

Soldering

	Page		Page
Antex Soldering Stations	2505	Pace Soldering/De-Soldering Stations	2516
Antex Tips & Accessories	2506	Pace Tips & Accessories	2520
De-Soldering Braid	2541	Pick & Place	2541
De-Soldering Guns	2537	Solder Fluxes & Chemicals	2550
Duratool Soldering/De-Soldering Stations ...	2506	Solder Paste - Lead Free	2550
Ersa Soldering/De-Soldering Stations	2508	Solder Paste - Tin/Lead	2549
Ersa Tips & Accessories	2508	Solder Wire - Lead Free	2545
Fume Extraction Systems	2538	Solder Wire - Tin/Lead	2543
Gas Soldering Irons & Accessories	2499	Soldering Accessories	2536
Mains Soldering Irons	2502	Weller De-Soldering & Rework Stations	2533
Material Dispensing Systems	2551	Weller Hot Air Stations	2535
OKI/Metcal Soldering/De-Soldering Stations .	2509	Weller Soldering Stations	2523
OKI/Metcal Tips & Accessories	2512	Weller Soldering Tips	2529
Pace Handpieces	2518	Weller Spares and Accessories	2536

Gas Soldering Irons

WP60K Gas Soldering Iron kit



- Ergonomic handle
- 3 functions: soldering, hot air and blow torch
- Approximately 1 hours operation on full reservoir
- Gas level sight glass
- 500°C when used as a soldering iron
- 650°C when used as a hot air blower
- 1300°C when used as a blow torch

WP60K Contents:
WP60 Gas soldering iron, 0.5mm soldering tip, hot blow nozzle, hot knife tip and protective cap



241274

	Mftrs.	Order Code	Price Each
	List No.		
WP60K Kit	0051608799	476-9521	
Tips			
1.0mm Tapered	0051644399	412-2318	
2.4mm Chisel	0051644499	412-2320	

Gas Soldering Iron

Pyropen Junior, Self Igniting



- Self igniting butane gas operated soldering iron
- Adjustable gas flow gives equivalent 15W to 60W output
- Approximately 1 hours operation on full reservoir
- Heat up time is 30 seconds
- Can be fitted with hot blow nozzles
- Not supplied with gas

212572

	Mftrs.	Order Code	Price Each
	List No.		
Pyropen	WSTA6	559-799	
Tips			
1.0mm Needle*	WPT01	559-805	
2.4mm Chisel	WPT02	559-817	
2.0mm Spade	WPT03	559-829	
Hot Blow Nozzles			
1.5mm Dia.	WPT0150	559-842	
4.7mm Dia.	WPT0152	559-854	

*Fitted as standard

Gas Soldering Iron - 'Pyropen Junior'



- High quality miniature version of the pyropen
- Offers the same functions, soldering, blow torch and hot air torch, on a smaller scale
- Aluminium protective cap with pocket clip
- Temperature adjustable
- Operates on standard butane gas
- Supplied fitted with 0.5mm tapered needle soldering tip WPT-15

Length including cap=172

212690

	Mftrs.	Order Code	Price Each
	List No.		
Pyropen Junior	0051607599	148-9543	
Soldering Tips			
0.5mm Tapered Needle	WPT15	418-780	
2.5mm Screwdriver	WPT16	418-791	
2mm Sloped Round	WPT17	418-808	
Hot Blow Nozzles			
1.5mm	WHC54	418-810	
4.9mm	WHC55	418-821	

Gas Soldering Iron - 'Portasol'



Note: For safety reasons the iron is supplied discharged of gas.

- Economical, pocket sized portable soldering iron
- Temperature variable up to 400°C
- Heat output equivalent to a 10 to 60W soldering iron
- Powered by standard butane lighter fuel
- One refill gives up to sixty minutes continuous use
- Safety gas cut off cap incorporating a flint lighter
- Tips incorporate a catalytic converter for flame-free general purpose soldering
- Unit is supplied with a 2.4mm tip, with a range of replacement tips available

FOR SUITABLE GAS SEE ORDER CODE 120-6547

222227

	Order Code	Price Each
Portasol iron	148-636	
Replacement 1.0mm tip	148-710	
Replacement 2.4mm tip*	148-637	
Replacement 3.2mm tip	148-638	
Replacement 4.8mm tip	148-639	

*fitted as standard

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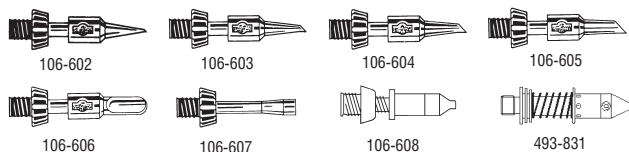


Gas Soldering Irons - continued

Gas Soldering Iron - 'Portasol Professional Kit'



Case H = 35, W = 230, D = 80



- Versatile, fully portable heat tool kit
- Runs off standard butane lighter fuel
- Single refill lasts up to 90 minutes
- Variable heat control
- Safety gas cut off cap with integral flint igniter
- Kit contains a pocket sized gas tool and four special purpose screw-in tips, gas tool stand and cleaning sponge, all housed in a tough polypropylene carry case

Standard Soldering Tip

- Output power 10-60W
- Catalytic converter for flame free general purpose soldering

Hot knife tip

- Also contains catalytic converter
- Ideal for use on plastics, nylon and synthetic materials

Hot blow tip

- Up to 400°C operating temperature
- Suitable for heat shrinking, defrosting and rapid drying over small areas
- Not supplied in kit

FOR SUITABLE GAS SEE ORDER CODE 120-6547

Note: Professional tips are not interchangeable with other models.

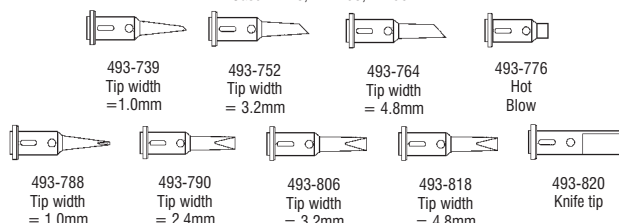
	Order Code	Price Each
Portasol professional kit	106-601	
Replacement tips		
1.0mm	106-602	
2.4mm▼	106-603	
3.2mm	106-604	
4.8mm▼	106-605	
Hot knife ▼	106-606	
Hot blow	106-608	

▼ Supplied with kit

Gas Soldering Iron 'SuperPro'



Case H=45, W=295, D=90



- High performance fully portable heat tool
- Power output of 25 to 125W
- Medium to heavy duty soldering applications
- Maximum tip temperature of 580°C
- Blow torch with maximum temperature output of 1200°C
- Ideal for heat shrinking, defrosting and rapid drying over small areas
- Use of knife tip allows unit to be used as versatile cutting tool
- Tip design encloses and protects catalytic converter from damage
- For user convenience includes a piezo ignition system
- Stainless steel reservoir holds sufficient gas for 2 hours continuous use on mid setting

Kit Contains: 1 iron, 1 soldering tip, 1 hot air tip, 1 Knife tip and a sponge tray.

FOR SUITABLE GAS SEE ORDER CODE 120-6547

Note: For safety reasons the iron is supplied discharged of gas

231492

	Order Code	Price Each
SuperPro Kit	493-715	
SuperPro Iron	493-727	
Replacement Tips		
Chisel 1.0mm tip	493-739	
Chisel 3.2mm tip	493-752	
Chisel 4.8mm tip	493-764	
Hot Blow tip ▼	493-776	
Screwdriver 1.0mm tip	493-788	
Screwdriver 2.4mm tip ▼*	493-790	
Screwdriver 3.2mm tip	493-806	
Screwdriver 4.8mm tip ▼	493-818	
Knife tip ▼	493-820	

▼ Supplied with kit

* Fitted as standard

Gascat 120P Gas Soldering Iron



- Butane gas powered soldering iron, fitted with soldering tip
- Equivalent to a 120W electric soldering iron
- 120 minutes of continuous use
- Soldering tip temperature 250-500°C
- Piezo automatic ignition
- Variable temperature, multi-function tool

Kit Contains: Iron fitted with soldering tip, flame tip, hot air tip, knife tip, stand, sponge and tray.

