soldering Irons

Robust heating elements of special steel between natural mica-leaves, embedded in cast ceramics and first-class material make the Weller SPI irons outstanding in technology and life-time. The SPI irons come with plated and oxidation prevented Weller "Longlife" tips.



Order No.	Model	Description
005 64 005 99	SPI 16	Line voltage soldering iron 15 W, 230 V, uncontrolled • complete with soldering tip 4SPI15212 and holder • Heating up time ~ 180 sec. • Tip temperature ~ 360°C

Soldering Tips for SPI 16

Order No.	Model	Description	Width A
4SPI15210	SPI15 210	Pointed	0,4 mm
4SPI15213	SPI15 213	Pointed	0,8 mm
4SPI15212	SPI15 212	Chisel	1,2 mm
4SPI15211	SPI15 211	Chisel	2,0 mm

Soldering Irons and Tips

Uncontrolled Line Voltage Soldering Irons



Order No.	Model	Description
005 64 021 99	SPI 27	Line voltage soldering iron 25 W, 230 V, uncontrolled <ul style="list-style-type: none"> • complete with soldering tip 4SPI126206 and holder • Heating up time ~ 180 sec. • Tip temperature ~ 410°C

Soldering Tips for SPI 27

Order No.	Model	Description	Width A
4SPI26206	SPI26 206	Chisel	1,2 mm
4SPI26200	SPI26 200	Chisel	2,0 mm
4SPI26201	SPI26 201	Chisel	3,0 mm



Order No.	Model	Description
005 64 037 99	SPI 41	Line voltage soldering iron 40 W, 230 V, uncontrolled <ul style="list-style-type: none"> • complete with soldering tip 4SPI40224 and holder • Heating up time ~ 180 sec. • Tip temperature ~ 450°C

Soldering Tips for SPI 41

Order No.	Model	Description	Width A
4SPI40224	SPI40 224	Chisel	2,0 mm
4SPI40225	SPI40 225	Chisel	3,0 mm
4SPI40220	SPI40 220	Chisel	5,0 mm
4SPI40226	SPI40 226	Chisel bent	2,0 mm



Order No.	Model	Description
005 64 053 99	SPI 81	Line voltage soldering iron 80 W, 230 V, uncontrolled <ul style="list-style-type: none"> • complete with soldering tip 4SPI80237 and holder • Heating up time ~ 180 sec. • Tip temperature ~ 480°C

Soldering Tips for SPI 81

Order No.	Model	Description	Width A
4SPI80234	SPI80 234	Chisel	3,0 mm
4SPI80235	SPI80 235	Chisel	5,0 mm
4SPI80230	SPI80 230	Chisel	7,0 mm
4SPI80231	SPI80 231	Chisel	9,5 mm
4SPI80237	SPI80 237	Chisel bent	5,0 mm
4SPI80232	SPI80 232	Chisel bent	7,0 mm

Hot Air Stations

100 W Hot Air Stations

This range of four stations is suited to reworking smaller SMD components. The type D and type Q nozzles do have an integral hot plate but other types do not. These stations do not have a nozzle vacuum pick up; therefore it is necessary to use either manual or vacuum tweezers to remove the component. As well as the HAP 1 hot air pencil, all other tools of the Weller range can be connected to these stations and dependent upon the station up to three tools could be controlled independently. Two of the four stations have an internal electrically driven pump. The other two are operated from either a compressed air or inert gas supply.

Order No.	Model	Description												
005 32 666 99	WAD 101	Hot air station digital 105 W, 230 V, compressed air or inert gas operated <ul style="list-style-type: none"> • 1 channel • Digital controlled electronic for soldering and hot air tools up to 100 W • Inlet pressure 400 KPA (58 psi) oil-free, dry compressed air or inert gas • Temperature range 50°C - 550°C (HAP 1) • Temperature control via buttons • Air volume control via regulator • 3-position digital display • Calibration box WCB 2 (see page 121) may be connected for CALIBRATION, LOCK OUT or OFFSET function • Protection class 1 • Antistatic housing • Equipotential bonding (normal state hard grounded) • Automatic tool recognition • Dimensions: 166 x 134 x 101 mm (W x L x H) 												
consists of: <table border="0"> <tr> <td>005 32 686 99</td> <td>PUWAD 101</td> <td>Control unit 230 V</td> </tr> <tr> <td>005 27 115 99</td> <td>HAP 1</td> <td>Hot air pencil 100 W / 24 V with hot air nozzle round R 06 ø 3,0 mm</td> </tr> <tr> <td>005 15 027 99</td> <td>KH 27</td> <td>Safety rest</td> </tr> <tr> <td>005 87 278 21</td> <td>R 04</td> <td>Hot air nozzle round ø 1,2 mm</td> </tr> </table>			005 32 686 99	PUWAD 101	Control unit 230 V	005 27 115 99	HAP 1	Hot air pencil 100 W / 24 V with hot air nozzle round R 06 ø 3,0 mm	005 15 027 99	KH 27	Safety rest	005 87 278 21	R 04	Hot air nozzle round ø 1,2 mm
005 32 686 99	PUWAD 101	Control unit 230 V												
005 27 115 99	HAP 1	Hot air pencil 100 W / 24 V with hot air nozzle round R 06 ø 3,0 mm												
005 15 027 99	KH 27	Safety rest												
005 87 278 21	R 04	Hot air nozzle round ø 1,2 mm												



Hot air nozzles: see page 89 / 90
Spare parts: see page 144

Order No.	Model	Description																																	
005 33 086 99	WMA 3V	Hot air station multi analog 130 W, 230 V, compressed air or inert gas operated <ul style="list-style-type: none"> • Including dispenser and vacuum pick-up • 1 channel • Analog controlled electronic for soldering, desoldering and hot air tools up to 100 W • Inlet pressure 400 KPA (58 psi) oil-free, dry compressed air or inert gas • Temperature range 50°C - 550°C (HAP 1) • Max. vacuum - 0,7 bar • Air volume hot air 1 - 10 l/min • Temperature control via rotary potentiometer • Air flow control via rotary button • Timer • Protection class 1 • Antistatic housing • Equipotential bonding (normal state hard grounded) • Automatic tool recognition • Dimensions: 240 x 270 x 105 mm (W x L x H) 																																	
consists of: <table border="0"> <tr> <td>005 27 115 99</td> <td>HAP 1</td> <td>Control unit 230 V</td> </tr> <tr> <td>005 15 027 99</td> <td>KH 27</td> <td>Hot air pencil 100 W, 24 V with hot air nozzle round R 06 ø 3,0 mm</td> </tr> <tr> <td>005 87 278 21</td> <td>R 04</td> <td>Safety rest</td> </tr> <tr> <td>3000ESD</td> <td>3000 ESD</td> <td>Hot air nozzle round ø 1,2 mm</td> </tr> <tr> <td>3232</td> <td>3232</td> <td>Erem 3000 vacuum pick-up</td> </tr> <tr> <td>2052E</td> <td>2052E</td> <td>Erem adapter fix for use with suction cup 2052E</td> </tr> <tr> <td>005 15 052 99</td> <td></td> <td>Erem suction cup 4,5 mm, Silicone rubber</td> </tr> <tr> <td>005 13 120 99</td> <td></td> <td>Combi support for dispenser and vacuum pick-up</td> </tr> <tr> <td>005 13 500 99</td> <td></td> <td>Foot switch 1-step</td> </tr> <tr> <td>KDS 810 S6</td> <td></td> <td>Cleaning tool complete</td> </tr> <tr> <td></td> <td></td> <td>10CC syringes adapter</td> </tr> </table>			005 27 115 99	HAP 1	Control unit 230 V	005 15 027 99	KH 27	Hot air pencil 100 W, 24 V with hot air nozzle round R 06 ø 3,0 mm	005 87 278 21	R 04	Safety rest	3000ESD	3000 ESD	Hot air nozzle round ø 1,2 mm	3232	3232	Erem 3000 vacuum pick-up	2052E	2052E	Erem adapter fix for use with suction cup 2052E	005 15 052 99		Erem suction cup 4,5 mm, Silicone rubber	005 13 120 99		Combi support for dispenser and vacuum pick-up	005 13 500 99		Foot switch 1-step	KDS 810 S6		Cleaning tool complete			10CC syringes adapter
005 27 115 99	HAP 1	Control unit 230 V																																	
005 15 027 99	KH 27	Hot air pencil 100 W, 24 V with hot air nozzle round R 06 ø 3,0 mm																																	
005 87 278 21	R 04	Safety rest																																	
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005 15 052 99		Erem suction cup 4,5 mm, Silicone rubber																																	
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KDS 810 S6		Cleaning tool complete																																	
		10CC syringes adapter																																	



Hot air nozzles: see page 89 / 90
Spare parts: see page 152

Hot Air Stations

100 W Hot Air Stations



Hot air nozzles: see page 89 / 90
Spare parts: see page 153

Order No.	Model	Description
005 33 306 99	WMD 1A	Hot air station multi digital 175 W, 230 V, with internal pump <ul style="list-style-type: none"> • 1 channel • Digital controlled electronic for soldering, desoldering and hot air tools up to 150 W • Temperature range 50°C - 550°C (HAP 1) • Air volume hot air 1 - 10 l/min • Temperature + air volume control via buttons • 3-position digital display • Calibration box WCB 2 (see page 121) may be connected for CALIBRATION, LOCK OUT or OFFSET function • Protection class 1 • Antistatic housing • Equipotential bonding (normal state hard grounded) • Automatic tool recognition • Dimensions: 240 x 270 x 105 mm (W x L x H)

consists of:		
005 33 286 99	WMD 1S	Control unit 230 V
005 27 115 99	HAP 1	Hot air pencil 100 W / 24 V with hot air nozzle round R 06 ø 3,0 mm
005 15 027 99	KH 27	Safety rest
005 87 278 21	R 04	Hot air nozzle round ø 1,2 mm
005 13 500 99		Cleaning tool complete
005 33 284 99		WMD 1S Power unit switchable 120 V / 240 V with US plug



Hot air nozzles: see page 89 / 90
Soldering tips: see page 66 / 67
Desoldering nozzles: see page 99 / 100
Spare parts: see page 154

Order No.	Model	Description
005 33 026 75	WMD 3K	Hot air station multi digital 310 W, 230 V, with internal pump <ul style="list-style-type: none"> • 3 channels • Including hot air pencil, soldering and desoldering iron and hot air tools up to 150 W • Digital controlled electronic for soldering, desoldering and hot air tools up to 150 W • Temperature range 50°C - 550°C (HAP 1) • Air volume hot air 1 - 10 l/min • Max. vacuum -0,7 bar • Temperature, vacuum and air volume control via buttons • 3-position digital display • Protection class 1 • Antistatic housing • Equipotential bonding (normal state hard grounded) • Automatic tool recognition • Dimensions: 240 x 270 x 105 mm (W x L x H)

consists of:		
005 33 026 99	WMD 3	Control unit 230 V
005 27 115 99	HAP 1	Hot air pencil 100 W / 24 V with hot air nozzle round R 06 ø 3,0 mm
005 15 027 99	KH 27	Safety rest
005 87 278 21	R 04	Hot air nozzle round ø 1,2 mm
005 29 161 99	WSP 80	Soldering iron 80 W, 24 V with soldering tip LT B
005 15 140 99	WPH 80	Safety rest
005 13 190 99	DSX 80	Desoldering iron 80 W, 24 V with nozzle DX 113HM
005 15 030 99	AK 20	Safety rest
005 13 142 00	DX 112	Desoldering nozzle
005 13 143 00	DX 113	Desoldering nozzle
005 13 500 99		Cleaning tool complete
Accessory:		
005 13 120 99		Foot switch 1-step

Hot Air Stations

700 W Hot Air Stations

These stations use temperature and volume controlled hot air with Weller patented technology nozzles and the HAP 3 / 3000 hot air pencil to solder and desolder larger dual in line and quad pack components. There are three stations in the range giving users the option of digital control with an integral air supply, digital control with an external air or inert gas supply or analogue control with an integral air supply. A wide range of hot air nozzles type ND and NQ with integral hot plates to heat the component body and types NR and DR without hot plates complete the range



Hot air nozzles: see page 91 / 93
Spare parts: see page 149

Order No.	Model	Description
005 33 216 99	WHA 300	Hot air station analog 700 W, 230 V, with built-in turbine <ul style="list-style-type: none"> • Analogue controlled electronic • Temperature range 50°C - 550°C • Air volume 5 - 10 l/min (not ESD Safe) • Temperature control via rotary potentiometer • Air flow control via rotary button • Protection class 1 • Antistatic housing • NQ 30 nozzle • without nozzle vacuum • Dimensions: 130 x 220 mm (D x H)



Hot air nozzles: see page 91 / 93
Spare parts: see page 151

Order No.	Model	Description
005 33 366 99	WHA 3000V	Hot air station digital 700 W / 230 V, for use with compressed air or inert gas <ul style="list-style-type: none"> • Digital controlled electronic • 4 - 6 bar compressed air supply or inert gas • LCD display • Manual or automatic operation • RS 232 interface and software for control via PC • External sensor socket • Temperature range 50°C - 550°C • Air volume 5 - 50 l/min (ESD Safe) • Max. nozzle vacuum -0,6 bar • Stop+Go support • Protection class 1 • Antistatic housing • Dimensions: 240 x 270 x 100 mm (W x L x H)

consists of:

	HAP 3000
005 15 043 99	AKT 30
005 87 577 70	
005 15 049 99	

Control unit 230 V for use with compressed air or inert gas
Hot air pencil with NQ 30 nozzle
Safety rest with Stop+Go function
Foot switch 2-stage
Nozzle change tool

Hot Air Stations

700 W Hot Air Stations



Hot air nozzles: see page 91 / 93
Spare parts: see page 150

Order No.	Model	Description
005 33 346 99	WHA 3000P	Hot air station digital 700 W / 230 V, with built-in turbine <ul style="list-style-type: none"> • Digital controlled electronic • LCD display • Manual or automatic operation • RS 232 interface and software for control via PC • External sensor socket • Temperature range 50°C - 550°C • Air volume 5 - 50 l/min • Max. vacuum -0,6 bar • Stop+Go support • Protection class 1 • Antistatic housing • Dimensions: 240 x 270 x 100 mm (W x L x H)

consists of:

	HAP 3000	Control unit 230 V with built-in pump
005 15 043 99	AKT 30	Hot air pencil with NO 30 nozzle
005 87 577 70		Safety rest with Stop+Go function
005 15 049 99		Foot switch 2-stage
		Nozzle change tool

Accessory for WHA 3000V and WHA 3000P



Order No.	Description
005 87 367 80	Manual control panel
005 87 577 70	Foot switch 2-stage
005 15 049 99	Nozzle change tool
005 87 549 51	External sensor type K, Ø 0,25 mm
005 31 190 99	External sensor type K, Ø 0,5 mm
005 15 048 99	Stand for hot air nozzles, for max. 6 nozzles

Hot Air Stations

Hot Air Heat Gun

The hot air heat gun can be used for heat shrink applications or drying and to detect faulty components on circuit boards. Cooling is also possible because the air flow is independent of the heater. Temperature range ca. 400°C - 430°C.