247977

	Mfrs. List No.	Order Code	Price Each
Iron	XG12P20	430-7203	
Iron Kit	XG12PKT	430-7215	

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SolderPro 70 Gas Soldering Iron



SolderPro 70 Kit (Case Size: 215x105x38mm)

- Butane gas powered iron
- Variable heat control, equivalent to 80W iron
- Lightweight and portable
- Tank holds enough fuel for up to 120 mins operation (at mid setting)
- Flint ignition
- Easy to refill
- S-01 bit fitted (1mm pencil) - S-06 blow torch also included
- Also available in a kit with the contents held in a sturdy case

Contents of SolderPro 70 (Kit):

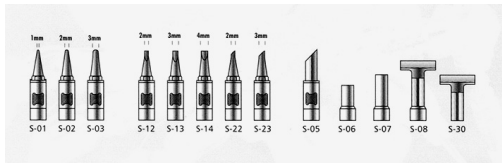
SolderPro 70 Iron with S-01 tip, solder dispenser with 60/40 rosin core 1mm solder, tip cleaning sponge + sponge holder, S-05 hot knife tip, S-06 blow torch tip, S-07 heat blower tip
 Soldering Tip Temperature 210 - 450°C (410 -850°F) Gas Container Capacity 20ml
 Torch Temperature 1300°C (2500°F) Dimensions (LxDia.) 190x25mm
 Equivalent Wattage 25 - 80W Weight (when filled) 76g

450068.439990

Price Each

Description	Order Code	Price Each
SolderPro 70	129-6806	
SolderPro 70 Kit	129-6807	

Tips for SolderPro 70



450069.440029

Price Each

Type	Ref.	Order Code	Price Each
1mm Conical	S-01	129-6808	
2mm Conical	S-02	129-6809	
3mm Conical	S-03	129-6810	
2mm Screwdriver	S-12	129-6816	
3mm Screwdriver	S-13	129-6817	
4mm Screwdriver	S-14	129-6818	
2mm Chisel	S-22	129-6819	
3mm Chisel	S-23	129-6820	
Heat Blower	S-07	129-6813	
Short Deflector	S-30	129-6805	

SolderPro 120 Gas Soldering Iron



SolderPro 120 Kit (Case Size: 275x165x45mm)

- Professional quality, butane gas powered iron
- Variable heat control, equivalent to 125W iron
- Lightweight and portable
- Tank holds enough fuel for up to 200 mins operation (at mid setting)
- Self-ignition, no need for flints
- Easy to refill
- PS-1 bit fitted (1.6mm conical)
- Also available in a kit with the contents held in a sturdy case

Contents of SolderPro 120K (Kit):

SolderPro 120 Gun with PS-1 tip, solder dispenser with 60/40 rosin core 1mm solder, heat shield tray, tip cleaning sponge + sponge holder, PS-3 screwdriver tip 2.4mm, PS-9 hot knife, PS-10 hot blower tip, PS-14 spare orifice assembly

Soldering Tip Temperature 250 - 550°C (480-1000°F) Gas Container Capacity 38ml
 Equivalent Wattage 30 - 125W Dimensions (LxDia.) 245x27mm
 Weight (when filled) 166g

450066.439954

Price Each

Description	Order Code	Price Each
SolderPro 120	129-6793	
SolderPro 120 Kit	129-6794	

Tips for SolderPro 120



Heat Blower: 6mm Ø, Deflector: 10mm Lateral Ø
 Note: Heat Deflector (S-30) not illustrated

450067.439975

Price Each

Type	Ref.	Order Code	Price Each
1.6mm Conical	PS-1	129-6795	
3.2mm Conical	PS-2	129-6797	
2.4mm Screwdriver	PS-3	129-6798	
3.2mm Screwdriver	PS-4	129-6799	
2.4mm Chisel	PS-5	129-6800	
3.2mm Chisel	PS-6	129-6801	
Hot Knife	PS-9	129-6803	
Heat Blower	PS-10	129-6804	
Heat Deflector	S-30	129-6805	

SolderPro 180 Gas Soldering Iron



SolderPro 180 Kit

- Self standing cushioned pistol grip soldering/torch tool for professional use
- Auto-ignition
- Max. power rating 185W electrical equivalent
- Ready to use in 30 seconds after ignition
- Three function tips change in seconds for soldering gun, torch or hot air blower
- Supplied with 2 x empty fuel cartridges (LEC-10) - Refill with any branded butane gas
- Suitable for automotive repairs, aviation service, heavy gauge wires, industrial cable repairs and much more
- Brazing up to 2,450°F
- Dimensions (HxL): 170x203mm (Including Tip)

Contents of SolderPro 180K (Kit):

SolderPro 180 Gun, 2 x Refillable fuel cartridges (LEC-10), solder dispenser with 60/40 rosin core 1mm solder, tip cleaning sponge + sponge holder, cleaning flux paste, desolder gun, 3 1/2" wire cutters, PS-80 deflector tip, PS-70 hot blower tip, PS-60 1.8mm conical tip, PS-75 spare orifice assembly, stainless steel cleaning brush

Soldering Tip Temperature 250 - 550°C (480 -1000°F)
 Equivalent Wattage 30 - 185W
 Torch Temperature 1300°C (2500°F)
 Gas Container Capacity 40ml
 Operating Time (one gas filling) 100 mins. (at mid setting)
 Handle Dimensions 38x41mm
 Weight (when filled) 560g

450064.439827

Description	Order Code	Price Each
SolderPro 180	129-6783	
SolderPro 180 Kit	129-6785	

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Gas Powered Heat Guns

Micro-jet Gas Torch



- Pocket sized - Ideal for soldering and jewellery repairs
- Auto ignition
- 1300°C windproof flame
- Safety lock
- Fuelled by a standard cigarette lighter (included) - Refill with any branded butane gas
- Dimensions (HxWxD): 110x65x25mm
- Weight: 60g

Mfrs.	Price Each
450131.440006	
List No.	Order Code
MJ-330	129-6825

Micro-Therm Gas Torch



- Ideal for drying, heating and shrink wrapping applications
- 650°C flameless heat
- Safety lock
- Fuelled by a standard cigarette lighter (included) - Refill with any branded butane gas
- Dimensions (HxWxD): 115x80x25mm
- Weight: 95g
- Supplied with heat deflector (17mm lateral ☺)

Mfrs.	Price Each
450132.440010	
List No.	Order Code
MJ-600	129-6827

Antex Mains Soldering Irons

XS25 Soldering Iron

Silicone Lead



- 25W Soldering Iron
- Plated long-life tip supplied
- Replacement tips and elements available separately
- Suitable for general purpose electrical/electronic work, service engineers, education projects and hobby environments
- CE marked

Voltage	230V	Cable length	1.5m	Leakage Current	<200µA
Power	25W	Cable type	Silicone	Length	200mm
Tip Temperature	420°C				

Mfrs.	Price Each	
546120		
List No.	Plug Type	Order Code
S58J470	UK	176-0691
S58E470	EU	176-0692

Soldering Irons Kit



- Soldering Iron
- 25W Soldering Iron
- 1.5 meter silicone lead
- Plated long-life tip supplied
- Replacement tips and elements available separately
- Suitable for general purpose electrical/electronic work, service engineers, education projects and hobby environments

- CE marked
- Stand
- Phenolic base with chromed steel spring holder

Mfrs.	Price Each		
222226			
Voltage	Plug Type	Colour	Order Code
230V ac	UK	Yellow	629-121
230V ac	Euro	Yellow	629-133

- Incorporates mounting holes enabling the stand to be fixed to a bench
- Solder
- 0.8mm Diameter
- 99.25% Tin, 0.75% Copper
- Melting point 217°C

Voltage	230V	Cable Type	Silicone
Power	25W	Leakage Current	<200µA
Tip Temperature	420°C	Length	200mm
Cable Length	1.5m		

Mfrs.	Price Each	
546153		
List No.	Plug Type	Order Code
K98J470	UK	176-0693
K98E470	EU	176-0694

Fixed Temperature Soldering Irons



Models M, C, CS & XS



- Complete range of thermally balanced soldering irons to meet production line and laboratory requirements
- Polycarbonate handles
- Conforms to BS3456 section 2.14
- All mains irons are fitted with suitable plugs
- 24V versions are fitted with mini 3 pin plug for connection to Antex power supplies
- Fitted with 1.8m, 3 core, PVC insulated cable
- CS irons are available with silicone rubber cables fitted with a mini 3 pin plug

Model	M	C	CS	XS
Power (watts)	12	15	18	25
Operating tip temperature	370°C	370°C	390°C	420°C
Tip type (fitted)	10	820	1100	51
No. of bit options	8	8	9	7
Overall length (mm)	147	147	183	193
Tip-to-handle length (mm)	75	75	78	83
Handle length (mm)	72	72	105	110
Diameter (mm)	14	14	15	17
Cable material	PVC	PVC	PVC or Silicone rubber	PVC
Input voltage options dc	-	-	-	-
ac	-	-	24	24
ac	-	-	-	115
ac	230	230	230	230

FOR SUITABLE 24V ac POWER SUPPLY SEE ORDER CODE 120-4730

Voltage	Cable	Plug Type	Mfrs. List No.	Order Code	Price Each
230V ac	PVC	UK	M230	629-078	
230V ac	PVC	EURO	M230E	629-080	
230V ac	PVC	UK	C230	629-091	
230V ac	PVC	EURO	C230E	629-108	
24V ac	PVC	-	CS18-24V	610-185	
230V ac	PVC	UK	CS-18 230V	610-161	
230V ac	PVC	EURO	CS18-230VE	629-054	
230V ac	Silicone	UK	CS18S-230V	610-173	
230V ac	Silicone	EURO	CS18SE	629-110	
115V ac	PVC	-	XS25-115V	610-215	
230V ac	PVC	UK	XS25-230V	610-203	
230V ac	PVC	EURO	XS25-230VE	629-066	

Variable Temperature Soldering Iron



- Temperature controlled irons provide the ideal solution when precise soldering temperatures are not required
- Uses surface mount technology
- Temperature adjusted using a small blade screwdriver
- Temperature range between 200°C and 450°C, graduated in 50°C increments
- Proportional voltage control for consistent stable temperatures and zero voltage switching to eliminate arching and transients
- 230V irons fitted with suitable mains plug
- Both irons are fitted with 1.5m, 3core PVC mains cable and 1100 tip

Barrel length (inc. tip)=80, Handle length=140, Handle dia.=33			
Power	50W	Control Accuracy	±1%
Temperature Range	200°C to 450°C	Leakage Current	<5µA
Warm up time	60s to 350 °C		

Mfrs.	Price Each		
222226			
Voltage	Plug Type	Colour	Order Code
230V ac	UK	Yellow	629-121
230V ac	Euro	Yellow	629-133

Soldering Kits



- Range of pre-packed soldering kits
 - Kits contain a soldering iron, the ST6 stand, length of solder and a 'How to solder' booklet
 - Mains plug included
- | Kit | Tip type (fitted) |
|-----|-------------------|
| SK2 | 820 |
| SK5 | 1100 |
| SK6 | 51 |

212529

Plug Type	Mftrs. List No.	Order Code	Price Each
-----------	-----------------	------------	------------

15W Euro Soldering Kit with C15-230 iron	Euro	SK2E	629-170
18W UK Soldering Kit with CS18-230 iron	UK	SK5	629-182
18W Euro Soldering Kit with CS18-230 iron	Euro	SK5E	629-194
25W UK Soldering Kit with XS25-230 iron	UK	SK6	629-200
25W EURO Soldering Kit with XS25-230 iron	Euro	SK6E	629-212



- All replacement tips are iron and chrome plated (except 108-518)
- Offer longer life than standard iron and bright nickel tips

Tip Style	Tip Dia		Iron type Approved compatibility										Mftrs. List No.	Order Code						
	mm	in	G	C	X	C	X	T	X	A	S	S			T	S	D	2	4	5
	0.1	1/250																	1107	108-518
	0.5	1/40																	10	418-559
	0.5	1/40																	1105	418-560
	0.5	1/40																	55	418-572
	1	3/64																	106	418-584
	1	3/64																	1106	418-596
	2.3	3/32																	820	418-602
	2.3	3/32																	1100	418-614
	2.3	3/32																	50	418-626
	2.3	3/32																	53	418-638
	2.3	3/32																	102	418-640
	3	1/8																	821	418-675
	3	1/8																	1101	418-687
	3	1/8																	51	418-699
	3	1/8																	54	418-705
	4	5/32																	103	418-717
	4.7	3/16																	1102	418-730
	4.7	3/16																	52	418-754
	6	1/4																	1103	418-766

212486

Price Each

Order Code

All Order Codes

Duratool & Multicomp Mains Soldering Irons

Fixed Temperature Soldering Irons
15W and 25W



- 230V ac operation
- Lightweight ergonomic design
- Strong high quality polycarbonate handle
- UK manufactured
- Fitted with moulded UK 3-pin mains plug
- CE approved
- All the replacement tips are iron and chrome plated (except 108-518)

	15W	25W
Lead	1.5m, 3-Core 3x0.75mm ² Insulated PVC with strain relief	
Max Tip Temperature	370°C	390°C
Handle Length	122mm	
Total Length (Incl. Tip)	200mm	
Handle Diameter	23mm at the bottom, 17mm at the flex end	
Weight	170g	180g
Breakdown Voltage	2500V	
Standard Tip Fitted	2.3mm Chisel (418-614)	3.0mm Chisel (418-699)

338399

Price Each

Description	Order Code	Price Each
15W Soldering Iron	506-1921	
25W Soldering Iron	506-1933	

Price Each

Tip Size	Style	Order Code	Price Each
Tips for use with 15W Iron (370 °C)			
0.1mm	Point	108-518	
1.0mm	Chisel	418-596	
2.3mm	Chisel	418-614	
3.0mm	Chisel	418-687	
4.7mm	Chisel	418-730	

Tip Size	Style	Order Code	Price Each
Tips for use with 25W Iron (390 °C)			
0.5mm	Point	418-572	
2.3mm	Chisel	418-626	
2.3mm	Screwdriver	418-638	
3.0mm	Chisel	418-699	
3.0mm	Screwdriver	418-705	
4.7mm	Chisel	418-754	

Soldering Iron



This great value soldering iron is an ideal soldering tool for hobbyist and many small domestic or electrical soldering applications. Fitted with a compound mica heater element for fast heating, high temperature stability and long life time.

Voltage	220 to 240V	Temperature	420 to 460°C
Power	40W	Heating element	Compound mica heater

Content: Soldering Iron, Spare tip, Solder and Holder.

505792

Price Each

Mftrs. List No.	Plug Type	Order Code	Price Each
D00797	UK	156-8157	
D00798	EU	156-8159	

Soldering Iron



This great value soldering iron is an ideal soldering tool for hobbyist and many small domestic or electrical soldering applications.

Voltage	220 to 240V	Temperature	370 to 460°C
Power	40W	Heating element	Ceramic heater
Temperature (ZD-707NL)		Temperature (ZD-707BL)	420 to 460°C
Heating element (ZD-707NL)		Heating element (ZD-707BL)	Compound mica heater

505791

Price Each

Mftrs. List No.	Plug Type	Order Code	Price Each
D00799	UK	156-8160	
D00800	EU	156-8161	
D00801	UK	156-8162	
D00802	EU	156-8163	

Soldering Iron



This great value soldering iron is an ideal soldering tool for hobbyist and many small domestic or electrical soldering applications. Switchable soldering iron 30W to 50W. Fitted

Duratool & Multicomp Mains Soldering Irons - continued

Soldering Iron - continued

with a natural mica heater element for fast heating, high temperature stability and long life time.

Voltage	220 to 240V	Temperature	200 to 450°C
Power	50W	Heating element	Natural mica heater

505790

Mfrs. List No.	Plug Type	Order Code	Price Each
D00803	UK	156-8165	
D00804	EU	156-8166	

Weller Mains Soldering Irons

Miniature Series 2000



Barrel length (excl. tip) = 50, Barrel dia. = 7mm

- Lightweight miniature mains soldering iron
- Economical
- Comfortable thermoplastic handle
- Ideal for use where precision touch is needed
- Supplied with stand
- For Hobbyist and Semi-professional users

212525

Mfrs. List No.	Order Code	Price Each
12W	2012	500-720
15W	2015	500-732
20W	2020	500-744

Tips 3 Per Pack		Price Per Pack	
For Iron type	Tips		
2012	0.65 Micro point	STT1	500-756
2015	2.4 Chisel Point	STT2	500-768
2020	3.5 Chisel Point	STT3	500-770

SP Series



- Four different models available to cope with fine soldering through to heavy duty
- On/Off indicator in the handle
- Heat protected comfortable grip
- Flexible cable
- For Hobbyist and Semi-professional users

	SP15L	SP25L	SP40L	SP80L
Voltage Supply	230V ac	230V ac	230V ac	230V ac
Cable Length	1.6m	1.6m	1.6m	1.6m
Overall Length (Including Tip) mm	195	195	210	240
Barrel Length (Excluding Tip) mm	55	55	65	85
Barrel Diameter (mm)	7.5	9.5	11	14.5
Standard Tip Fitted	S5	MT1	MT10	MTG20

387128.410654

Mfrs.		Price Each	
Wattage	List No.	Order Code	
15W	SP15LUK	842-6406	
25W	SP25LUK	842-6414	
40W	SP40LUK	842-6422	
80W	SP80LUK	842-6430	

Mfrs.		Price Each	
Tip Width	Type	List No.	Order Code
Tips for SP15L (15W) Iron			
2.0mm	Screwdriver	Nickel S5	879-6777
3.5mm	Screwdriver	Nickel S3	957-940
0.4mm	Conical (Longlife)	Iron S31	957-926
2.0mm	Screwdriver (Longlife)	Iron S32	957-938

Mfrs.		Price Each	
Tip Width	Type	List No.	Order Code
Tips for SP25L (25W) Iron			
0.8mm	Conical	Nickel MT1	879-6785
4.0mm	Screwdriver	Nickel MT2	879-6793
4.8mm	Straight, Smoothing Tip	Nickel MT6	879-6807
	Hot Knife (Blade & Chuck)	HK11	879-6815
Tips for SP40L (40W) Iron			
6.3mm	Screwdriver	Nickel MT10	879-6823
6.3mm	Screwdriver, Bent	Nickel S4	879-6831
5.0mm	Screwdriver (Longlife)	Iron S36	879-6840
5.0mm	Screwdriver, Bent (Longlife)	Iron S37	879-6858
Tips for SP80L (80W) Iron			
9.5mm	Screwdriver, Bent	Nickel S8	879-6866
7.0mm	Screwdriver (Longlife)	Iron S38	353-425

Therma-Boost Heat Tool

For hobbyist and semi-professional users



When the Thermo-Boost mode is activated, the high-performance 30W/130W/230V soldering gun reaches its maximum temperature in less than 45 seconds. In standard operating mode, it operates with an output of 30 watts. It is ideal for cutting or processing synthetic materials, foams and styrofoam, as well as for soldering. When the Thermo-Boost switch is pressed, the red lamp lights up and an output of 130 watts makes a quick burst of heat available.

- Rating 30 watt standard / 130 watt boost
- Supply voltage 230 V / 50 Hz
- Heat up time to operating temperature 45 sec approx.
- Maximum temperature 510°C
- Red and green LED indicators to show standard / boost mode
- Duty cycle in boost mode 8 seconds

Comprises :

Therma Boost Tool kit part no. TB100 UK ,Set of 6 tips, Safety rest

473597

Mfrs.		Price Each	
List No.	Description	Order Code	
TB100UK	UK Thermo-Boost Heat Tool	135-7544	
TB100EU	Euro Thermo-Boost Heat Tool	135-2833	
TB5TKEU	5 Piece Tip Set	148-9544	

Instant Heat, 100 Watt Expert Soldering Gun



- Multi-purpose soldering gun
- Fingertip trigger operation
- Ready to solder in six seconds
- High efficiency, pre-tinned pure copper tip
- Built-in spotlight illuminates work
- 240Vac operation
- Ideal for cutting, sealing, pokerwork and soldering with instant heat tip

Note: This soldering iron is **not** designed for continuous use.