Order No.	Model	Description
6966E	6966E	Hot air heat gun 210 W / 230 V
consists of:		
6964	6964	Hot air heat gun 230 V
6957	6957	0,2" Reflector
6958	6958	1,5" Reflector
		Shrinking nozzle
Accessory		
6965A	6965A	Holder for gun

Hot Air Irons and Nozzles

Electronically Controlled Hot Air Irons for 100 W Hot Air Stations











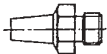










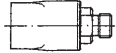

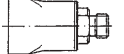

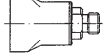

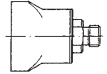



Order No.	Model	Description
005 33 114 99	HAP 1	Hot air pencil set 100 W, 24 V The HAP 1 provides a directional hot air flow that is adjustable and static-free. Electronically temperature controlled from 50°C to 550°C. Different nozzles available as accessory. Finger switch controls adjustable pump.
consists of:		
005 27 115 99	HAP 1	Hot air pencil 100 W, 24 V with hot air nozzle R 06 ø 3,0 mm
005 15 027 99	KH 27	Safety rest
005 87 278 21	R 04	Hot air nozzle ø 1,2 mm

Hot Air Irons and Nozzles

Hot Air Nozzles for 100 W Hot Air Stations

Hot Air Nozzles for HAP 1

		Order No.	Model	Description	Width A	Thickness B
		005 87 277 74	F02	Flat nozzle	8,0 mm	1,5 mm
		005 87 277 73	F04	Flat nozzle	10,5 mm	1,5 mm
		005 87 277 72	F06	Flat nozzle	12,0 mm	1,5 mm
		005 87 278 23	R02	Round nozzle	ø 0,8 mm	
		005 87 278 21	R04	Round nozzle	ø 1,2 mm	
		005 87 278 22	R06	Round nozzle	ø 3,0 mm	
		005 87 277 87	R10	Round nozzle long	ø 2,0 mm	
		005 87 277 86	R08	Round nozzle long bent	ø 2,0 mm	
		005 87 277 76	FD2	Dual nozzle	ø 1,5 mm	8 mm
		005 87 277 75	FD4	Dual nozzle	ø 1,5 mm	10 mm
		Two sides heated (Type D, width X = heated side)				
						
		Order No.	Model	Description	Width X	Thickness Y
		005 87 277 79	D04	Hot air nozzle, two sides heated, with hot plate	10,5 mm	10,5 mm
		005 87 277 82	D06	Hot air nozzle, two sides heated, with hot plate	13,0 mm	10,0 mm
		005 87 277 81	D08	Hot air nozzle, two sides heated, with hot plate	15,0 mm	10,0 mm
		005 87 277 84	D10	Hot air nozzle, two sides heated, with hot plate	18,0 mm	10,0 mm

Hot Air Irons and Nozzles

Hot Air Nozzles for 100 W Hot Air Stations

Hot Air Nozzles for HAP 1 Four sides heated (Type Q)



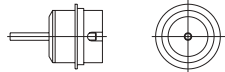
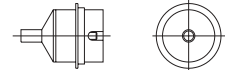
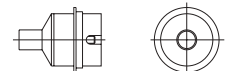
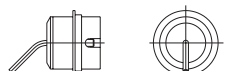
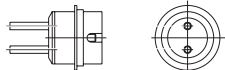

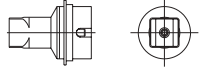
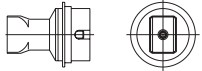
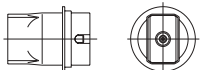
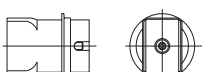
		Order No.	Model	Description	Width X	Thickness Y
		005 87 277 77	Q02	Hot air nozzle, four sides heated, with hot plate	6,0 mm	6,5 mm
		005 87 277 78	Q04	Hot air nozzle, four sides heated, with hot plate	6,0 mm	9,0 mm
		005 87 277 80	Q06	Hot air nozzle, four sides heated, with hot plate	15,0 mm	10,0 mm
		005 87 277 83	Q08	Hot air nozzle, four sides heated, with hot plate	12,5 mm	15,0 mm
		005 87 278 12	SK709	Hot air nozzle, four sides heated, with hot plate	12,0 mm	12,0 mm
		005 87 278 16	SK769A	Hot air nozzle, four sides heated, with hot plate	16,0 mm	16,0 mm
		005 87 277 85	Q10	Hot air nozzle, four sides heated, with hot plate	18,0 mm	18,0 mm
		005 87 278 08	R01	Measuring nozzle for thermo element \varnothing 0,5 mm		

Hot Air Irons and Nozzles

Hot Air Nozzles for 700 W Hot Air Stations

Hot Air Nozzles for 700 W Hot Air Stations for HAP 3000 (WHA 3000P / V), HAP 2 (WHA 2000) and HAP 3 (WHA 700, WHA 300)





















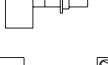



The ND and NQ nozzles have an integrated pre-heating plate for pre-heating components by means of contact heat. Air outlet slots are located around the plate with a width of approx. 1 mm for the hot air.

Order No.	Model	Description	Width A	Thickness B
	005 87 368 81 NR04	Round nozzle, without vacuum	ø 2,5 mm	
	005 87 368 67 NR05	Round nozzle, without vacuum	ø 4,0 mm	
	005 87 368 70 NR10	Round nozzle, without vacuum	ø 7,0 mm	
	005 87 368 82 NR02	Round nozzle bent, without vacuum	1,7 mm x 45°	
	005 87 368 83 DR05	Dual nozzle round, without vacuum	2 x ø 2,5 mm	2 x 9,5 mm
Two sides heated (Type ND, width X = heated side)				
				
Order No.	Model	Description	Width X	Thickness Y
	005 87 368 43 ND05	Hot air nozzle, two sides heated	10,7 mm	10,7 mm
	005 87 368 42 ND 10	Hot air nozzle, two sides heated	14,0 mm	10,0 mm
	005 87 368 41 ND 15	Hot air nozzle, two sides heated	19,0 mm	12,0 mm
	005 87 368 40 ND 20	Hot air nozzle, two sides heated	21,5 mm	14,8 mm
	005 87 369 32 ND SK535/A	Hot air nozzle, ND width A heated, without edge for thin components	8,5 mm	20,0 mm
	005 87 369 33 ND SK535/B	Hot air nozzle, ND width A heated, without edge for thin components	10,5 mm	20,0 mm
	005 87 507 34 ND SK699	Hot air nozzle, ND width A heated, without edge for thin components	12,5 mm	20,0 mm
	005 87 369 34 ND SK535/C	Hot air nozzle, ND width A heated, without edge for thin components	14,0 mm	20,0 mm

Hot Air Irons and Nozzles

Hot Air Nozzles for 700 W Hot Air Stations

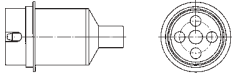


		Four sides heated (Type NQ)				
		Order No.	Model	Description	Width X	Thickness Y
		005 87 368 39	NQ05	Hot air nozzle, four sides heated	10,7 mm	10,7 mm
		005 87 368 38	NQ15	Hot air nozzle, four sides heated	14,5 mm	10,0 mm
		005 87 368 18	NQ10	Hot air nozzle, four sides heated	14,8 mm	14,8 mm
		005 87 368 37	NQ20	Hot air nozzle, four sides heated	15,5 mm	13,0 mm
		005 87 368 14	NQ25	Hot air nozzle, four sides heated	18,0 mm	18,0 mm
		005 87 507 21	NQ30	Hot air nozzle, four sides heated	17,5 mm	23,5 mm
		005 87 368 07	NQ35	Hot air nozzle, four sides heated	20,5 mm	20,5 mm
		005 87 368 80	NQ	Hot air nozzle, four sides heated	24,0 mm	12,0 mm
		005 87 368 04	NQ40	Hot air nozzle, four sides heated	26,0 mm	26,0 mm
		005 87 368 33	NQ45	Hot air nozzle, four sides heated	31,3 mm	31,3 mm
		005 87 368 91	NQ50	Hot air nozzle, four sides heated	36,0 mm	36,0 mm
		005 87 368 90	NQ55	Hot air nozzle, four sides heated	43,0 mm	43,0 mm

Hot Air Irons and Nozzles

Hot Air Nozzles for 700 W Hot Air Stations

Order No.	Model	Description	Width A	Thickness B
005 87 507 41	NQT 10	Hot air nozzle, four sides heated, without protruding edge for thin components	14,8 mm	14,8 mm
005 87 507 42	NQT25	Hot air nozzle, four sides heated, without protruding edge for thin components	18,0 mm	18,0 mm
005 87 507 39	NQT	Hot air nozzle, four sides heated, without protruding edge for thin components	22,0 mm	22,0 mm



005 87 368 75	NA 20	Measuring nozzle		
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Special design on request.

Desoldering Stations

Electronically Controlled Desoldering Stations

Order No.	Model	Description
005 32 566 99	WDD 81V	Desoldering station digital 95 W, 230 V, compressed air or inert gas operated <ul style="list-style-type: none"> • 1 channel • Digital controlled electronic for soldering or desoldering tools up to 80 W • Compressed air converter provides vacuum for the desoldering iron • Inlet pressure 500 - 600 KPA (58 - 87 psi) oil-free, dry compressed air or inert gas • Temperature range 50°C - 450°C • Temperature control via buttons • 3-position digital display • Calibration box WCB 2 (see page 121) may be connected for CALIBRATION, LOCK OUT or OFFSET function • Protection class 1 • Antistatic housing • Equipotential bonding (normal state hard grounded) • Automatic tool recognition • Dimensions: 166 x 115 x 101 mm (W x L x H)



Nozzles: see page 99 - 101
Spare parts: see page 145

consists of:

005 32 586 99	PUDD 81V	Control unit 230 V
005 13 190 99	DSX 80	Desoldering iron 80 W, 24 V with nozzle DX 113HM
005 15 030 99	AK 20	Safety rest
005 13 142 00	DX 112	Nozzle
005 13 143 00	DX 113	Nozzle
005 13 500 99		Cleaning set

Order No.	Model	Description
005 32 546 99	WDD 81VIL	Desoldering station digital 95 W, 230 V, with inline desoldering iron compressed air or inert gas operated <ul style="list-style-type: none"> • 1 channel • Digital controlled electronic for soldering or desoldering tools up to 80 W • Compressed air converter provides vacuum for the inline desoldering iron • Inlet pressure 500 - 600 KPA (58 - 87 psi) oil-free, dry compressed air or inert gas • Temperature range 50°C - 450°C • Temperature control via buttons • 3-position digital display • Calibration box WCB 2 (see page 121) may be connected for CALIBRATION, LOCK OUT or OFFSET function • Protection class 1 • Antistatic housing • Equipotential bonding (normal state hard grounded) • Automatic tool recognition • Dimensions: 166 x 115 x 101 mm (W x L x H)



Nozzles: see page 99 - 101
Spare parts: see page 145

consists of:

005 32 586 99	PUDD 81V	Control unit 230 V
005 13 197 99	DSXV 80	Inline desoldering iron 80 W, 24 V with nozzle DX 113HM
005 15 038 99	AKV	Safety rest
005 13 142 00	DX 112	Nozzle
005 13 143 00	DX 113	Nozzle
005 13 500 99		Cleaning set

Desoldering Stations

Electronically Controlled Desoldering Stations

Order No.	Model	Description
005 32 806 99	WDD 161V	Desoldering station digital 165 W, 230 V, compressed air or inert gas operated <ul style="list-style-type: none"> • 2 channels • Digital controlled electronic for soldering or desoldering tools up to 150 W • Compressed air converter provides vacuum for the desoldering iron • Inlet pressure 500 - 600 KPA (58 - 87 psi) oil-free, dry compressed air or inert gas • Temperature range 50°C - 450°C • Temperature control via buttons • 3-position digital display • Calibration box WCB 2 (see page 121) may be connected for CALIBRATION, LOCK OUT or OFFSET function • Protection class 1 • Antistatic housing • Equipotential bonding (normal state hard grounded) • Automatic tool recognition • Dimensions: 166 x 115 x 101 mm (W x L x H)
		