212561

Mfrs.		Price Each	
List No.	Description	Order Code	
'Expert' soldering gun	8100UD	415-881	
Soldering tip - 2 per card	7135	415-893	
Cutting tip - 1 per card	6110	415-900	
Smoothing tip - 1 per card	6120	415-911	

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Temperature Controlled - W Series



60 Watt, W61 and W61E Barrel length (excl tip) = 75, Barrel dia = 11mm



200 Watt, W201 and W201E Barrel length (excl tip) = 131, Barrel dia = 18mm



100 Watt, W101 and W101E Barrel length (excl tip) = 96, Barrel dia = 15mm

- Well balanced lightweight irons
- High thermal reserve
- Temperature determined by tip selection
- Thermoplastic handle
- Capacitor is incorporated to improve switch life and prevent interference
- Fully earthed
- Fitted with 1.5m burn-proof lead
- Suitable for use with transistors, PCBs, heavy electrical connections and even sheet metal

222228

Wattage	Voltage	Mftrs. List No.	Order Code	Price Each
60W	240V	W61 UK	415-807	
60W	120V	W61E	415-819	
100W	240V	W101 UK	415-820	
100W	120V	W101E	415-832	
200W	240V	W201D	415-844	
200W	120V	W201E	415-856	
Irons with Euro Schuko Plug				
60W	240V	W61 EU	800-650	
100W	240V	W101 EU	800-661	
200W	240V	W201	800-673	
Accessories				
		KH 6	419-217	

Antex Soldering Stations

660 TC Soldering Station



- Temperature controlled soldering station 65°C to 450°C
- Thumbwheel potentiometer setting
- 'Power On' and 'Power to Iron' indication
- Supplied with TC50, 50 watt soldering iron and ST6 bench holder
- Can be used with optional TC25 25 watt soldering iron
- Available with UK and European plug fittings
- Uses 1100 series tips

212532

Mftrs. List No.	Plug Type	Order Code	Price Each
Stations			
660-TC	UK	120-4734	
660-TCE	Euro	120-4738	
Replacement Irons			
TC25 25W	—	629-017	
TC 50 50W	—	629-005	

Technical information at your fingertips



Over **352,000** technical datasheets available online. Visit www.element14.com and look for the Tech Info heading in your search results.

690 SD Soldering Station
Static Dissipative



- Temperature controlled soldering station 65° to 450°C
- Static dissipative
- Digital readout with choice of many languages
- Multi-programmable with 2 memory settings
- Lockable settings with PIN security
- °C or °F readout
- Dial in bit selection for accurate offset
- Diagnostics
- Supplied with SD50 50 watt static dissipative soldering iron and ST6 bench holder
- Available with UK and European plug fittings

212531

Mftrs. List No.	Plug Type	Order Code	Price Each
Stations			
690-SD	UK	120-4733	
690-SDE	EURO	120-4736	
Replacement Iron			
SD50 50 watt	-	628-992	

Surface Mount Rework Kit



The Antex surface mount rework station is an entry level station which gives the user the ability to remove most component types without damage to the circuit board or surrounding components. Each rework tool is heated to the exact temperature required by the component by means of a microprocessor control inside the soldering station.

- A cost-effective solution to desoldering SMT components
- Most package sizes available
- 12 desoldering tools included with the kit
- 50 watt ESD safe soldering iron and station
- Also includes soldering iron stand and rework tool holder

Desoldering tools included in the kit

Reference	Package
DST-A	1206/1210
DST-B	1812
DST-C	0805
DST-D	MELF, SOD 80/87
DST-E	SOT23/143
DST-F	SOT89
DST-G	IC S08
DST-H	IC S014/16/QFP 10 x 5 mm
DST-K	various + re-soldering
1107	various + re-soldering
DST-Q	ICS020/QFP 15 x 8 mm
DST-S	ICS028/QFP 20 x 8 mm

230548

Mftrs. List No.	Order Code	Price Each
Soldering Irons		
Rework Station	UD82D70	120-4732

REACH - SVHCs



We've checked over **200,000** products for **Substances of Very High Concern** under REACH and are continuing to check more every day. Easily identify these products online and access supporting safety datasheets when you see this logo. Visit www.element14.com to stay up-to-date.

Antex Tips & Accessories



- All replacement tips are iron and chrome plated (except 108-518)
- Offer longer life than standard iron and bright nickel tips

Tip Style	Tip Dia		Iron type Approved compatibility										Mfrs. List No.	Order Code
	mm	in	G	C	C	X	C	X	T	X	A	2		
	0.1	1/250		●					●	●	●	●	1107	108-518
	0.5	1/40	●										10	418-559
	0.5	1/40							●	●	●	●	1105	418-560
	0.5	1/40							●				55	418-572
	1	3/64	●										106	418-584
	1	3/64	●						●	●	●	●	1106	418-596
	2.3	3/32	●	●									820	418-602
	2.3	3/32	●						●	●	●	●	1100	418-614
	2.3	3/32							●				50	418-626
	2.3	3/32							●				53	418-638
	2.3	3/32	●						●				102	418-640
	3	1/8	●	●									821	418-675
	3	1/8							●	●	●	●	1101	418-687
	3	1/8							●				51	418-699
	3	1/8							●				54	418-705
	4	5/32	●						●				103	418-717
	4.7	3/16	●						●	●	●	●	1102	418-730
	4.7	3/16							●				52	418-754
	6	1/4	●						●	●	●	●	1103	418-766

212486

Order Code

All Order Codes

Price Each

Surface Mount Kit



- Comprehensive kit comprising 12 desoldering tips
- Designed to fit most surface mount component outlines (see below)
- Suitable for CS, TCS, XSD, XSTC, TC50 and SD50 irons

H = 17 (excl. tips), W = 65, D = 119

Chips 1206/1210/1812/0805	MELF SOD 80/87	Transistors SOT23/143/89	S08	Small Outline IC S014/16	D-PAK

212505

Mfrs.

List No.

Order Code

Price Each

DKIT-12

108-520

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Receive e-mail updates with the exact status of the delivery, due date and despatch information of all your back-order items.
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ST6 and ST4



ST6



ST6

- Industrial styled bench stand
- Allows simple iron-parking and cool handle performance
- Made from high grade phenolic with a melting point above soldering iron tip temperatures
- Incorporates slip-resistant feet, screw holes for permanent positioning and a ballast weight for added stability
- Adjustable iron holder to fit all Antex and most standard irons

ST4



ST4

- Lightweight construction
- Manufactured from high grade, high temperature PHENOLIC
- Can be screwed to any work surface
- Suitable for all Antex fixed temperature irons
- Replacement sponge available

212533

Price Each

Order Code

ST-4	155-214	
ST6	610-150	
Replacement Sponge	418-353	

Spares



212487

Price Each

For use with	Mfrs. List No.	Order Code
C250	C250E	120-4740
TCS240	TCS240E	120-4741
XS240	XS240E	120-4742
Sponges ST4, ST5, ST6, TCSU-1	1144	418-353

Duratool Soldering/De-Soldering Stations



Temperature Controlled Soldering Station



ESD Version

- Finger tip temperature regulator control (up/down buttons)
- Safe, low voltage 24V iron operation
- Integral enclosed stand
- Pull-out tray that houses the sponge
- ESD version available
- Mains on/off switch and fuse
- Range of tips available

Contents of Station: Power unit, soldering iron (with 0.5mm pointed tip), sponge, user instructions

Note: The replacement sponge listed below will need cutting to size

Temp Setting Range	150°C - 450°C	Iron Length	198mm
Display Precision	5%	Iron Lead Length	1.1m
Power Output - Iron	48W	Supply Voltage	220 - 240Vac
Dimensions (HxWxD)	87x195x165mm		

438592/450062

Price Each

Description	Order Code
Station Blue (UK Plug)	129-6771
Station Blue (EU Plug)	149-8366
Station ESD Black (UK Plug)	129-6773
Station ESD Black (EU Plug)	149-8367

Accessories

Soldering Iron	129-6774
Element for Soldering Iron	129-6775
7141mmSponge (x) Pk 5	129-6776

Over 500 000 products available online



Tips for Duratool Soldering Stations



Long-life bits for use with irons on Duratool soldering stations (Farnell order codes: 129-6771, 129-6773, 149-8366 and 1498367)

438829/450063

Tip Type	Order Code	Price Each
1mm Pointed	129-6777	
0.5mm Pointed	129-6778	
3.0mm Chisel (45°)	129-6779	
2.0mm Screwdriver	129-6780	
1mm Chisel (45°)	129-6781	

Soldering and Rework Station



ZD-912



The ZD-912 Soldering & Rework Station is a high-performance and multi-function station, suitable for lead-free applications. It can be used for soldering and desoldering all types of surface mounted IC's and prevents any damage to the PCB or components. The temperature sensor on the top of the tips can check the tip temperature quickly and decreases the possibility of the tip temperature falling off.