Nozzles: see page 99 - 101 Soldering Tips: see page 66 / 97 Spare parts: see page 145		
consists of:		
005 32 886 99	PUDD 161V	Control unit 230 V
005 13 190 99	DSX 80	Desoldering iron 80 W, 24 V with nozzle DX 113HM
005 29 161 99	WSP 80	Soldering iron 80 W, 24 V with soldering tip LT B
005 15 030 99	AK 20	Safety rest
005 15 140 99	WPH 80	Safety rest
005 13 142 00	DX 112	Nozzle
005 13 143 00	DX 113	Nozzle
005 13 500 99		Cleaning set

Order No.	Model	Description
005 33 326 99	WMD 1D	Desoldering station multi digital 175 W, 230 V, with internal pump <ul style="list-style-type: none"> • 1 channel • Digital controlled electronic for soldering, desoldering or hot air tools up to 150 W • Temperature range 50°C - 450°C • Temperature control via buttons • Max. vacuum -0,7 bar • 3-position digital display • Calibration box WCB 2 (see page 121) may be connected for CALIBRATION, LOCK OUT or OFFSET function • Protection class 1 • Antistatic housing • Equipotential bonding (normal state hard grounded) • Automatic tool recognition • Dimensions: 240 x 270 x 105 mm (W x L x H)
		
Nozzles: see page 76 / 78 / 79 Spare parts: see page 153		
consists of:		
005 33 286 99	WMD 1S	Control unit 230 V
005 13 190 99	DSX 80	Desoldering iron 80 W, 24 V with nozzle DX 113HM
005 15 030 99	AK 20	Safety rest
005 13 142 00	DX 112	Nozzle
005 13 143 00	DX 113	Nozzle
005 13 500 99		Cleaning set
005 33 284 99	WMD 1S	Control unit switchable 120 V / 240 V, with US plug

Desoldering Stations

Electronically Controlled Desoldering Stations



Soldering tips: see page 66 / 67
 Desoldering nozzles: see page 154
 Hot air nozzles: see page 89 / 90
 Desoldering nozzles: see page 99 / 100

Order No.	Model	Description
005 33 026 75	WMD 3K	Desoldering station multi digital 310 W, 230 V, with internal pump <ul style="list-style-type: none"> • 3 channel • Including hot air pencil, soldering and desoldering iron • Digital controlled electronic for soldering, desoldering and hot air tools up to 150 W • Temperature range 50°C - 450°C (HAP 1: 550°C) • Air volume hot air 1 - 10 l/min • Max. vacuum -0,7 bar • Temperature, vacuum and air volume control via buttons • 3-position digital display • Protection class 1 • Antistatic housing • Equipotential bonding (normal state hard grounded) • Automatic tool recognition • Dimensions: 240 x 270 x 105 mm (W x L x H)
consists of:		
005 33 026 99	WMD 3	Control unit 230 V
005 27 115 99	HAP 1	Hot air pencil 100 W / 24 V with hot air nozzle round R 06 ø 3,0 mm
005 15 027 99	KH 27	Safety rest
005 87 278 21	R 04	Hot air nozzle round ø 1,2 mm
005 29 161 99	WSP 80	Soldering iron 80 W, 24 V with soldering tip LT B
005 15 140 99	WPH 80	Safety rest
005 13 190 99	DSX 80	Desoldering iron 80 W, 24 V with nozzle DX 113HM
005 15 030 99	AK 20	Safety rest
005 13 142 00	DX 112	Desoldering nozzle
005 13 143 00	DX 113	Desoldering nozzle
005 13 500 99		Cleaning set
Accessory:		
005 13 120 99		Foot switch 1-step

Desoldering Stations

Electronically Controlled Desoldering Stations



Hot air nozzles: see page 89 / 90
Spare parts: see page 152

Order No.	Model
005 33 086 99	WMA 3V

Description

Desoldering station multi analog 130 W, 230 V, compressed air or inert gas operated

- Including dispenser and vacuum pick-up
- 1 channel
- Analog controlled electronic for soldering, desoldering and hot air tools up to 100 W
- Inlet pressure 400 KPA (58 psi) oil-free, dry compressed air or inert gas
- Temperature range 50°C - 550°C (HAP 1)
- Max. vacuum - 0,7 bar
- Air volume hot air 1 - 10 l/min
- Temperature control via rotary potentiometer
- Air flow control via rotary button
- Timer
- Protection class 1
- Antistatic housing
- Equipotential bonding (normal state hard grounded)
- Automatic tool recognition
- Dimensions: 240 x 270 x 105 mm (W x L x H)

consists of:

005 27 115 99	HAP 1
005 15 027 99	KH 27
005 87 278 21	R 04
3000ESD	3000 ESD
3232	3232
2052E	2052E
005 15 052 99	
005 13 120 99	
005 13 500 99	
KDS 810 S6	

Control unit 230 V

Hot air pencil 100 W, 24 V with hot air nozzle round R 06 ø 3,0 mm

Safety rest

Hot air nozzle round ø 1,2 mm

Erem 3000 vacuum pick-up

Erem adapter fix for use with suction cup 2052E

Erem suction cup 4,5 mm, Silicone rubber

Combi support for dispenser and vacuum pick-up

Foot switch 1-step

Cleaning tool complete

10CC syringes adapter

Desoldering Irons, Nozzles & Heads

Electronically Controlled Desoldering Irons



Order No.	Model	Description
005 33 138 99	DSX 80	Desoldering iron set 80 W, 24 V, with threadless nozzle fixture system Desoldering iron for electronics rework with external solder reservoir. For horizontal handling similar to regular soldering irons. Electronically temperature controlled. Micro finger switch controls quick start, fast action vacuum pump. Different interchangeable nozzles plus several CSF heads are available. The DSX series tools feature a novel threadless desoldering nozzle fixture system whereby the nozzle is inserted into the head and locked into place by applying a 1/4 turn. This feature allows the desoldering nozzles to be quickly and easily exchanged and also improves the rate of thermal transfer from the desoldering head to the desoldering nozzle providing the tools with a faster heat up time and recovery rate. Additionally, because there are no threads in the head to foul, maintenance and costs are reduced.
consists of:		
005 13 190 99	DSX 80	Desoldering iron 80 W, 24 V with nozzle DX 113HM
005 15 030 99	AK 20	Safety rest
005 13 142 00	DX 112	Nozzle
005 13 143 00	DX 113	Nozzle
005 13 500 99		Cleaning set
005 13 603 99		Gaskets for Glastube (10)

















Order No.	Model	Description
005 33 137 99	DSXV 80	Inline desoldering iron set 80 W, 24 V, with threadless nozzle fixture system Desoldering iron for electronics rework with internal solder reservoir. For vertical handling. Electronically temperature controlled. Micro finger switch controls quick start, fast action vacuum pump. Different interchangeable nozzles plus several CSF heads are available. The DSX series tools feature a novel threadless desoldering nozzle fixture system whereby the nozzle is inserted into the head and locked into place by applying a 1/4 turn. This feature allows the desoldering nozzles to be quickly and easily exchanged and also improves the rate of thermal transfer from the desoldering head to the desoldering nozzle providing the tools with a faster heat up time and recovery rate. Additionally, because there are no threads in the head to foul, maintenance and costs are reduced.
consists of:		
005 13 197 99	DSXV 80	Inline desoldering iron 80 W, 24 V with nozzle DX 113HM
005 15 038 99	AKV	Safety rest
005 13 142 00	DX 112	Nozzle
005 13 143 00	DX 113	Nozzle
005 13 500 99		Cleaning set

Desoldering Irons, Nozzles & Heads

Electronically Controlled Desoldering Irons

Desoldering nozzles with threadless fixture system for DSX 80 and DSXV 80

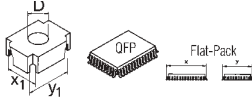
The DSX series tools feature a novel threadless desoldering nozzle fixture system whereby the nozzle is inserted into the head and locked into place by applying a $\frac{1}{4}$ turn. This feature allows the desoldering nozzles to be quickly and easily exchanged and also improves the rate of thermal transfer from the desoldering head to the desoldering nozzle providing the tools with a faster heat up time and recovery rate. Additionally, because there are no threads in the head to foul, maintenance and costs are reduced.

	Order No.	Model	Description	Outside \varnothing	Inside \varnothing	Nozzle Length
	005 13 140 00	DX 110	Nozzle	1,9 mm	0,7 mm	23 mm
	005 13 141 00	DX 111	Nozzle	2,5 mm	0,7 mm	23 mm
	005 13 142 00	DX 112	Nozzle	2,3 mm	1,0 mm	23 mm
	005 13 143 00	DX 113	Nozzle	2,5 mm	1,2 mm	23 mm
	005 13 150 00	DX 113HM	Nozzle with improved thermal transfer	2,5 mm	1,2 mm	23 mm
	005 13 144 00	DX 114	Nozzle	3,3 mm	1,8 mm	23 mm
	005 13 145 00	DX 115	Nozzle	1,9 mm	0,7 mm	23 mm
	005 13 146 00	DX 116	Nozzle	2,7 mm	1,2 mm	29 mm
	005 13 147 00	DX 117	Nozzle	2,9 mm	1,5 mm	23 mm
	005 13 148 00	DX 118	Nozzle	1,5 mm	0,7 mm	23 mm
	005 13 151 00	DX 119	Needle triplet with not wettable stainless steel tube for removal of solder bridges in connection with hot air pencil	1,1 mm	0,7 mm	31 mm
	005 13 152 00	DX 120	Nozzle without inside tube for cleaning SMD pads	2,5 mm	1,1 mm	22 mm
	005 13 153 99		Measuring nozzle	3,3 mm	0,55 mm	21,5 mm
	005 87 067 94		Conus insert cleaning tool			
	005 13 790 99		Nozzle set DX 110 - DX 115			

Desoldering Irons, Nozzles & Heads

Electronically Controlled Desoldering Irons

CSF-Q

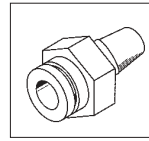


x1 (mm) x y1 (mm)

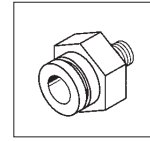
$x1 > x + 0,3$

$y1 > y + 0,3$

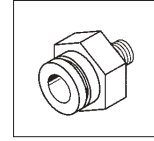
	CSF-Head Order No.
12,0 x 12,0	005 87 417 33
12,0 x 14,5	005 87 417 34
12,7 x 12,7	005 87 417 35
17,0 x 17,0	005 87 417 36
17,0 x 23,0	005 87 417 37
19,6 x 19,6	005 87 417 38



Adaptor for
DSX 80,
DSXV 80



Adaptor for
DS 80,
DSV 80

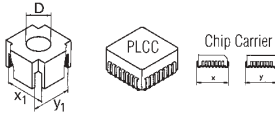


Adaptor for
DSVT 80

Adaptor
Ø

Adaptor Ø	Adaptor for DSX 80, DSXV 80	Adaptor for DS 80, DSV 80	Adaptor for DSVT 80
6	005 87 418 03	005 87 417 15	005 87 417 84
6	005 87 418 03	005 87 417 15	005 87 417 84
6	005 87 418 03	005 87 417 15	005 87 417 84
11	005 87 418 04	005 87 417 16	005 87 417 85
16	005 87 418 05	005 87 417 17	005 87 417 86
11	005 87 418 04	005 87 417 16	005 87 417 85

CSF-QI



	CSF-Head Order No.
12,7 x 12,7	005 87 417 39
12,7 x 15,6	005 87 417 76
17,8 x 17,8	005 87 417 40
20,4 x 20,4	005 87 417 41
25,4 x 25,4	005 87 417 42
30,4 x 30,4	005 87 417 43

Adaptor Ø	Adaptor for DSX 80, DSXV 80	Adaptor for DS 80, DSV 80	Adaptor for DSVT 80
6	005 87 418 03	005 87 417 15	005 87 417 84
6	005 87 418 03	005 87 417 15	005 87 417 84
11	005 87 418 04	005 87 417 16	005 87 417 85
16	005 87 418 05	005 87 417 17	005 87 417 86
16	005 87 418 05	005 87 417 17	005 87 417 86
16	005 87 418 05	005 87 417 17	005 87 417 86

CSF-D



	CSF-Head Order No.
5,5 x 10,0	005 87 417 23
5,8 x 10,5	005 87 417 24
6,7 x 10,0	005 87 417 25
9,3 x 13,0	005 87 417 26
9,4 x 10,0	005 87 417 27
9,8 x 18,0	005 87 417 28
10,0 x 16,0	005 87 417 29
10,5 x 16,0	005 87 417 30
10,7 x 18,0	005 87 417 31
11,0 x 26,5	005 87 417 32

Adaptor Ø	Adaptor for DSX 80, DSXV 80	Adaptor for DS 80, DSV 80	Adaptor for DSVT 80
6	005 87 418 03	005 87 417 15	005 87 417 84
6	005 87 418 03	005 87 417 15	005 87 417 84
6	005 87 418 03	005 87 417 15	005 87 417 84
6	005 87 418 03	005 87 417 15	005 87 417 84
6	005 87 418 03	005 87 417 15	005 87 417 84
6	005 87 418 03	005 87 417 15	005 87 417 84
6	005 87 418 03	005 87 417 15	005 87 417 84
6	005 87 418 03	005 87 417 15	005 87 417 84
6	005 87 418 03	005 87 417 15	005 87 417 84
6	005 87 418 03	005 87 417 15	005 87 417 84
11	005 87 418 04	005 87 417 16	005 87 417 85

CSF-DI



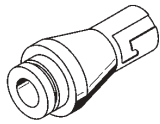
	CSF-Head Order No.
9,0 x 18,0	005 87 417 44

Adaptor Ø	Adaptor for DSX 80, DSXV 80	Adaptor for DS 80, DSV 80	Adaptor for DSVT 80
6	005 87 418 03	005 87 417 15	005 87 417 84

Desoldering Irons, Nozzles & Heads

Electronically Controlled Desoldering Irons

Adapter



Order No. / Model	Description
005 87 418 03	ø 6 mm, for DSX 80 + DSXV 80
005 87 418 04	ø 11 mm, for DSX 80 + DSXV 80
005 87 418 05	ø 16 mm, for DSX 80 + DSXV 80
005 87 417 15	ø 6 mm, for DS 80 + DSV 80
005 87 417 16	ø 11 mm, for DS 80 + DSV 80
005 87 417 17	ø 16 mm, for DS 80 + DSV 80
005 87 417 84	ø 6 mm, for DSVT 80
005 87 417 85	ø 11 mm, for DSVT 80
005 87 417 86	ø 16 mm, for DSVT 80

Rubber insert (spare)



Order No. / Model	Description
005 87 137 99	ø 4,5 mm, 10 pcs.
005 87 137 98	ø 10,0 mm, 10 pcs.

Desoldering nozzles with thread for DS 22, DS 80 and DSV 80

Desoldering Tip



HM-Tiplet



Needle-Tiplet



Order No.	Model	Description	Outside ø	Inside ø	Nozzle Length
005 13 510 00	DS 110	Nozzle	1,9 mm	0,7 mm	18 mm
005 13 532 00	DS 110HM	Nozzle with improved heat transfer	1,9 mm	0,7 mm	18 mm
005 13 511 00	DS 111	Nozzle	2,5 mm	0,7 mm	18 mm
005 13 512 00	DS 112	Nozzle	2,3 mm	1,0 mm	18 mm
005 13 533 00	DS 112HM	Nozzle with improved heat transfer	1,9 mm	0,9 mm	18 mm
005 13 513 00	DS 113	Nozzle	2,5 mm	1,2 mm	18 mm
005 13 530 00	DS 113HM	Nozzle with improved heat transfer	2,5 mm	1,2 mm	18 mm
005 13 514 00	DS 114	Nozzle	3,3 mm	1,8 mm	18 mm
005 13 515 00	DS 115	Nozzle	1,9 mm	0,7 mm	24,5 mm
005 13 516 00	DS 116	Nozzle	2,7 mm	1,2 mm	24,5 mm
005 13 550 00	DS 117	Nozzle	2,9 mm	1,5 mm	18 mm
005 13 551 00	DS 118	Nozzle	1,5 mm	0,7 mm	18 mm
005 13 527 00	DS 119	Needle tiplet with not wettable stainless steel tube for removal of solder bridges in connection with hot air pencil	1,9 mm	0,7 mm	26 mm
005 13 552 00	DS 120	Nozzle without inside tube, for cleaning SMD pads	2,5 mm	1,1 mm	15,5 mm
005 24 749 99		Measuring nozzle	3,3 mm	0,55 mm	18 mm
005 13 770 99		Nozzle set DS 110 - DS 115			

Desoldering nozzles for SCD 100 desoldering gun

Order No.	Model	Description
SCD113	SCD 113	Desoldering nozzle 1,2 mm
SCD114	SCD 114	Desoldering nozzle 1,8 mm

BGA / QFP Rework

Weller WQB Repair System

The WQB repair system upgrades the Weller product range in the SMD tool sector. A well thought-out design concept combines reliability and maximum process control with ease of use and technically mature detail solutions. Useful accessories increase the possible uses of these repair work stations. For the universal circuit board repair of SMD components, it is necessary to preheat the circuit board effectively from below and from above to precisely heat the components to be repaired to the reflow temperature as well as to reliably control the process. On the WQB 3000 the temperature regulated 2-Zone infrared bottom heater provides rapid warm-up and homogeneous substrate temperatures. The hot air top heater, with digital control electronics for temperature monitoring and regulation of the air flow rate, facilitates the finely metered supply of heat to the components. A temperature sensor placed directly in the hot air nozzle efficiently regulates the top heater and thus provides maximum process control. On the digital programming unit all process steps can be programmed, saved and if necessary protected against unauthorized use as required. The most important process parameters are optionally displayed on the LC display during operation.

The programming unit assists with the determination of temperature profiles and in this way facilitates the definition of optimal soldering process data in the easiest possible manner. Optionally the WQB 3000 can be controlled with a PC using the software WQB 3000 CONTROL. The programming of comprehensive special functions permits the adaptation of the process to a very wide range of boundary conditions, and thus enables repairs to be made even on the most difficult assemblies.

Order No.	Model	Description
005 33 516 99	WQB 3000OPS	BGA/SMT Rework system 2300 W / 230 V, for component placement with camera guided positioning system



consists of:

At the heart of the placing system is the modern Fire Wire colour camera with fully digital data transfer. The data transfer from the camera to the PC is made in real time via the IEEE 1394a interface. The telecentric precision objective lens produces an image of the component to be placed free of perspective distortion and has a wide depth of focus. The included positioning software contains a component library, from which the component to be placed is selected. New components can be edited very easily by the user and added to the library. Using the built-in positioning frame in the live image from the camera, the circuit board and the component can be aligned independently of each other using the X,Y and Theta axis fine adjustment drives.

- Base unit with top heater, bottom heater, control electronics and pneumatic unit
- Positioning unit with digital camera and telecentric objective
- Circuit board holder with fine adjustment in X and Y direction
- Lighting for soldering head
- Temperature sensor PT 100
- Push rod for bottom heater
- Nozzle change tool
- 5 pcs. Vacuum inserts o 4,5 mm
- 5 pcs. Vacuum inserts o 10,0 mm
- Reducer insert for the vacuum pickup
- Software WQB 3000 CONTROL and WQB OPS
- Serial interface cable
- Calibration tool
- Vacuum pick up with 2 changeable vacuum inserts
- Mains cable
- 2 m connecting tube for compressed air
- Instruction manual

Accessory for WQB 3000OPS

Order No.	Description
005 87 557 67	LED illumination module for positioning system

BGA / QFP Rework



Order No. 005 33 506 99
Model WQB 3000

Description

BGA/SMT Rework system 2300 W / 230 V, for component placement with templates

The Weller template system offers a low cost but still precise positioning system for BGA and leaded components. The templates can be used on populated boards and are manufactured for most BGA, QFP and PLCC components.

consists of:

- Base unit with bottom heater, soldering head, placement head, control electronics and pneumatic unit
- Circuit board holder with precision drive in X and Y direction
- Lighting for soldering head
- Programming unit with RS 232 connecting cable
- Temperature sensor PT 100
- Push rod for bottom heater
- Nozzle change tool
- 5 pcs. Vacuum inserts \varnothing 4,5 mm
- 5 pcs. Vacuum inserts \varnothing 10,0 mm
- Reducer insert for the vacuum pickup
- Mains cable
- 2 m connecting tube for compressed air
- Instruction manual
- Software WQB 3000 CONTROL for the optional user of the system via PC

Accessory for WQB 3000OPS and WQB 3000



Order No. / Model
005 87 549 24

Description

Clamping set for irregular shaped circuit boards (e.g. mobilephones, video/digital camera boards, etc.)



005 87 557 45

Support for large dimensioned circuit boards



005 87 548 73

Adjustable circuit boarder stop



005 87 557 41

Downholder for circuit boards

005 87 549 42

Manual control console for easy process control

005 87 549 48

Temperature sensor for top heater

005 87 549 51
005 31 190 99

External sensor type K, \varnothing 0,25 mm
External sensor type K, \varnothing 0,5 mm

005 87 549 70

Adapter for NO/NO hot air nozzles for WQB 3000 (see page 91 / 92)

005 87 137 99

10 pcs. Vacuum inserts \varnothing 4,5 mm

005 87 137 98

10 pcs. Vacuum inserts \varnothing 10,0 mm

005 31 191 99

Serial interface cable



BGA / QFP Rework

Hot Air Nozzles for WQB 3000OPS and WQB 3000

The patented hot air nozzles of the WQB rework stations, coupled with digital control of the hot air temperature and its flow rate provide an even convective heating of the component. This in turn ensures repeatability of the reflow process.



Order No.	Model	Nozzle Housing Inside	Nozzle Housing Outside
005 87 479 47		7,6 x 7, 99 mm	8,6 x 8,9 mm
005 87 479 43		6,5 x 6,5 mm	7,5 x 7,5 mm
005 87 479 45		8,5 x 8,5 mm	9,5 x 9,5 mm
005 87 479 61		8,5 x 10,6 mm	9,5 x 11,6 mm
005 87 549 67		10,0 x 10,0 mm	11,0 x 11,0 mm
005 87 478 48		12,0 x 12,0 mm	13,0 x 13,0 mm
005 87 479 04		13,5 x 13,5 mm	14,3 x 14,3 mm
005 87 479 35		15,5 x 15,5 mm	6,5 x 16,5 mm
005 87 478 93		15,0 x 11,0 mm	16,0 x 12,0 mm
005 87 548 36		18,5 x 10,0 mm	19,5 x 11,0 mm
005 87 479 77		15,5 x 23,5 mm	16,5 x 24,5 mm
005 87 478 33		18,0 x 18,0 mm	20,0 x 20,0 mm
005 87 547 70		21,0 x 21,0 mm	23,0 x 23,0 mm
005 87 548 20		22,0 x 22,0 mm	24,0 x 24,0 mm
005 87 477 64		25,0 x 25,0 mm	27,0 x 27,0 mm
005 87 479 93		27,0 x 23,0 mm	29,0 x 25,0 mm
005 87 478 50		27,0 x 27,0 mm	29,0 x 29,0 mm
005 87 479 27		29,0 x 29,0 mm	31,0 x 31,0 mm
005 87 479 99		28,0 x 32,0 mm	30,0 x 34,0 mm
005 87 479 06		33,0 x 33,0 mm	35,0 x 35,0 mm
005 87 548 87		35,0 x 35,0 mm	37,0 x 37,0 mm
005 87 477 53		37,0 x 37,0 mm	39,0 x 39,0 mm
005 87 478 71		39,5 x 39,5 mm	41,5 x 41,5 mm
005 87 478 74		42,0 x 42,0 mm	44,0 x 44,0 mm
005 87 549 03		45,0 x 11,0 mm	47,0 x 13,0 mm
005 87 477 63		46,0 x 46,0 mm	48,0 x 48,0 mm
005 87 479 16		47,0 x 47,0 mm	49,0 x 49,0 mm
005 87 479 41		49,0 x 49,0 mm	51,0 x 51,0 mm
005 87 479 85		57,0 x 18,5 mm	59,0 x 20,0 mm

BGA / QFP Rework

Positioning Templates for WQB 3000

The Weller template system offers a low cost but still precise positioning system for BGA and leaded components. The templates can be used on populated boards and are manufactured for most BGA, QFP and PLCC components. Templates for other components on request.

Positioning Templates for BGA Components



Order No. / Model	Matrix	Pitch
005 87 549 46	35 x 35	0,5
005 87 479 58	10 x 10	0,8
005 87 549 81	12 x 12	0,8
005 87 479 59	13 x 13	0,8
005 87 557 05	16 x 16	0,8
005 87 557 06	20 x 20	0,8
005 87 557 07	21 x 21	0,8
005 87 557 08	22 x 22	0,8
005 87 479 30	14 x 14	1,0
005 87 479 31	16 x 16	1,0
005 87 547 78	18 x 18	1,0
005 87 547 60	22 x 22	1,0
005 87 547 79	24 x 24	1,0
005 87 547 77	26 x 26	1,0
005 87 547 61	29 x 29	1,0
005 87 548 50	34 x 34	1,0
005 87 479 87	39 x 39	1,0
005 87 479 83	10 x 40	1,27
005 87 478 57	16 x 16	1,27
005 87 478 61	17 x 17	1,27
005 87 477 81	19 x 19	1,27
005 87 479 66	20 x 20	1,27
005 87 479 11	23 x 23	1,27
005 87 478 94	25 x 25	1,27
005 87 477 79	26 x 26	1,27
005 87 478 59	31 x 31	1,27
005 87 477 82	15 x 15	1,5

BGA / QFP Rework

Positioning Templates for QFP Components

Order No. / Model	Component	Pitch
005 87 478 44	TQFP 100	0,5
005 87 549 82	TQFP 128	0,5
005 87 478 69	QFP 176	0,5
005 87 478 40	QFP 208	0,5
005 87 478 67	QFP 240	0,5
005 87 478 85	QFP 112	0,65
005 87 478 38	QFP 160	0,65
005 87 479 82	QFP 64	0,8
005 87 478 42	QFP 80	0,8

BGA / QFP Rework



Weller WAM 3000 Vapour Phase SMD Reflow System

Using vapour phase soldering systems enable to solder highly complex assemblies and components without thermal problems. The compact design makes the WAM 3000 the ideal soldering system particularly for use in the laboratory and for prototyping, usual EMS production. The device is also suitable for small production runs due to the innovative air-cooling. The system impresses with its ease of use and reproducible process parameters. All device functions are controlled and monitored by a microcontroller. Serial interface for PC control, monitoring and documentation of the soldering process. Any adjustments to suit the evaporating liquid used are made automatically. Heat transfer via condensation of a saturated vapour phase. The boiling points of the various process media define the required working temperature. The built-in lift moves the solder goods to the loading position.