Contents of Station: Power unit, soldering iron (with conical tip), hot air tool, ZD-10K stand with sponge, 4 hot air nozzles, user instructions

Technology Specification		Technology Specification	
Supply Voltage	230V (220-240V)	Temperature range	160°C - 480°C
Power	60W Soldering Iron 320W Hot Air SMD Rework	Heating Element	Ceramic Heater

488841

Price Each

Mfrs. List No.	Order Code
Rework Station (UK & EU Plug)	149-8360

Desoldering Station



ZD-915



A high-performance desoldering station which provides a continuously controlled supply of heat, suitable for desoldering all types of components, and allows easy removal of the residual solder. The temperature sensor on the top of the tip, checks the tip temperature quickly and decreases the possibility of the tip temperature falling off during operation. The quick heat and 80W power make for convenient and clear soldering /desoldering all type of DIP components. Suitable for lead-free applications.

Contents of Station: Power unit, desoldering gun (with conical tip), user instructions.

Technology Specification	
Supply Voltage	230V (220-240V)
Power	80W (heat up rating 130W)
Temperature range	160°C - 480°C
Vacuum Pressure	600mm Hg
Heating Element	Ceramic Heater

488829

Price Each

Mfrs. List No.	Order Code
Desoldering Station (UK & EU Plug)	149-8361
Replacement Filter	151-6019

Soldering Station



ZD-916



The iron heats up from the room temperature to 350°C in 30 seconds. The speed of the temperature compensation ensures the temperature is at peak performance at all times. The soldering station is suitable for Lead free soldering and special low temperature conditions. **Contents of Station:** Power unit, soldering iron (with 1mm conical tip), user instructions.

Technology Specification	
Supply Voltage	230V (220-240V)
Power	60W (Heat up rating 130W)
Temperature range	160°C - 480°C

488813

Price Each

Mfrs. List No.	Order Code
Soldering Station (UK & EU Plug)	149-8362

Soldering and Rework Station



ZD-917



The digital repair system includes a soldering iron and desoldering gun. It offers a controlled supply of heat, suitable for desoldering all type of components and allows easy removal of the residual solder. The soldering iron and desoldering iron can be used independently or at the same time. The temperature sensor on the top of the tips can check the tip temperature quickly and decrease the possibility of the tip temperature falling off during the operation. Suitable for lead free soldering applications.

Contents of Station: Power unit, soldering iron (with a conical tip), desoldering gun (with 3 conical tips), ZD-10K stand with sponge and

user instructions.

Technology Specification		Technology Specification	
Supply Voltage	230V (220-240V)	Temperature range	160°C - 480°C
Power	60W Soldering 80W Desoldering		

488801

Price Each

Description	Order Code
Soldering & Rework Station (UK & EU Plug)	149-8363
Replacement Filter	151-6020

Soldering Station



ZD-937



The ZD-937 soldering station is an ideal soldering tool for hobbyist or occasional use. It has the function of regulating temperature, 1°C or 10°C per grade can be regulated using the control buttons. Preset buttons of 200, 300 & 400 are also included. The station can be switched between °C and °F.

Contents of Station: Power unit, soldering iron (with a conical tip), user instructions.

Technology Specification		Technology Specification	
Supply Voltage	230V (220-240V) / 50Hz	Dimensions (WxHxD)	210x125x135mm
Electric Iron Power	48W	Weight	1.8kg
Temperature range	150°C - 450°C		

488789

Price Each

Description	Order Code
Soldering Station (UK Plug)	149-8364
Soldering Station (EU Plug)	149-8365

60W Soldering Iron



Duratool Soldering/De-Soldering Stations - continued

60W Soldering Iron - continued

- Compatible with ZD-912, ZD-916 and ZD-917 Soldering Stations

492545

Description	Order Code	Price Each
ZD-415 Soldering Iron	151-6014 ●	
Spare Heater	151-6016 ●	
Tips for ZD-415 Iron		
0.4mm Conical	151-6021	
1.0mm Conical	151-6022	
2.0mm Chisel	151-6023	
3.0mm Hoof	151-6025	

80W Desoldering Gun

DURATOOL



- Compatible with ZD-915 and ZD-917 Desoldering Stations

492590

Description	Order Code	Price Each
ZD-552 Desoldering Gun	151-6015 ●	
Spare Heater	151-6018 ●	
Cleaning Tool	151-6029	
Tips for ZD-552 Iron		
0.8mm Conical	151-6026	
1.0mm Conical	151-6027	
1.3mm Conical	151-6028	

Soldering Stations Analog 60 & Analog 80



- Precise temperature control
- Temperature adjustable between 150°C and 450°C
- LED indicator
- Heat up time 60s
- Multifunctional iron stand
- Ergonomic design

Stations contain supply unit, soldering iron with tip and support

Technical Data:	Analog 60	Analog 80
Power rating (Watt):	80	80
Supply (Volt):	230	230
Secondary voltage (Volt):	24	24
Temperature:	150-450°C	150-450°C
Coating Tip:	Longlife Tip	Longlife Tip
Antistatic design:	No	No
Digital Display:	Yes	Yes
Shape of soldering tip:	Chisel-shaped	Chisel-shaped
Soldering tip diameter / width, mm:	2.2	2.2
Replacement soldering / desoldering iron:	0670CDJ	0810CDJ
Soldering / Desoldering tip:	Series 832 & 842	Series 832 & 842
Replacement heating element:	067100J	081100J

231475

	Order Code	Price Each
Spare Iron Basic Tool 60	776-5010	
Spare Iron Basic Tool 80	776-5037	

Ersa Tips & Accessories

SMD Tip Holder SMD8013



- Fully populated tip holder
- Space saving organizing of soldering/desoldering tips

Kit Contains:

SMD soldering tips

- 212SD round 0.2mm
- 212BD round 0.4mm
- 212CD chisel 1.0mm
- 212ED chisel 1.8mm
- 212FD chisel 2.2mm
- 212GD chisel 3.2mm
- 212WD miniMicroWell 1.6mm
- 212MS MicroWell 2.3mm

SMD desoldering tips

- 422ED for SOIC8
- 422FD1 for SOIC16
- 422FD4 for SOIC20
- 422FD2 for SOIC24
- 422FD5 for SOIC28
- 422FD6 for SOIC32
- 422QD5 for PLCC20
- 422QD3 for PLCC44
- 422SD for MicroMELF
- 422MD for MELFs and MiniMELFs

212648

Mftrs. List No.	Order Code	Price Each
SMD8013	306-1036	

Ersa Tips



ERSADUR Soldering and Desoldering Tips 832 Series

Suitable for:

ANALOG 60 / 60 A, ANALOG 80 / 80 A, DIGITAL 80 A, DIGITAL 2000 A with Power Tool soldering iron, ELS 8000 / M / D, MICRO-CON 60 iA with Power Tool soldering iron, MS 6000, MS 8000 / D, Multi-Pro, Multi-Sprint, Multi-TC, RDS 80, TWIN 80 A with Ergo Tool soldering iron.

Mftrs. List No.	Tip Type	Tip Size	Order Code	Price Each
0832BDLF/SB	Pencil	1mm	112-0032	
0832CDLF/SB	Chisel	2.2mm	112-0033	
0832EDLF/SB	Chisel	3.2mm	112-0034	
0832FDLF/SB	Angled Face	2mm	112-0035	
0832GDLF/SB	Angled Face	14mm	112-0036	
0832KDLF/SB	Chisel	2.2mm	112-0038	
0832MDLF/SB	Angled Face	17mm	112-0040	
0832NDLF/SB	Angled Face	4mm	112-0041	
0832SDFL/SB	Pencil	0.8mm	112-0042	
0832TDLF/SB	Angled Face	3mm	112-0044	
0832UDLF/SB	Pencil	0.4mm	112-0045	
0832VDFL/SB	Chisel	5mm	112-0046	
0832YDFL/SB	Chisel	1.6mm	112-0047	

LF-ERSADUR Soldering Tips 612 Series

Suitable for:

CPS 60, 10, DIGITAL 60 A, DIGITAL 2000 A with Tech Tool soldering iron, MICRO-CON 60 iA with Tech Tool soldering iron.

Ersa Soldering/De-Soldering Stations

ERSA i-CON2 OIC2000AIT twin station



Items supplied: i-CON 2 electronic station, 2 i-Tool soldering irons with 0102CDLF16 ERSADUR soldering tips, 2 OA48 support stands

Technical data: i-CON electronic station: mains voltage: 220-240 V / 50-60 Hz, secondary voltage: 24 V -, continuous power rating: 120 W, temperature range: 150 - 450 °C
i-Tool soldering iron: voltage: 24 V -, power rating: 150 W

Mixed-component printed circuit boards can be implemented efficiently and quickly without changing tools

452512

Mftrs. List No.	Order Code	Price Each
OIC2000AIT	129-9807 ●	

ERSA i-CON OIC2000AC desoldering station



SMD soldering and desoldering station with the intelligent, powerful i-Tool and the versatile chip tool desoldering tweezers. The chip tool allows the smallest possible chips (0201, 0402 etc.) to medium-sized PLCCs to be reliably and quickly removed with a large selection of SMT desoldering tips (422 series)

Items supplied: i-CON 2 electronic station, i-Tool with 0102CDLF16 ERSADUR soldering tip, OA48 support stand, chip tool desoldering tweezers with 0422MD pair of desoldering tips, OA43 support stand

Technical data: i-CON electronic station: mains voltage: 220-240 V / 50-60 Hz, secondary voltage: 24 V -, continuous power rating: 120 W, temperature range: 150 - 450 °C
i-Tool soldering iron: voltage: 24 V -, power rating: 150 W
Chip tool SMD desoldering tweezers: voltage: 24 V -, power rating: 2 x 20 W (350 °C)

452513

Mftrs. List No.	Order Code	Price Each
OIC2000AC	129-9806 ●	

Mfrs. List No.	Tip Type	Tip Size	Order Code	Price Each
0612ADLF/SB	Chisel	1.6mm	112-0055	
0612BDLF/SB	Pencil	1mm	112-0056	
0612CDLF/SB	Chisel	1mm	112-0057	
0612EDLF/SB	Chisel	3.2mm	112-0058	
0612GDLF/SB	Chisel	5mm	112-0060	
0612KDLF/SB	Chisel	2.4mm	112-0061	
0612SDLF/SB	Pencil	0.4mm	112-0063	
0612UDLF/SB	Pencil	0.8mm	112-0064	

ERSADUR Desoldering Tips Sets 422 Series

Suitable for: DIGITAL 2000 A with Chip Tool, MICRO-CON 60 iA SMD Desoldering Pincette 40, RE-WORK 80, SMD 8000, SMT UNIT 60 AC / A with Chip Tool / SMD Desoldering Pincette 40, i-CON with Chip Tool desoldering pincette, i-CON2 with Chip Tool desoldering pincette.