Advantages:

- Oxygen-free soldering environment, mild flux can be used
- Process conditions and soldering profile that are reproducible and can be documented
- Even heating of the circuit board without overheating of the electronic assemblies
- No time-consuming preparation of temperature curves
- Environmentally friendly – CFC-free
- Low maintenance due to air cooling
- Process tank made of high-quality stainless steel
- Control by means of external PC

Technical data:

- Max. format of item to be soldered: 300 mm x 300 mm
- Max. height of item to be soldered: 55 mm
- Mains supply: 230 V / 50 Hz
- Rated power: 2 KW
- Process temperature: Medium-dependent up to 240°C
- Medium consumption: approx. 3 - 10 g / cycle
- Medium capacity: 1 kg
- System weight: 80 kg
- Dimensions: 490 x 615 x 950 mm (W x D x H)

Order No.	Model	Description
005 33 396 99	WAM 3000	Vapour phase SMD reflow system 2000 W / 230 V



Accessory for WAM 3000

Order No. / Model	Description
005 33 272 99	Desoldering set for WAM 2000 / 3000
005 33 274 99	Vapour Phase Medium HT 200 (200°)
005 33 275 99	Vapour Phase Medium HT 200 (230°)

Fume Extraction

Zero-Smog

The Weller Zero-Smog Systems put an end to air pollution caused by soldering, adhesives and laser work. In all of these applications fumes or fine particles are released into the work place atmosphere which are hazardous to staff exposed to them. The Weller Zero-Smog Systems' combination of pumps, electronic controls and filters removes this hazard.

Tip Extraction

Weller FE soldering irons have an integral smoke tube mounted in the handle. It is positioned directly above the joint during the soldering process to collect any fumes generated. Fume extraction irons can be connected to Weller Zero-Smog Systems WFE and WFE P bench mounted units driving up to 2 irons or WFE 20D mobile unit driving up to 20 irons. Fume extraction attachments can be retro fitted to non fume extraction Weller soldering irons.

Extraction Units



Order No.	Model	Description
005 36 402 99	WFE	Portable fume extraction unit for tip suction, compressed air operated <ul style="list-style-type: none"> • Height x Diameter 200 x 140 mm • Weight 2,7 kg • Operating pressure 3,5 - 6 bar • Air consumption 30 l/min • Sound level 39 db (A) at 1 m distance • Max. vacuum 20.000 Pa • Max. capacity 2 FE irons

consists of:

- Fume extraction unit
- Compressed air cleaning filter
- Compact filter (HEPA filter H13 + wide band gas filter 50 % active carbon / 50 % Puratex)
- Fine dust filter F 7



Order No.	Model	Description
005 36 386 99	WFE P	Portable fume extraction unit 230 V / 50 Hz, for tip suction with built in pump <ul style="list-style-type: none"> • Vacuum pump with 2 power stages for higher extraction performance • Height x Diameter 295 x 140 mm • Weight 4 kg • Power input 50 W • Sound level 40 db (A) at 1 m distance • Max. vacuum 30.000 Pa • Max. capacity 2 FE irons

consists of:

- Fume extraction unit 230 V / 50 Hz
- Compact filter (HEPA filter H13 + wide band gas filter 50 % active carbon / 50 % Puratex)
- Fine dust filter F 7

Spare filter for WFE + WFE P



Order No.	Model	Description
005 87 357 57		Compressed air cleaning filter (for WFE only)
005 36 410 99		Compact filter (HEPA filter H13 + wide band gas filter 50 % active carbon / 50 % Puratex)
005 36 407 99		Compact filter (HEPA filter H13 + wide band gas filter 100 % active carbon)
005 36 421 99		Fine dust filter F 7 (3 pcs.)

Fume Extraction

Tip Extraction Units + FE Irons



Order No.	Model
005 36 476 99	WFE 20D

Description

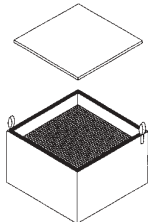
Fume extraction unit 230 V / 50 Hz, for tip suction with built in turbine

- Electronically controlled turbine
- Two selectable operating modes
- Electronic filter check (LED)
- Electronic filter operation status display
- Interface RS 232 for optional remote control
- Dimensions 450 x 450 x 695 mm (L x W x H)
- Weight 45 kg
- Power input 630 VA
- Sound level 51db (A) at 1 m distance
- Max. vacuum 12.000 Pa
- Max. delivery rate 100 m³/h
- Max. capacity 20 FE irons

consists of:

Fume extraction unit 230 V / 50 Hz
 Compact filter (HEPA filter H13 + wide band gas filter
 50 % active carbon / 50 % Puratex)
 Fine dust filter F 7

Spare filter for WFE 20D



Order No.	Model
005 87 358 37	
005 87 358 36	

Description

Fine dust filter F 5
 Fine dust filter F 7

005 87 358 38	
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Compact filter (HEPA filter H13 + wide band gas filter
 50 % active carbon / 50 % Puratex)

Fume Extraction

Tip Extraction Units + FE Irons

FE Soldering Irons

Weller FE soldering irons are specifically designed for tip extraction applications. The smoke tube is integral with the handle and is normally placed over the joint when soldering but can be retracted when access to the joint is a problem or removed for cleaning. The irons are temperature controlled, ergonomic and allow precise handling. The electronically controlled irons can be driven from any PU /PUD series power unit compatible with the rating of the iron or any rework station. FE 50M irons can only be driven from the P51 power unit. The range of iron power ratings and the extensive range of solder tips mean that there is an iron to suit all applications. The FE irons are supplied with a 5 mm-dia. burn proof hose 2.5 m long, all handles, leads and hoses are ESD safe.



Soldering Tips: see page 61

Order No.	Model	Description
005 33 150 99	FE 50 Set	FE Soldering iron set 50 W / 24 V

consists of:

005 25 153 99	FE 50 Set	FE Soldering iron 50 W / 24 V with soldering tip 4ETB
005 15 020 99	KH 20	Safety rest
005 50 050 99		Funnel for KH 20
005 25 409 99		Cleaning brush for FE tube



Soldering Tips: see page 77 / 78

Order No.	Model	Description
005 32 152 99	FE 50M	FE Soldering iron 50 W / 24 V, Magnastat controlled

consists of:

	FE 50M	FE Soldering iron 50 W / 24 V Magnastat controlled with soldering tip PT B7 2,4 mm
005 50 050 99		Funnel for KH 20
005 25 409 99		Cleaning brush for FE tube



Soldering Tips: see page 66 / 67

Order No.	Model	Description
005 33 151 99	FE 75 Set	FE Soldering iron set 80 W / 24 V

consists of:

005 29 166 99	FE 75	FE Soldering iron 80 W / 24 V with soldering tip LT B
005 15 020 99	KH 20	Safety rest
005 50 050 99		Funnel for KH 20
005 25 409 99		Cleaning brush for FE tube



Soldering Tips: see page 66 / 67

Order No.	Model	Description
005 29 162 99	WSP 80FE	FE Soldering iron 80 W / 24 V

consists of:

	WSP 80FE	FE Soldering iron 80 W / 24 V with soldering tip LT B
005 87 417 55		Cleaning brush for FE tube ø 3,2mm



Soldering Tips: see page 69

Order No.	Model	Description
005 26 162 99	FE 80	FE Soldering iron 80 W / 24 V, with soldering tip HT B

consists of:

	FE 80	FE Soldering iron 80 W / 24 V with soldering tip HT B
005 50 050 99		Funnel for KH 20
005 25 409 99		Cleaning brush for FE tube

Fume Extraction

Tip Extraction Units + FE Irons

FE attachments

A range of FE attachments is available to fit to Weller soldering and desoldering irons to convert standard products to fume extraction versions. The attachments are supplied with all necessary fittings and hoses. The performance of the retro fitted tools is not affected.



Order No.	Description
005 29 167 99	FE Attachment for WSP 80 soldering iron
005 29 127 99	FE Attachment for MLR 21 + MLR 80 soldering iron
005 25 125 99	FE Attachment for LR 21, LR 82, TCPS, W 61, W 101 and WSP 150 soldering iron
005 28 126 99	FE Attachment for WSF 80D5/8 with AK S safety rest
005 13 125 99	FE Attachment for DS 22, DS 80 and DSX 80 desoldering iron

Accessory for FE Irons



Order No.	Description
005 36 352 99	Locking clip for extraction hose
005 25 410 00	Extraction hose (spare), by metre



Cord support

The cord support keeps the cord of the soldering iron out of the direct working area. This allows an easy handling of the soldering iron. Especially recommended for use with FE soldering irons.

Order No.	Description
005 15 065 99	Cord support for AK 20
005 15 066 99	Cord support for KH 23

Safety Rests for FE Irons



Order No.	Model	Description
005 15 030 99	AK 20	Safety rest for FE 50, FE 50M, FE 75 and FE 80, for LR 21, LR 82 and TCP S with FE attachment
005 15 020 99	KH 20	Safety rest for FE 50, FE 50M, FE 75 and FE 80
005 15 023 99	KH 23	Safety rest for FE 25
005 15 140 99	WPH 80	Safety rest for WSP 80FE, for MLR 21 with FE attachment

Fume Extraction

Tip Extraction Units + FE Irons

Safety Rests Stop+Go for FE Irons with WFE or WFE P

The Weller Stop + Go supports are recommended accessories for FE irons using the WFE or WFE P extraction units. A fibre optic sensor switches the extraction unit on when the FE iron is removed from the bench support and when the FE iron is replaced in the bench support, after a short delay to gather the fumes from any solder on the tip it switches the unit off. This reduces running costs.

	Order No.	Model	Description
	005 15 086 99	KHP	Basic unit pneumatic (for WFE) Stop+Go + safety rest with fibre optic sensor for FE 25, FE 50, FE 50M, FE 75 and FE 80
	005 15 076 99	KHE	Basic unit electric (for WFE P) Stop+Go + safety rest with fibre optic sensor for FE 25, FE 50, FE 50M, FE 75 and FE 80
	005 15 080 99	KHE/P	Second safety rest with fibre optic sensor for extending to 2 workplaces for FE 25, FE 50, FE 50M, FE 75 and FE 80
	005 15 084 99	KHP 80	Basic unit pneumatic (for WFE) Stop+Go + safety rest with fibre optic sensor for WSP 80FE
	005 15 083 99	KHE 80	Basic unit electric (for WFE P) Stop+Go + safety rest with fibre optic sensor for WSP 80FE
	005 15 141 99	KHE 80/P 80	Second safety rest with fibre optic sensor for extending to 2 workplaces for WSP 80 FE

Fume Extraction

Tip Extraction Units + FE Irons

Accessory for Tip Extraction



Order No.
005 36 316 99

Model

Description

Extraction hose 40, 1 m, \varnothing 40 mm, complete with 2 connecting elements



005 36 414 00

Extraction hose 40, \varnothing 40 mm without connecting elements, sold by metre



005 36 415 99

Connection element 40-50



005 36 326 99

Extension hose \varnothing 17 mm, 5 m



005 87 358 65

Connection nipple for extension hose 17



005 87 358 66

Nut G 3/8" for connection nipple



005 36 343 99

Adapter 17 for connection extension hose 17 with 5 mm hose of FE iron



005 36 338 99

Connection nipple for 5 mm hose of FE iron for direct connection to pipe system

Fume Extraction

Volume Extraction Units + Accessory

Volume Extraction

For applications where volume extraction is more suitable, e.g. solder baths, hot air soldering, micro solders and gluing work, Weller offers the mobile systems WFE 2S and WFE 4S. The units purify the air at upto 8 workplaces. A wide range of accessory is available for each system.