Mfrs. List No.	Tip Type	Tip Size	Order Code	Price Per Pair
0422ED	SOIC 8	6mm	874-553	
0422FD5	SOIC 28	17.5mm	776-4871	
0422FD6	SOIC 32	20mm	776-4880	
0422FD7/SB	SOIC 40	25mm	155-3438	
0422FD8	27.5mm Components	27.5mm	776-4898	
0422FD9	40mm Components	40mm	776-4901	
0422QD1	PLCC 28	12.5mm	874-590	
0422QD6	QFP, TQFP, TQFP OT25	15mm	776-4928	
0422RD2	PLCC 32	15mm	776-4944	
0422MD	MELF, MINIMELF	2mm	874-632	
422 SD	MICROMELF	0.2mm	874-644	

ERSADUR Soldering Tips Serie 212

Suitable for: ANALOG 20 A, DIGITAL 2000 A with Micro Tool soldering iron, MICRO-CON 60 iA with Micro Tool soldering iron, REWORK 80, SMD 8000, SMT UNIT 60 A / AS, TWIN 40 A / AS, TWIN 80 A with Micro Tool soldering iron.

Mfrs. List No.	Tip Type	Tip Size	Order Code	Price Each
0212RD	Pencil, 40° Angle	0.2mm	776-4820	
0212ID	Pencil, 30° Angle	0.6mm	776-4804	
0212WD	MiniMicroWell	1.6mm	776-4839	
212 MS	Blade, Fine Pitch	2.3mm	874-541	
0212ADLF/SB	Pencil	1mm	112-0065	
0212BDLF/SB	Pencil	0.4mm	112-0066	
0212CDLF/SB	Chisel	1mm	112-0067	
0212EDLF/SB	Chisel	1.8mm	112-0068	
0212FDLF/SB	Chisel	2.2mm	112-0069	
0212KDLF/SB	Chisel	1.8mm	112-0070	
0212SDLF/SB	Pencil	0.2mm	112-0071	

ERSA i-Tip Soldering Tips

Suitable for: i-CON with i-Tool soldering iron, i-CON1, i-CON2 with i-Tool soldering iron, i-CON1 C, i-CON2 C with i-Tool soldering iron

Mfrs. List No.	Tip Type	Tip Size	Order Code	Price Each
0102PDLF02/SB	Pencil	0.2mm	120-3966	
0102PDLF04/SB	Pencil	0.4mm	120-3967	
0102PDLF07/SB	Pencil	0.7mm	120-3968	
0102PDLF10/SB	Pencil	1mm	120-3969	
0102CDLF12/SB	Chisel	1.2mm	120-3970	
0102CDLF16/SB	Chisel	1.6mm	120-3971	
0102CDLF20/SB	Chisel	2mm	120-3972	
0102CDLF24/SB	Chisel	2.4mm	120-3973	
0102CDLF32/SB	Chisel	3.2mm	120-3974	
0102CDLF50/SB	Chisel	5mm	120-3975	
0102ADLF20/SB	Angled Face	2mm	120-3977	
0102BDLF20/SB	Blade	2mm	120-3979	
0102WDLF16/SB	Solder Cup	1.6mm	120-3980	
0102WDLF23/SB	Solder Cup	2.3mm	120-3981	
0102WDLF35/SB	Solder Cup	3.5mm	120-3982	

Spare i-Tip-Fastener		Price Each
3IT1040-00		120-3983

OKI/Metcal Soldering/De-Soldering Stations

SmartHeat® Technology

Explanation Text



Tip Cartridge replacement



Tip Cartridge showing solder tip, heater & wire coil

SmartHeat® Technology

Maintains a constant tip temperature, automatically delivering the exact amount of power required for the task directly from the heater to the joint. Metcal Tip Cartridges detect the thermal load and instantly adjust the power in order to deliver the right amount of heat where it is needed. The tip temperature is determined by the particular series of tip cartridge selected. The tip cartridge contains the solder tip, a heater and the wire coil and **no calibration is required**. SmartHeat® self-regulates the tip temperature to within $\pm 1.1^\circ\text{C}$ of a set point regardless of thermal load, and without any need for adjustment.

Tip Cartridges

The temperature is determined by selecting either a 600 series (600°F, 330°C) or a 700 series (700°F, 390 °C)

Trouble-Free Tip Replacement

The heat resistant pad (supplied with the systems) allows you to easily insert and remove the tip cartridge.

339331.410644

PS-900 SmartHeat® Soldering System



The PS-900 is a fixed temperature Soldering Station that varies power to match the thermal demand of the device being soldered. **SmartHeat® Technology** provides an exceptionally fast response when under load while eliminating the potential for thermal overshoot. The result is a high quality solder joint formed at safe, controlled temperatures.

The PS-900 increases productivity by performing a wide range of applications. It is suited for lead-free soldering processes, multilayer boards and thermally demanding components. What's more, SmartHeat technology enables the PS-900 to solder at lower temperatures, even for such demanding applications as lead-free soldering processes. This means operators are more productive and materials are safe from damaging temperatures.

- Compact design
- Rugged cast aluminum housing
- SmartHeat® Temperature Control
- Autosleep Workstand
- Low cost, quick-change heater coil
- Added plating thickness to tips

Contents: System includes power supply with power cord, hand-piece with cord, workstand with sponge and cartridge removal pad
Note: Uses SFV-xxxx series tips

Supply Voltage	100-240V	50-60Hz	Power Output	60W
Power Consumption	90W		Dimensions (HxWxD)	115x80x160mm

503936

Description	Mfrs. List No.	Order Code	Price Each
Soldering Station Kit	PS-900	156-0738	

Replacement Accessories

Coil Assembly	PS-CA3	156-0739	
Soldering Handpiece + Coil	PS-HC3	156-0740	
Autosleep Workstand with Sponge	WS2	134-1343	

SP200 SmartHeat® Soldering Station



An ideal choice for both large and small companies. For use on through-hole soldering and surface mount touch-up benches.

- Uses **SmartHeat®** technology - Maintains a constant tip temperature, automatically delivering the exact amount of power required for the task directly from the heater to the tip
- The **tip temperature** is determined by the particular series of tip cartridge selected
- Tip cartridge contains the solder tip, a heater and the wire coil

- No calibration required
- 230Vac operation
- UK And European mains plugs

System includes: Power unit, soldering handpiece, workstand with sponge, and tip cartridge removal pad

Note: Tip Cartridge for the handle not supplied, see Metcal SSC-xxxA types, 600 series (330°C) or 700 series (390°C)

OKI/Metcal Soldering/De-Soldering Stations - continued

SP200 SmartHeat® Soldering Station - continued

337983

Description	Mfrs. List No.	Order Code	Price Each
Soldering Station	SP200-21	495-0379	
Replacement Accessories			
ESD Solder Handle W/CP2	SP-HC1	495-0460	
Workstand with sponge	WS1	134-1341	
Sponge	AC-YS3	495-0483	

MFR-1110 SmartHeat® Soldering Station



The MFR Series uses Metcal SmartHeat® technology to deliver the power required for lead-free connections. Smartheat's variable power technology instantaneously senses and continuously delivers the precise thermal energy to the pad, yielding high quality solder joints while protecting sensitive components from damage.

- Powered by Metcal SmartHeat® technology
- Mains and Hand piece Ground Detection
- Auto Sleep stand for extended tip life
- Brass cleaning pad for removal of lead free solder tarnish
- Automatic power down when idle
- Small shaft diameter provides access to tightly cramped rework areas
- Compatible with hand piece 1629932 Rework tweezers
- MFR-1110 , uses SFP-*** series tips

Contents: Control unit, soldering and rework handpiece and soldering workstand.

518637

Description	Mfrs. List No.	Order Code	Price Each
Soldering Station	MFR-1110	162-9771	
Replacement Accessories			
Soldering / Rework Hand-piece	MFR-H1-SC	162-9933	
Workstand with sponge	WS1	134-1341	

MFR-2210 Soldering and Rework System



The MFR Series uses Metcal SmartHeat® technology to deliver the power required for lead-free connections. Smartheat's variable power technology instantaneously senses and continuously delivers the precise thermal energy to the pad, yielding high quality solder joints while protecting sensitive components from damage.