Extraction Units

Order No.	Model	Description
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005 36 266 99	WFE 2S	Portable fume extraction unit 230 V / 50 Hz, for volume extraction with built in turbine <ul style="list-style-type: none"> • Speed set by rotary potentiometer • Red/green LED to indicate filter condition • Interface RS 232 for optional remote control • Dimensions 320 x 320 x 395 mm (L x W x H) • Weight 19 kg • Power input 275 VA • Sound level 48db (A) at 1 m distance • Max. vacuum 2.700 Pa • Max. extraction rate 230 m3/h • Max. capacity 2 work places • Standard connection pipe system 50
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consists of:

Fume extraction unit 230 V / 50 Hz
 Compact filter (HEPA filter H13 + wide band gas filter 50 % active carbon / 50 % Puratex)
 Fine dust filter F 5

Order No.	Model	Description
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005 36 466 99	WFE 2S	Portable fume extraction unit 230 V / 50 Hz, for volume extraction with built in turbine with adhesive fume filter Same as WFE 2S but with adhesive fume filter
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consists of:

Fume extraction unit 230 V / 50 Hz
 Compact filter for adhesive fumes
 (wide band gas filter 50 % active carbon / 50 % Puratex)
 Fine dust filter F 5

Order No.	Model	Description
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005 36 436 99	WFE 2Kit1	Portable fume extraction kit 230 V / 50 Hz, for 1 workplace
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consists of:

WFE 2S Fume extraction unit 230 V / 50 Hz
 Compact filter (HEPA filter H13 + wide band gas filter 50 % active carbon / 50 % Puratex)
 Fine dust filter F 5

005 36 374 99	WFAN 50	WFAN 50 Extraction arm with nozzle, flexible, \varnothing 50 mm
005 36 379 99	WFTB 50	Bench mounting bracket
005 36 371 99	WFFMP 50	System seal
		Extraction hose 50, 3 m, \varnothing 50 mm

Fume Extraction

Volume Extraction Units + Accessory

Order No.	Model	Description
005 36 446 99	WFE 2Kit1	Portable fume extraction kit 230 V / 50 Hz, for 1 workplace with adhesive fume filter
	consists of:	WFE 2S Fume extraction unit 230 V / 50 Hz Compact filter for adhesive fumes (wide band gas filter 50 % active carbon / 50 % Puratex) Fine dust filter F 5
005 36 374 99	WFAN 50	WFAN 50 Extraction arm with nozzle, flexible, ø 50 mm
005 36 379 99	WFTB 50	Bench mounting bracket
005 36 371 99	WFFMP 50	System seal Extraction hose 50, 3 m, ø 50 mm

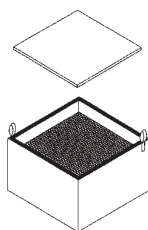


Order No.	Model	Description
005 36 456 99	WFE 2Kit2	Portable fume extraction kit 230 V / 50 Hz, for 2 workplaces
	consists of:	WFE 2S Fume extraction unit 230 V / 50 Hz Compact filter (HEPA filter H13 + wide band gas filter 50 % active carbon / 50 % Puratex) Fine dust filter F 5
005 36 374 99	WFAN 50	2 x Extraction arm with nozzle, flexible, ø 50 mm
005 36 379 99	WFTB 50	2 x Bench mounting bracket
005 36 371 99	WFFMP 50	2 x System seal 2 x Extraction hose 50, 3 m, ø 50 mm
005 87 358 47		Hose connector 50

Order No.	Model	Description
005 36 486 99	WFE 2Kit2	Portable fume extraction kit 230 V / 50 Hz, for 2 workplaces with adhesive fume filter
	consists of:	WFE 2S Fume extraction unit 230 V / 50 Hz Compact filter for adhesive fumes (wide band gas filter 50 % active carbon / 50 % Puratex) Fine dust filter F 5
005 36 374 99	WFAN 50	2 x Extraction arm with nozzle, flexible, ø 50 mm
005 36 379 99	WFTB 50	2 x Bench mounting bracket
005 36 371 99	WFFMP 50	2 x System seal 2 x Extraction hose 50, 3 m, ø 50 mm
005 87 358 47		Hose connector 50

Spare filter for WFE 2S, WFE 2Kit1 and WFE 2Kit2

Order No.	Model	Description
005 87 358 84		Fine dust filter F 5 (10 pcs.)
005 87 358 85		Fine dust filter F 7 (10 pcs.)
005 87 358 83		Compact filter (HEPA filter H13 + wide band gas filter 50 % active carbon / 50 % Puratex)
005 87 358 95		Compact filter for adhesive fumes (wide band gas filter 50 % active carbon / 50 % Puratex)



Fume Extraction

Volume Extraction Units + Accessory

Order No.	Model	Description
005 36 256 99	WFE 4S	Mobile fume extraction unit 230 V / 50 Hz, for volume extraction with built in turbine <ul style="list-style-type: none"> • Electronically controlled • 3 Operating modes • LED display for filter condition indication • Interface RS 232 for optional remote control • Dimensions 320 x 320 x 395 mm (L x W x H) • Weight 21 kg • Power input 450 VA • Sound level 51db (A) at 1 m distance • Max. vacuum 2.800 Pa • Max. extraction rate 615 m3/h • Max. capacity 8 work places • Standard connection pipe system 75



consists of:

Fume extraction unit 230 V / 50 Hz
 Compact filter (HEPA filter H13 + wide band gas filter 50 % active carbon / 50 % Puratex)
 Fine dust filter F 5

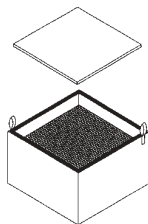
Order No.	Model	Description
005 36 496 99	WFE 4S	Mobile fume extraction unit 230 V / 50 Hz, for volume extraction with built in turbine with adhesive fume filter Same as WFE 4S but with adhesive fume filter

consists of:

Fume extraction unit 230 V / 50 Hz
 Compact filter for adhesive fumes
 (wide band gas filter 50 % active carbon / 50 % Puratex)
 Fine dust filter F 5

Spare Filter for WFE 4S

Order No.	Description
005 87 358 37	Fine dust filter F 5 (10 pcs.)
005 87 358 36	Fine dust filter F 7 (10 pcs.)
005 87 358 38	Compact filter (HEPA filter H13 + wide band gas filter 50 % active carbon / 50 % Puratex)
005 87 358 35	Compact filter for adhesive fumes (wide band gas filter 50 % active carbon / 50 % Puratex)











Pre Filter for WFE 2S And WFE 4S

Order No.	Description
005 87 358 62	Pre Filter for WFE 2S or WFE 4S to extend capacity
consists of:	
	Filter box
	Fine dust filter F 7
	2 x hose connection 75
005 87 358 60	Pocket filter for pre filter

Fume Extraction

Volume Extraction Units + Accessory

Accessory for Volume Extraction

	Order No.	Model	Description
	005 87 358 47		Hose connection 50 for WFE 2S and WFE 4S
	005 87 358 32		Hose connection 75 for WFE 2S and WFE 4S
	005 87 358 48		Hose connection 50, 90° for WFE 2S and WFE 4S
	005 87 358 33		Hose connection 50, 90° for WFE 2S and WFE 4S
	005 87 353 27		Extraction hose 50, ø 50 mm, by metre
	005 87 353 13		Extraction hose 75, ø 75 mm, by metre
	005 87 358 79		Hose clamp 50 - 70 mm, for extraction hose 50, 2 units
	005 87 358 31		Hose clamp 70 - 90 mm, for extraction hose 75, 2 units
	005 87 358 49		Extraction arm 50, flexible, with articulated joint and airflow control valve and bench clamp. ESD safe
	005 36 374 99	WFAN 50	Extraction arm 50, ø 50 mm, with nozzle ø 50 mm, max. length 800 mm, ESD safe
	005 36 372 99	WFAF 50	Extraction arm 50, ø 50 mm, with funnel ø 100 mm, max. length 840 mm, ESD safe
	005 36 373 99	WFAS 50	Extraction arm 50, ø 50 mm, with flat nozzle 210 x 20 mm, max. length 820 mm, ESD safe

Fume Extraction

Accessory for Tip and Volume Extraction

Pipe System 50 Tip Extraction

Tip extraction systems demand a high value and constant level of vacuum across the installation, the volume of air extracted is of lesser importance. To achieve this it is necessary to use a pipe system with relatively small diameter. The Weller pipe system 50 allows extraction installations of up to 200 m when used with the WFE 20D unit in a stand alone system. The pipe sections are designed to stick together and have internal sealing bushes. In a central system, the FE irons are connected directly to the fume extraction units.

	Order No.	Model	Description
	005 36 323 99		Pipe 2m, with seal at one end, plastic, black
	005 36 322 99		Right angle pipe, 90°, 0,5 m, with seal at one end, plastic, black
	005 36 344 99		T-piece, 2 x 90°, 1 m, with 3 seals, plastic, black
	005 36 321 99		Branch, 2 x 45°, 1m, with 2 seals, plastic, black
	005 36 319 99		Double socket, plastic, black
	005 36 324 99		End seal, plastic, transparent
	005 36 329 99		Pipe clamps, plastic, grey







Fume Extraction

Accessory for Tip and Volume Extraction

Pipe System 75 Volume Extraction

Volume extraction systems require a large volume of air to be extracted and the level of vacuum is of lesser importance. This means that a relatively large diameter pipe system is required, if the pipe diameter was too small the flow resistance would increase and extraction capacity reduced. The pipe system 75 allows installations up to 30 m with the WFE 4S uses in a stand alone system. The pipe sections are designed to stick together and have internal sealing bushes

Pipe System 75

Order No.	Model	Description
	005 87 358 70	Pipe 2m, with seal at one end, plastic, black
	005 87 358 69	Right angle pipe, 90°, 0,5 m, with seal at one end, plastic, black
	005 87 358 71	T-piece, 2 x 90°, 1 m, with 3 seals, plastic, black
	005 87 358 55	End seal, plastic, transparent
	005 87 358 64	Pipe clamps, plastic, grey
	005 87 358 63	Adapter pipe system 75 to pipe system 50, with seals
	005 87 358 56	Adapter pipe system 75 to pipe system 50, without seals

Exhaust Adapters for Blow Waste Air Out of Building

Order No.	Model	Description
005 87 359 20		Exhaust adapter of pipe 100 to WFE 20D
005 87 358 40		Exhaust adapter of pipe 100 to WFE 4S
005 87 359 15		Exhaust adapter of pipe 75 to WFE 2S

Remote Control



Order No.	Model	Description
005 87 359 09		Remote control for use with WFE 20D, WFE 2S and WFE 4S



005 31 191 99		Interface cable RS 232, 2 m
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Accessory

Temperature Measuring and Calibration

WCB 2 Measuring and Calibration Box

The WCB 2 is an external input unit for programming additional functions. It works with every digital Weller station. The setting is fast and easy. Battery powered supply makes the box independent from any mains and easy to transport. The WCB 2 has an PC interface (RS 232) and an integrated temperature gauge for thermo couple type K (accessory). The functions are:

- OFFSET: correction value for soldering tip temperature
- SETBACK: Reduction of the set temperature after a specified period of time
- LOCK: locking the set temperature
- °C / °F: switching temperature display °C / °F
- WINDOW: setting a set value window. If the actual temperature is within the set value window a potential-free contact is activated (only PUD 81R Power unit page 59)
- Temperature measuring tips are available for each soldering iron



Order No.	Model	Description
005 31 180 99	WCB 2	Calibration unit

consists of:

Calibration box
Battery 4 x 1,5 V

Accessory:

005 31 184 99	Network adapter 230 V, 50 Hz
005 31 190 99	Thermoelement type K o 0,5 mm
005 31 191 99	Interface Cable RS 232

WTT 1 Temperature Measuring Unit

The WTT 1 digital temperature measuring system has been specially designed for measuring the temperature of soldering iron tips. The probe has a double sensor system and an own internal heat source. The measured temperature is fed to a control system that records the flow of heat in the probe and stabilises it with the aid of the internal heat source. This design ensures that no heat is drawn by the probe from the object to be measured. Erroneous measurements due to the large thermal load of the probe are thus prevented. The measured temperature is indicated on a three-digit LED display to a resolution of 1°C. A red dot in the display is used to indicate the measured value and simplifies the reading of the measured temperature. An adjustable preheat temperature ensures a rapid response even at high temperatures. Different methods of equipotential bonding and the ESD appropriate design of the control unit and probe supplement the quality of this measuring unit.



Order No.	Model	Description
005 31 246 99	WTT 1	Temperature measuring system

- Temperature range 50°C - 500°C
- Tolerance $\pm 5^\circ\text{C}$
- Dimensions 166 x 115 x 101 mm (L x W x H)

consists of:

005 29 109 99	Power unit Probe for WTT 1
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Accessory

Heating Plates

Heating plates are used to preheat circuit boards under repair to reduce the possibility of thermal damages and to reduce the heat requirement of the soldering tool for speeding up the repair process.



Order No.	Model	Description
005 27 028 99	WHP 80	Heating plate 80 W, 24 V, 80 x 50 mm

- for use with all Weller 80 W soldering stations
- Heating surface 80 x 50 mm
- Size housing 150 x 120 x 65 mm (L x W x H)
- Temperature range 50°C - 200°C
- ESD safe

consists of:

Heating plate



Order No.	Model	Description
005 33 066 99	WHP 300	Heating plate 300 W, 230 V, 100 x 160 mm

- Digital display for set and read temperature
- Isolated supply
- External sensor (accessory) connectable
- Heating surface 100 x 160 mm (Europe-Card-Size)
- Size housing 220 x 160 x 45 mm (L x W x H)
- Temperature range 50°C - 300°C
- +/- 2°C from end value
- ESD safe

consists of:

005 33 066 72

Power unit 300 W, 230 V

005 33 160 99

Heating plate

Accessory:

005 33 161 99

Hand support antistatic

005 87 017 23

External sensor



Order No.	Model	Description
005 33 386 99	WHP 3000	Heating plate 600 W / 230 V, 120 x 190 mm

- Digital display for set and read temperature
- Electronic temperature control
- 3 High temperature ceramic elements for fast and efficient heat up
- Two heated zones can be selected
- External sensor (accessory) connectable
- RS 232 Interface e.g. for connection to Weller hot air stations WHA 3000
- Heating surface 120 x 190 mm
- Temperature range 50°C - 400°C
- ESD safe

consists of:

Heating plate 200 W / 600W, 230 V



Order No.	Model	Description
005 33 646 99	WHP 3000	Heating plate 1200 W, 230 V, 190 x 245 mm same as WHP 3000 but with heatable surface 190 x 245 mm

consists of:

Heating plate 1200 W, 230 V

Accessory:

005 31 191 99

Interface Cable RS 232

005 31 190 99

External sensor 0,5 mm

005 33 163 99

WBH 3000S

PCB board holder with pivoting stand

005 33 162 99

WBH 3000

PCB board holder without stand

Accessory

PCB Board Holders

For retaining and securing the circuit boards under repair.



Order No.	Model	Description
005 15 026 99	ESF 120ESD	PCB board holder <ul style="list-style-type: none"> • Max. size 160 x 235 mm • Rotates through 360° in increments of 15° • Spring clamp • Cushioned arm for component fixing • ESD safe



Order No.	Model	Description
005 33 163 99	WBH 3000S	PCB board holder with pivoting stand for WHA 3000P and WHA 3000V <ul style="list-style-type: none"> • Max. size 310 x 320 mm • Board positioning in X and Y directions • For single and doublesided boards • Pivoting stand to mount hot air pencil HAP 3000 • Stop+Go function for mounted hot air pencil • Heating plate WHP 3000 could be fitted under the board holder



Order No.	Model	Description
005 33 162 99	WBH 3000	PCB board holder without pivoting stand <ul style="list-style-type: none"> • Same as WBH 3000S but without pivoting stand

Accessory for WBH 3000S + WBH 3000:

005 87 548 73	Adjustable circuit boarder stop
005 87 557 45	Support for large dimensioned circuit boards
005 87 557 41	Downholder for circuit boards
005 87 549 24	Clamping set for irregular shaped circuit boards (e.g. mobile phones, video/digital camera boards, etc.) (see page 103)

Accessory

Soldering Bathes

Rework preparation tool e.g. for tin coating of wire ends and leads of all extraneous components.



Order No.	Model	Description
005 61 093 99	W 101H	Miniature soldering bath 100 W, 230 V <ul style="list-style-type: none"> • Miniature soldering bath with horizontal stand • inside \varnothing 17,4 mm, depth 22 mm • Temperature 330°C • Magnastat temperature control • different temperatures available (accessory)
consists of:		soldering bath with 330°C insert horizontal stand
Accessory:		
005 11 706 99		Insert for temperature 285°C
005 11 707 99		Insert for temperature 330°C
005 11 708 99		Insert for temperature 380°C
005 11 709 99		Insert for temperature 450°C



Order No.	Model	Description
005 27 040 99	WSB 80	Soldering bath 80 W, 24 V <ul style="list-style-type: none"> • Connectable to all Weller digital stations with minimum 80 W • Size housing: 150 x 120 x 65 mm (L x W x H) • Size bath: Inside \varnothing 20 mm, depth 25 mm • Temperature range 50°C - 450°C • Heat-up time ~ 7 min (50°C - 350°C)
consists of:		Soldering bath



Order No.	Model	Description
005 27 042 99	WSB 150	Soldering bath 150 W, 24 V <ul style="list-style-type: none"> • Connectable to all Weller digital stations with minimum 150 W • V2A tray to guard against dripping solder residue • Size housing: 150 x 120 x 65 mm (L x W x H) • Size bath: 58 x 33 x 19 mm (L x W x H) • Temperature range 50°C - 550°C • Warm-up time ~ 11 min (50°C - 350°C)
consists of:		Soldering bath

Accessory

Miscellaneous

Stripping Tools

Order No.	Model	Description
005 25 030 99	WST 20	Thermal stripping tool 50 W, 24 V

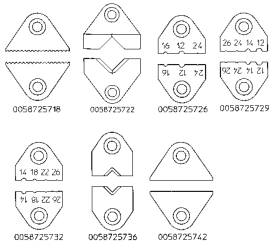


consists of:

- 005 13 030 99
- 005 87 270 71
- 005 87 250 34
- 005 87 257 18
- 005 87 257 42
- 005 87 257 26

The WST 20 temperature controlled thermal stripping tool is suitable to all digital Weller stations. It strips off thermoplastic insulation materials by using precisely shaped stripping blades. The stripping length is adjustable up to 30 mm. Optimal temperature control via power unit (accessory)

- Wire stripping tool
- Antiblock paste 10 g
- Wrench SW 8
- Brush
- Flat cable knife set 1,27 mm
- Cutting knife set
- Knife set AWG 12, 16, 24
- Safety rest



- Accessory:
- 005 87 257 18
 - 005 87 257 22
 - 005 87 257 26
 - 005 87 257 29
 - 005 87 257 32
 - 005 87 257 36
 - 005 87 257 42

- Flat cable knife set 1,27 mm
- Universal knife set
- Knife set AWG 12, 16, 24 (2,0, 1,3, 0,51 mm)
- Knife set AWG 12, 14, 24, 26 (2,0, 1,6, 0,51, 0,4 mm)
- Knife set AWG 14, 18, 22, 26 (1,6, 1,02, 0,64, 0,4 mm)
- V Knife set 4,25 mm x 2 mm
- Cutting knife set

Order No.	Model	Description
005 25 031 99	WST 82	Thermal stripping tool 80 W, 24 V, with flexcord

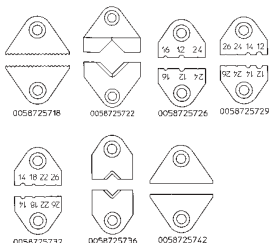
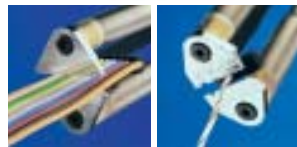


consists of:

- 005 13 030 99
- 005 87 270 71
- 005 87 250 34
- 005 87 257 36

The WST 82 temperature controlled thermal stripping tool is suitable to all digital Weller stations with minimum 80 W. It strips off thermoplastic insulation materials by using precisely shaped stripping blades. The stripping length is adjustable up to 30 mm. Optimal temperature control via power unit (accessory). Flex cord for 1,5 - 3,5 m working distance

- Wire stripping tool
- Antiblock paste 10 g
- Wrench SW 8
- Brush
- V Knife set 4,25 mm x 2 mm
- Safety rest



- Accessory:
- 005 87 257 18
 - 005 87 257 22
 - 005 87 257 26
 - 005 87 257 29
 - 005 87 257 32
 - 005 87 257 36
 - 005 87 257 42

- Flat cable knife set 1,27 mm
- Universal knife set
- Knife set AWG 12, 16, 24 (2,0, 1,3, 0,51 mm)
- Knife set AWG 12, 14, 24, 26 (2,0, 1,6, 0,51, 0,4 mm)
- Knife set AWG 14, 18, 22, 26 (1,6, 1,02, 0,64, 0,4 mm)
- V Knife set 4,25 mm x 2 mm
- Cutting knife set

Accessory

Miscellaneous

Desoldering Pumps

With the hand-held desoldering pumps a vacuum is produced by means of a piston, cylinder and spring force. The piston is tensioned manually and secured automatically. The piston is moved back suddenly by pressing the release button and a vacuum is created briefly so that the soldered joint is freed of liquified solder.

Order No.	Model	Description
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SA21A	SA 21 A	Manuel desoldering pump <ul style="list-style-type: none"> • Length 200 mm • Metal housing • antistatic
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Accessory:

SA21A1	SA 21A1	Desoldering tip antistatic for SA 21A
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Order No.	Model	Description
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PS100A	PS 100A	Manuel desoldering pump <ul style="list-style-type: none"> • Length 150 mm • Strong vacuum, minimal rebound • Metal housing • antistatic (with tip PS 1001A)
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Accessory:

PS1001A	PS 1001A	Desoldering tip antistatic for PS 100A
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Order No.	Model	Description
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PS200A	PS 200A	Manuel desoldering pump <ul style="list-style-type: none"> • Length 200 mm • Strong vacuum, minimal rebound • Metal housing • antistatic (with tip PS2001A)
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Accessory:

PS2001	PS 2001	Desoldering tip Teflon for PS 200A 2,70
PS2001A	PS 2001A	Desoldering tip antistatic for PS 200A

Order No.	Model	Description
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PS3001A	PS 3001A	Desoldering tip antistatic for manuel desoldering pump PS 300A
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Vacuum Pen

For easy pick and place of delicate SMD components. The vacuum pen avoids stress and damages to the versatile compact sized pen is independent from compressed air or batteries.



Order No.	Model	Description
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WLSK200	WLSK 200	Vacuum pen
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Accessory:

WLSKT18	WLSKT 18	Replacement tip, rubber 3,2 mm
WLSKT38	WLSKT 38	Replacement tip, rubber 9,5 mm
KDS260S	KDS 260S	Replacement rubber 3,2 mm
KDS260L	KDS 260L	Replacement rubber 9,5 mm

Accessory

Miscellaneous

Solder Dispenser



Order No.	Model	Description
005 13 017 99	SD 1000	Solder dispenser <ul style="list-style-type: none"> • for coils up to 1000 g • for use of coil up to: length 95 mm, core $\varnothing > 17$ mm length 84 mm, core $\varnothing < 12$ mm

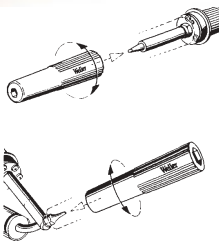


Order No.	Model	Description
005 13 013 99	ABW 2	Extension for additional reel <ul style="list-style-type: none"> • to be fixed on SD 1000 • for coils up to 1000 g • for use of coil up to: length 95 mm, core $\varnothing > 17$ mm length 84 mm, core $\varnothing < 12$ mm

Cleaning Set for Desoldering Nozzles



Order No./Model	Description
005 13 500 99	Cleaning set complete <ul style="list-style-type: none"> • for cleaning of desoldering nozzles and for nozzle exchange
consists of:	
005 87 488 61	Handle
005 13 501 99	Replacement needle set 0,4 mm / 0,9 mm / 1,4 mm / 1,9 mm



Accessories	Description
005 13 501 99	Replacement needle set standard 1 x each 0,4 mm / 0,9 mm / 1,4 mm / 1,9 mm
005 13 502 99	Replacement needle set 1 x 1,9 mm, 3 x 0,9 mm
005 13 503 99	Replacement needle set 1 x 1,9 mm, 3 x 0,4 mm
005 13 504 99	Replacement needle set 1 x 1,9 mm, 3 x 1,4 mm
005 87 488 61	Handle



PCB Training Set

Order No./Model	Description
005 55 066 99	PCB training set <p>This set offers the opportunity to gain experience in soldering and desoldering of SMD components. The different soldering and desoldering techniques can be taught without damaging the expensive regular components or boards. The set consists of two boards and SMD components starting with chip 0402 up to QFP 208 with 0,5 pitch, BGA 256</p>

Accessory

Miscellaneous

Lead free solder



Order No.	Description
005 13 822 99	Lead Free Solder Wire Weller lead free solder wire for hand soldering application. The wire is save packed in a ESD safe handy red. ø 0,5 mm SN 96,5 AG3,0CU-0,5 F3L1, 4,0 m
005 13 823 99	ø 1,0 mm SN 96,5 AG3,0CU-0,5 F3L1, 1,5 m



Order No.	Model	Description
005 13 031 99		Tip Activator The Weller Tip Activator for regeneration of oxidized tips works fast and easy with low temperature. The Tip Activator is environmentally safe and contains no halides, lead, rosin or residue. Regular use will prolong the life time of the tips. Content 43 g. Packaging unit 6 pcs.



Order No.	Model	Description
005 13 030 99		Antiblock Paste The Weller Antiblock paste is to prevent screwed in desoldering nozzles (e.g. DS 80) seizing due to oxidation or heat. Regular use will ensure easy tip exchange. Content 10 g.



Order No.	Model	Description
005 13 010 99		Desoldering Wires The desoldering wire consists of a copper net with flux F-SW32. The special surface treatment allows efficient solder removal.
005 13 011 99		Desoldering wire 1,6 m coil, width 1,5 mm
005 13 012 99		Desoldering wire 1,6 m coil, width 2 mm
005 13 028 99		Desoldering wire 15 m coil, width 2,5 mm
005 13 026 99		Desoldering wire 30 m coil, width 1,5 mm
005 13 027 99		Desoldering wire 30 m coil, width 2 mm



Order No.	Model	Description
005 13 016 99		Flux Set Liquid flux with brush, 100 ml, type 1.1.3.A (F-SW32), EN29 454. Remaining flux is not corrosive.



Order No.	Model	Description
005 33 525 99		Flux Pen For easy and exact application of flux, eliminating the mess from flux bottles. The spring loaded tip dispenses just the right amount of flux to the soldering joint. Body and function like a text marker. Content 10 cm ³ , Halogen-free, not refillable. Flux type 1.1.3.A (F-SW32), EN29 454.

Accessory

Miscellaneous



Order No.	Model	Description
SM15748BK		Spot-Mask The Spot-Mask is a material to protect connectors of PCBs from tinning during the reflow process. For manual rework the Spot-Mask is easily applied and removed. Mechanical I fixture after 6 min, hardened after 2 -3 hours by 20°C, 1 hour by 95°C. Stockable 12 months.