- Powered by Metcal SmartHeat® technology
- Mains and Hand piece Ground Detection
- Auto sleep work stand for extended tip life with lead free
- Both handpieces simultaneously powered
- Automatic power down when not in use
- Brass cleaning pad for removal of lead free solder tarnish
- Small shaft diameter provides access to tightly cramped rework areas
- **Note:** MFR-H2-ST handpiece uses SFP-*** series tips
- **Note:** MFR-H1-SC handpiece uses SFV-*** series tips

Contents: Control unit, soldering and rework handpiece (MFR-HSR) and soldering workstand.

Contents: Control unit, soldering and rework handpiece (MFR-H1-SC) and soldering workstand

518780

Description	Mfrs. List No.	Order Code	Price Each
Solder/Rework Station	MFR-2210	162-9930	
Replacement Accessories			
Soldering / Rework Handpiece	MFR-H1-SC	162-9933	
Optional Accessories			
Soldering Hand-piece	MFR-H2-ST	162-9934	
Workstand with sponge	WS1	134-1341	
Precision Tweezer Hand-piece	MFR-H4-TW	162-9932	

MX-5000 Soldering, Desoldering and Rework System



MX-5010 - Soldering / Rework System



MX-5020 - UltraFine™ Soldering



MX-5041 - Precision Tweezer, Soldering / Rework



MX-5051 - Soldering, De-soldering / Rework

- Powered by Metcal SmartHeat™ technology
- Unique display indicating thermal demand, power output, per solder joint
- Tip saver stand with sponge & brass pad for extended tip life
- Automatic power down when not in use for prolonged periods
- 100 - 240VAC Input voltage



MX-5010 Soldering and Rework System

The MX-5010 configured with the Metcal Advanced™ Hand-piece is highly effective for all soldering applications including: lead-free, high mass components or boards, thermally sensitive components requiring low operating temperature, high volume production soldering and touch-up soldering operations, using the STTC Series soldering cartridges. In addition, the MX-5010 can be used for conduction rework of SMDs when using SMTC Series soldering.

MX-5020 UltraFine™ Soldering System

The MX-5020 includes the Metcal UltraFine™ Soldering Hand-piece. Using the all-new UFTC cartridges, the hand-piece is a speciality tool for soldering and touch-up of very small components, restricted access or high density component packaging on a PCB.

MX-5041 Precision Tweezers, Soldering and Rework System

The MX-5041 combines both the Metcal Advanced™ Hand-piece and the Precision Tweezers Hand-piece. Users get maximum application flexibility for soldering and reworking the wide range of surface mount components. When switching hand-pieces, tips reach operating temperature in seconds by simply pressing the Output Selector/Command Button.

MX-5051 Soldering, De-soldering and Rework System

The MX-5051 addresses through-hole de-soldering, general soldering, and SMD rework applications. The system includes two hand-pieces. The Metcal Advanced™ Hand-piece with a selection of soldering and SMD rework cartridges and the Metcal MX-DS1 De-soldering hand-piece for through-hole de-soldering. This configuration is ideal for mixed technology boards and provides the greatest versatility for addressing soldering and rework tasks.

Content of each single Soldering System					
Mfrs List No.	Description	MX-5010	MX-5020	MX-5041	MX-5051
MX-PS5000	Power Supply 100 - 240V AC	●	●	●	●
MX-H1-AV	Advanced Handpiece	●		●	●
AC-CP2	Cartridge Removal Pad	●	●	●	●
AC-YS3	Sponge	●	●	●	●
AC-BP	Brass Pad (Pack of 10)	●	●	●	●
MX-W1AV	Solder Handpiece Stand	●	●	●	●
MX-H2-UF	Ultra Fine Handpiece		●		
MX-PTZ	Precision Tweezer Handpiece			●	
MX-W4PT	Precision Tweezer Stand			●	
MX-DS1	Desoldering Handpiece				●
MX-W5DS	Desolder Stand				●
MX-RM8E	Desoldering Cord				●
MX-DAH4	Desolder Air Line				●
AC-TC	Desoldering Tip Cleaner				●
MX-DCFI	Desolder Filter & Liner Set				●

535385

Mfrs List No.	Description	Order Code	Price Each
MX-5010	Soldering /Rework System	169-7226	
MX-5020	UltraFine™ Soldering System	170-5191	
MX-5041	Precision Tweezers, Soldering / Rework System	170-5190	
MX-5051	Soldering, De-soldering / Rework System	170-5188	
Power Supply and Accessories			
MX-H1-AV	Advanced Handpiece	170-5193	
MX-PTZ	Precision Tweezer Handpiece	170-5194	
MX-H2-UF	Ultra Fine Handpiece	170-5195	
MX-DAH4	Desolder Air Line	170-5196	
MX-W1AV	Solder Handpiece Stand	170-5197	
MX-W4PT	Precision Tweezer Stand	170-5198	
MX-W5DS	Desolder Stand	170-5199	

MFR-SRC Soldering and Rework System



The MFR Series uses Metcal SmartHeat® technology to deliver the power required for lead-free connections. Smartheat's variable power technology instantaneously senses and continuously delivers the precise thermal energy to the pad, yielding high quality solder joints while protecting sensitive components from damage.

- Powered by Metcal SmartHeat® technology
- Mains and Hand piece Ground Detection
- Hand Piece motion sensors for extended tip life with lead free
- Brass cleaning pad for removal of lead free solder tarnish
- Automatic power down and stand by modes
- Small shaft diameter provides access to tightly cramped rework areas
- **Note:** MFR-HSR handpiece uses SFP-*** series tips
- **Note:** MFR-HPS handpiece uses SFV-*** series tips

Contents: Control unit, soldering and rework handpiece (MFR-HSR) and soldering workstand.

450657

Description	Mfrs. List No.	Order Code	Price Each
Solder/Rework Station	MFR-SRC	127-7174	
Replacement Accessories			
Soldering / Rework Handpiece	MFR-HSR	116-1558	
Optional Accessories			
Soldering Handpiece	MFR-HPS	127-7176	

MFR-PTZ Precision Tweezer, Soldering and Rework System



- Powered by Metcal SmartHeat® technology
- Mains and Hand-piece Ground Detection
- Hand-piece motion sensors for extended tip life with lead free
- Brass cleaning pad for removal of lead free solder tarnish
- Automatic power down and stand-by modes
- Small shaft diameter provides access to tightly cramped rework areas
- Tweezer designed to be lightweight and easy to use
- Removes even the smallest of discrete components, such as 0201 packages
- Double sided pivot for "true tweezer" action and a dual position pitch adjustment
- Tip precision alignment action ensures tips are always parallel
- 220/240 VAC, 50/60Hz
- Tips for MFR-HSR Hand-piece: see SFP-Series
- Tips for MFR-HPT Precision Tweezer Handpiece: see TFP-Series

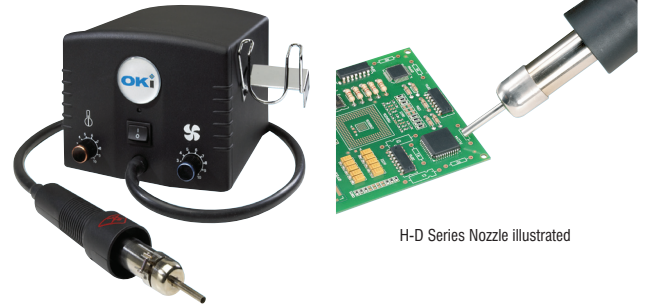
The above mentioned tips are designed for use with glass fibre (FR4) PCB substrates. The MFR-PTZ Precision Tweezer Soldering and Rework System includes: MFR-PS1K: Two Port Universal Voltage Power Supply; MFR-HPT: Precision Tweezer Hand-Piece; MFR-WSP: Tweezer Workstand; MFR-HSR: Cartridge Solder / Rework Hand-piece; MFR-WSSR: Soldering Workstand

429205

Description	Mfrs. List No.	Order Code	Price Each
Precision Tweezer, Soldering and Rework System	MFR-PTZ	116-1523	
Replacement Accessories			
Precision Tweezer Hand-piece	MFR-HPT*	116-1557	
Cartridge Solder / Rework Hand-piece W/Cord	MFR-HSR*	116-1558	
Soldering Workstand	MFR-WSSR	116-1560	
Price per Pack			
Sponge (Pack of 10)	AC-Y10	116-1553	
Brass Pad (Pack of 10)	AC-BP	116-1551	

* Compatible with the MFR-PTZ and MFR-DSI Systems

HCT-900 Hand Held Convection Tool SMT Component Rework (Soldering/De-Soldering)



H-D Series Nozzle illustrated

The HCT-900 hand held convection tool is a versatile rework solution for a wide variety of production and rework application challenges. It has a simple, compact robust design comprising of analog controls for both airflow and heat.

The HCT-900 can be used for the removal and refitting of electronic components, including lead-free, from Q201 up to 304 pin QFP. It is also effective at reworking pin in-hole devices such as sockets and connectors. And, using it with solder braid and flux is a fast and efficient way to remove solder shorts and splashes. It can also be used in plastic applications such as applying shrink wrap to components or the formation of plastic rivets.