Insertion and Extraction Tools



Order No.	Model	Description
0054700199	DIP IC TO	Insertion tool
0054700299	DIP IC 6/8	Insertion tool
0054700399	DIP IC 14/16 I	Insertion tool
0054700499	DIP IC 24	Insertion tool
0054700599	DIP IC 40	Insertion tool
0054700699	DIP IC 18/20	Insertion tool
0054700799	DIP IC 28	Insertion tool
0054701199	PUL IC TO	IC Extraction tool
0054701299	PUL IC 6/8	IC Extraction tool
0054701399	PUL IC 14/20	IC Extraction tool
0054701499	PUL IC 24/28	IC Extraction tool
0054701599	PUL IC 36-40	IC Extraction tool
0054702399	FLIP DIP 14/16	IC Extraction tool

Extension Cords for Soldering Irons



Order No.	Description
005 32 099 99	Extension cord 3-wire, 4 m for TCP S, T 3001
005 25 098 99	Extension cord 5-wire, 4 m, up to 50 W, for LR 21, MLR 21, WTA 50
005 26 098 99	Extension cord 7-wire, 3 m, up to 80 W, for WMP, WSP 80, LR 82

Accessory

Safety Rests

Safety rests for all Weller soldering and desoldering tools, complete with sponge.
See survey "Safety Rests" on page 53

	Order No.	Model	Description
	005 15 010 99	AK 1	Safety rest for DS 80 (+ UNC), DSX 80 desoldering iron, LR 21, LR 82 soldering iron, HAP 1 hot air pencil
	005 15 045 99	AK 10	Safety rest without sponge for HAP 2 (WHA 2000), HAP 3 (WHA 700)
	005 15 030 99	AK 20	Safety rest for DS 80 (+ UNC), DSX 80 desoldering iron, FE 50, FE 50M, FE 75, FE 80 soldering iron, LR 21, LR 82, TCP S soldering iron with FE attachment, HAP 1 hot air pencil
	005 15 012 99	AK 21	Safety rest for MPR 30, MPR 80 Peritronic soldering iron, MLR 21FE soldering iron
	005 15 042 99	AK 51	Safety rest for WTA 50 desoldering tweezers
	005 15 028 99	AKS	Safety rest for WSF P5/8 (WSF 81D5/8 solder feeder) with
	005 15 043 99	AKT 30	Safety rest for HAP 3000 with Stop+Go function

Accessory

Safety Rests

	Order No.	Model	Description
	005 15 038 99	AKV	Safety rest for DSV 80 (+ UNC), DSVT 80, DSXV 80
	005 15 004 99	KH 4	Safety rest for W 61 soldering iron with straight tip
	005 15 006 99	KH 6	Safety rest for W 101 soldering iron with straight tip
	005 15 019 99	KH 15	Safety rest for MLR 21 soldering iron
	005 15 020 99	KH 20	Safety rest for LR 21, T 3001, TCP S soldering iron, FE 50, FE 50M, FE 75, FE 80 soldering iron
	005 15 023 99	KH 23	Safety rest for FE 25, FE 50, FE 50M, Fe 75, FE 80 soldering iron
	005 15 033 99	KH 25P	Safety rest for MLR 21, MLR 21FE, MT 1500, MT 1500FE soldering iron, MPR 30, MPR 80 Peritronic soldering iron

Accessory

Safety Rests

	Order No.	Model	Description
	005 15 027 99	KH 27	Safety rest for LR 82, WSP 150 soldering iron, HAP 1 hot air pencil
	005 15 076 99	KHE	Basic unit electric (for WFE P) Stop+Go + safety rest with fibre optic sensor for FE 25, FE 50, FE 50M FE 75 and FE 80
	005 15 086 99	KHP	Basic unit pneumatic (for WFE) Stop+Go + safety rest with fibre optic sensor for FE 25, FE 50, FE 50M FE 75 and FE 80
	005 15 080 99	KHE/P	Second safety rest with fibre optic sensor for extending to 2 workplaces
	005 15 083 99	KHE 80	Basic unit electric (for WFE P) Stop+Go + safety rest with fibre optic sensor for WSP 80FE
	005 15 084 99	KHP 80	Basic unit pneumatic (for WFE) Stop+Go + safety rest with fibre optic sensor for WSP 80FE
	005 15 141 99	KHE 80/P 80	Second safety rest with fibre optic sensor for extending to 2 workplaces

Accessory

Safety Rests

	Order No.	Model	Description
	005 15 052 99	WDP	Combi support for dispenser and vacuum pick-up (WMA 3V desoldering station)
	005 15 140 99	WPH 80	Safety rest for WSP 80, WSP 80FE soldering iron, MLR 21 with FE attachment
	WPHM	WPHM	Safety rest for WMP soldering iron
	WPHT	WPHT	Safety rest with Stop+Go function for WSP 80IG inert gas soldering iron, WMP, WSP 80, WSP 80FE soldering iron MPR 30, MPR 80 Peritronic soldering iron
	005 15 048 99		Stand for HAP 3000, HAP 2, HAP 3 hot air nozzles, for 6 nozzles, facilitates nozzle change
	6965A	6965A	Stand for 6966 hot air heat gun

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General delivery conditions and terms of payment

1. General Provisions

1.1 The conditions set for the here in below shall apply to each order. Any other terms and conditions shall be binding on us only if they have been confirmed by us in writing. Should an order be performed by us despite our being aware of other discrepant terms and conditions, this does not constitute a confirmation of the application of such other discrepant conditions.

1.2 Orders shall be executed in accordance with our written order confirmation. This shall also apply to customized products. Drawings, measurements and weights indicated in the price lists constitute approximations customary in the trade.

1.3 Quotations are not binding and are subject to change.

2. Prices

2.1 The sales prices, terms and conditions valid on the date of the order confirmation shall apply. If delivery is effected more than 4 months after conclusion of the contract, the prices, terms and conditions valid on the date of delivery shall apply.

2.2 Value added tax in force on the date of delivery shall be payable on top of the price agreed.

2.3 Prices are ex works or ex warehouse of our agent including packaging, unless otherwise agreed.

3. Delivery

3.1 Orders valued at over Euro 500,- net are delivered freight prepaid within Germany or FOB German border. The minimum order value is Euro 75,-. For orders under Euro 75,- we charge an additional processing fee of Euro 15,-.

3.2 Delivery is effected at the expense and risk of the buyer from the factory warehouse or warehouse of our agent. The transport route and type of transportation shall be chosen at our discretion. At the buyer's request the consignment shall be insured at the buyer's expense.

3.3 Delivery periods and delivery dates, which may be agreed as being binding or non-binding, shall apply subject to the precondition that production is free of any disturbance and adequate raw materials and supplies are available. Non-compliance with a delivery date shall entitle the buyer to rescind the contract only under the condition that the buyer has already set a reasonable extended deadline. Setting a deadline is dispensable, if we had confirmed a delivery date in writing and knew that the buyer had no interest in the performance in case of late delivery. Our liability for damages and compensation of expenditure under § 284 Civil Code (BGB) on account of late delivery shall be governed by Article 10.

3.4 If we are prevented from delivering because our operating procedures or those of our suppliers are disturbed in such a way as was impossible to avert using reasonable care, or due to labour disputes or force majeure, the delivery deadline shall be extended appropriately. If delivery should become impossible as a result thereof, our obligation to deliver shall lapse without any obligation arising for us to compensate for damage.

3.5 We have the right to rescind the contract if the financial situation of the buyer should deteriorate by the delivery date, so that under the circumstances of which we become aware, punctual or complete performance of the buyer's payment obligation does not appear likely.

3.6 Modifications in design or form by the manufacturer are reserved during the delivery period insofar as the product being sold is not considerably modified and provided that the modifications are reasonably acceptable for the buyer.

3.7 A minimum order size is compulsory in case of customized products manufactured on the basis of a sample or drawing. We reserve the right to supply 15% more or less. Customized products are not returnable.

4. Objections to Defects and Complaints

4.1 The precondition for the buyer's asserting any and all claims on account of defects is compliance with the duty to examine and object to defects set forth in Section 377 German Commercial Code [HGB]. This also applies in case of recourse by the buyer in accordance with Sections 478, 479 German Civil Code [BGB].

4.2 An objection to a defect discernable externally

shall only be deemed effected on time if we receive such objection within 10 days of delivery of our consignment to the buyer. Concealed defects must be objected to as soon as they are discerned, functional defects must be notified immediately after commissioning the equipment.

5. Rights of the buyer in case of defects

(formerly warranty) In case of defects (which must have existed at the time of passing of risk to trigger off liability) our liability is as follows:

5.1 We shall effect subsequent performance by delivering a defect-free product unless it is absolutely imperative for the buyer to have the defect remedied and provided that it is possible for us to do so at reasonable expense. We have to be given reasonable time and opportunity to effect subsequent performance. If we are not given this possibility we are released from the obligation to effect subsequent performance and to this extent from further claims on account of defects.

5.2 If no subsequent performance is effected within the deadline set, the buyer shall be entitled to demand damages in lieu of performance and/or rescission in case of considerable defects and, also in case of minor defects, to demand a reduction of the purchase price in lieu of rescission. Setting a deadline as required under subsection

5.1 Above is dispensable only if we have definitively refused to effect subsequent performance, if at least three abortive attempts have been made to effect subsequent performance and if, in case of delivery not properly effected on time on a specific date, we had confirmed a delivery date in writing and knew that the buyer had no interest in subsequent performance if contractual delivery is not effected on time.

5.3 Our duty to pay damages and compensate for any abortive expenses within the meaning of Section 284 BGB on account of defects shall be governed by Article 10. Further reaching claims or claims other than those governed by this Article 5 are excluded on account of defects.

5.4 Subsequent performance and other claims on account of defects do not extend to natural wear and tear or to damage arising after the transfer of risk due to faulty or careless treatment, excess strain, unsuitable operating resources or which arise due to special external influences which are not provided for under the terms of the contract, or to improper modifications or maintenance by the buyer.

5.4 In case of objections to defects the buyer may only withhold payment to an extent which is commensurate with the defects arising.

5.5 The buyer's claims on account of defects shall become time-barred one year after delivery to the buyer. This shall not apply to the buyer's rights to recourse pursuant to Sections 478, 479 BGB.

5.6 We are only liable on the basis of a guarantee given by us if the guarantee of the characteristics or durability is given by us in writing and uses the term "guarantee".

6. Returning the products

Products shall only be taken back after a written agreement has been issued by the sales management. The returned products must be in re-saleable condition and in accordance with the current state of the art. Products returned shall be issued with a credit note for the original price less a 15% deduction for processing and transport costs. Customized products may not be returned.

7. Payments

7.1 Invoices are payable within 14 days less a 2% discount, alternatively the net amount is payable within 30 days. No higher discount is given.

7.2 We reserve the right to charge default interest in case of late payment.

7.3 Payments made are always offset against the oldest invoice due.

7.4 Bills of exchange are not accepted as a means of payment.

7.5 Payments shall be deemed effected on the day on which we can dispose of the funds.

7.6 A right of retention or offset may only be asserted by the buyer in case of claims which are expressly undisputed or which have been ruled res judicata by a court of law.

8. Reservation of title

8.1 We retain title to the goods delivered pending performance in full of all claims to which we are entitled on the basis of the business relation with the buyer. This shall apply subject to the proviso that the reservation of title shall expire definitively upon each settlement of the account during the course of the business relation and that we shall release our security at our discretion at the request of the buyer to the extent that the value of our security lastingly exceeds our outstanding claims by more than 20%. At any event we shall retain title to the goods delivered pending complete payment of the purchase price for the specific goods.

8.2 The buyer is only entitled to on-sell the goods with reserved title in the normal course of business. Pledging the goods or assigning them as security is not permissible. The buyer assigns to us all claims to which the buyer is entitled on the basis of the further sale of the goods with reserved title in the amount of our claim. At our request the buyer shall advise its customers of the assignment and support us in collecting the claims.

8.3 Loss, damage, attachment or other interference in the goods with reserved title by third parties or attachment of the assigned claims are to be notified immediately. Insofar as we recover the goods with reserved title due to danger of damage or other improper treatment, this does not constitute rescission of the contract. Costs arising in connection with asserting our claims shall be refunded by the buyer.

8.4 The recovery of goods or assertion of our reserved title on account of default in payment constitutes rescission of the contract unless otherwise expressly stated by us in writing.

9. Impossibility

If the performance due by us is impossible due to a circumstance for which we are responsible, the buyer shall be entitled to claim damages. The amount of such claim for damages shall, however, be limited to 10% of the value of that part of the delivery which cannot be put into pertinent operation due to the impossibility. This shall not apply insofar as we are subject to compulsory liability in case of intent or gross negligence. The buyer's right to rescind the contract shall remain unaffected.

10. Liability

Claims for damages or compensation of expenditure by the buyer (hereinafter: claims for damages), irrespective of the legal ground thereof, in particular on account of a breach of duties arising from the obligatory relation or a tortious act, shall be excluded. This shall not apply insofar as there is compulsory liability for instance pursuant to the German Product Liability Act, in case of fatal or physical injury or damage to health, or in case of intent, gross negligence in case of issuance of a guarantee or in case of breach of an essential contractual obligations. Damages on account of a violation of material contractual obligations shall, however, be limited to foreseeable damage typical of the contract, except in case of intent or gross negligence. In cases other than those set forth in these terms and conditions, the buyer may only rescind the contract in the event of fault on our part.

11. Final Provisions

11.1 Insofar as these Terms and Conditions provide for liability for fault, whether it be with respect to damages or to rescission, only on account of gross negligence or intent by the seller, this does not involve any reversal of the duty of proof to the detriment of the buyer.

11.2 If one or several of the provisions contained in these Terms and Conditions should be ineffective, this shall not affect the effectiveness of the remaining provisions.

11.3 Place of performance for all obligations is Attendorn, Germany. If the buyer is a registered merchant under German law, either the courts with jurisdiction at the place of domicile of the buyer or, at our discretion, the courts with jurisdiction at the registered office of the company shall have jurisdiction and venue.

11.4 Our contractual relation shall be governed by the laws of the Federal Republic of Germany.

Issued May 2003



C E R T I F I C A T E

DQS GmbH

Deutsche Gesellschaft zur Zertifizierung von Managementsystemen

hereby certifies that the company


COOPER Hand Tools

Cooper Tools GmbH

Carl-Benz-Strasse 2
D-74354 Besigheim

for the scope

Development, manufacturing and Distribution of
electronical and soldering tools, soldering systems and handtools

has implemented and maintains a

Quality Management System.

An audit, documented in a report, has verified that this
quality management system fulfills the requirements
of the following standard:

DIN EN ISO 9001 : 2000

December 2000 edition

This certificate is valid until 2006-06-23

Certificate Registration No.: 000839 QM

Frankfurt am Main, Berlin 2003-06-24

Dr.-Ing. K. Petrick

Dipl.-Ing. S. Heinloth

MANAGING DIRECTORS



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