- Closed-loop thermocouple feedback control delivers repeatable heating based on the setting programmed regardless of airflow control
- Settings can be replicated for applications
- Low noise heavy duty air pump delivers airflow control for the most demanding applications
- Power off cool down functions retains airflow while unit powers down for heat and air-flow (individually adjustable)
- Fully ESD compliant

Contents: Control unit, hand tool, H-D50 5mm nozzle

Supply Voltage	220V AC ac 50Hz	Temperature Range	100°C to 500°C
Power Rating	400W	Dimensions (HxWxD)	140x170x210mm
Air Pump Type	Diaphragm	Noise Level	<46 dBA
Air Flow	6-25 Litres/min.	Weight	4.7kg

417101

Description	Mfrs. List No.	Order Code	Price Each
Soldering/De-Soldering Station	HCT-900-21	101-5504	

MRS-1000A Modular Rework System



A convection rework system for the removal and placement of QFP/BGA/CSP and SMT components. The MRS provides rework solutions to customers who have a need to repair PCB's in a simple and professional manner.

- Digital display for repeatable temperature settings and profile control
- Automatic control of the preheater for simple operation
- Easy profile creation for operator repeatability
- Integrated vacuum pickup for easy component removal
- Hand held or tool holder mounted for operator comfort
- Manual mode for quick setup
- External thermocouple for process setup and verification
- Digital controlled airflow for repeatable results
- X, Y, Z and Theta controls for component alignment
- Adjustable PCB holder for easy change outs
- Automatic vacuum lift off at the end of the cycle

MRS-1000A Contents: PCT-1000 Programmable Preheater, HCT-1000 Programmable Hand Held Convection Tool, ATH-1000 Adjustable Tool Holder and LM-1000 Light Magnifier.

549783

Description	Mfrs. List No.	Order Code	Price Each
Modular Rework System	MRS-1000A	177-3269	
Hot Air Rework Station	HCT-1000	177-3270	
Preheater	PCT-1000	177-3271	

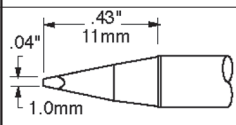
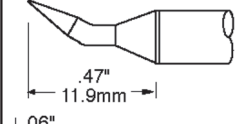
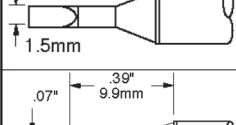
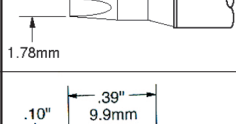
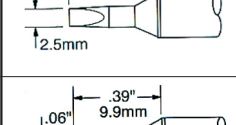
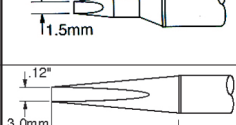
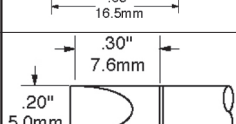
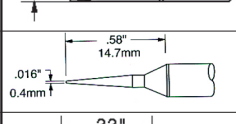
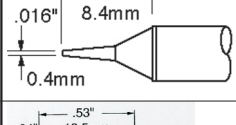
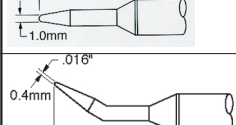
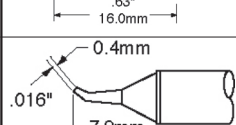
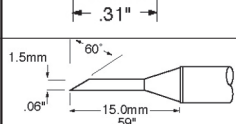
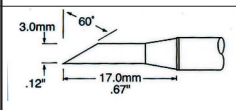

OKI/Metcal Tips & Accessories

PHT-75xxxx Soldering Tips

For the PS-800 System - 750 Series, 415°C

PHT-75xxxx soldering tip cartridges are for use with the PS-800 soldering handpieces.



TIP IMAGE	SIZE (WxL) mm	DESC.	ORDER CODE	TYPE NO./ (MFRS. LIST NO.)
	1.0x11	Chisel Fine 30°	776-4316	PHT-750315
	1.5x11.9	Chisel Fine/Bent 30°	776-4324	PHT-750326
	1.78x9.9	Chisel Fine 30°	776-4332	PHT-750335
	2.5x9.9	Chisel 30°	776-4340	PHT-751355
	1.5x9.9	Chisel 60°	776-4359	PHT-750325
	3.0x16.5	Long Chisel 30°	776-4367	PHT-751367
	5.0x7.6	Large Chisel 30°	776-4375	PHT-751384
	0.4x14.7	Conical 60°	776-4383	PHT-752017
	0.4x8.4	Conical Sharp/ Fine	776-4391	PHT-752035
	1.0x13.5	Conical Fine	776-4405	PHT-752057
	0.4x16.0	Conical Fine/Bent	776-4413	PHT-752327
	0.5x7.9	Conical Fine/Bent 30°	776-4421	PHT-752335
	1.5x15.0	Mini-Hoof 60°	776-4430	PHT-754637
	3.0x17.0	Hoof 60°	776-4448	PHT-754687

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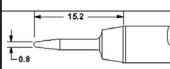
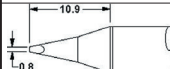

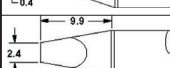
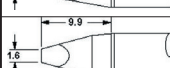
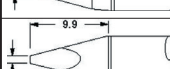
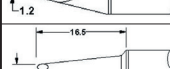
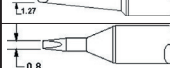
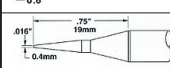
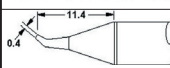
Tip Size	Tip Length	Tip Type	Mfrs. List No.	Order Code	Price Each
1.0 mm	11mm	Chisel Fine 30°	PHT-750315	776-4316	
1.5 mm	11.9mm	Chisel Fine/Bent 30°	PHT-750326	776-4324	
1.78 mm	9.9mm	Chisel Fine 30°	PHT-750335	776-4332	
2.5mm	9.9mm	Chisel 30°	PHT-751355	776-4340	
1.5 mm	9.9mm	Chisel 60°	PHT-750325	776-4359	
3mm	16.5mm	Long Chisel 30°	PHT-751367	776-4367	
5.0mm	7.6mm	Large Chisel 30°	PHT-751384	776-4375	
0.4 mm	14.7mm	Conical 60°	PHT-752017	776-4383	
0.4 mm	8.4mm	Conical Sharp/Fine	PHT-752035	776-4391	
1.0 mm	13.5mm	Conical Fine	PHT-752057	776-4405	
0.4 mm	16.0mm	Conical Fine/Bent	PHT-752327	776-4413	
0.5 mm	7.9mm	Conical Fine/Bent 30°	PHT-752335	776-4421	
1.5 mm	15.0mm	Mini-Hoof 60°	PHT-754637	776-4430	
3mm	17mm	Hoof 60°	PHT-754687	776-4448	

SP200 Solder Tip Cartridges

For SP200 Soldering System

- Available in a choice of two temperatures - Select the 600 series for 600°F (330°C), or 700 series for 700°F (390°C)



TIP IMAGE	SIZE (WxL) mm	DESC.	TIP SERIES/ ORDER CODE		TYPE NO.
			600°F	700°F	
	0.8x15.2	Conical Sharp	495-1281	495-1189	SSC-X01A
	0.8x10.9	Chisel 30°	495-1293	495-1190	SSC-X25A
	0.4x11.4	Conical Sharp	495-1300	495-1207	SSC-X22A
	2.4x9.9	Chisel 30°	495-1311	495-1219	SSC-X36A
	1.6x9.9	Chisel 30°	495-1323	495-1220	SSC-X37A
	1.2x9.9	Chisel 30°	495-1335	495-1232	SSC-X38A
	1.27x16.5	Drag Soldering Tip (Mini Hoof)	495-1347	495-1244	SSC-X67A
	0.8x9.1	Conical Chisel	495-1359	495-1256	SSC-X71A
	0.4x19	Conical Sharp	495-1360	495-1268	SSC-X45A
	0.4x11.4	Sharp Bent 30°	495-1372	495-1270	SSC-X26A

TYPE NO. - For the full Mfrs. List No., X = 0 for the 600°F, and 1 for the 700°F types

339240

Description	Order Code	Price Each
All Tips (Except Mini Hoof)	All Order Codes	
Drag Soldering Tip (Mini Hoof) 600°F	495-1347	
Drag Soldering Tip (Mini Hoof) 700°F	495-1244	

STTC Soldering Tip Cartridges

For MX and STSS Systems



STTC soldering tip cartridges are for use with the MX and STSS soldering/rework handpieces only. They cannot be used with the SP systems, Talon® or desoldering handpieces.

- Available in a choice of two temperatures - Select the 600 series for 600°F (330°C), or 700 series for 700°F (390°C)

No.	TIP IMAGE	SIZE (WxL) mm	DESC.	TIP SERIES/ ORDER CODE		TYPE NO.
				600°F	700°F	
1		0.4x13.7	Conical Sharp	495-0501	495-0604	STTC-X06
2		5.0x7.6	Extra Large Chisel 30°	495-0513	495-0616	STTC-X17
3		0.4x8.4	Conical Sharp	495-0525	495-0628	STTC-X22
4		1.0x9.1	Chisel 30°	495-0537	495-0630	STTC-X25
5		2.5x9.9	Chisel 30°	495-0549	495-0641	STTC-X36
6		1.78x9.9	Chisel 30°	495-0550	495-0653	STTC-X37
7		1.5x9.9	Chisel 30°	495-0562	495-0665	STTC-X38
8		0.4x16	Conical Bent 30°	495-0574	495-0677	STTC-X40
9		0.4x14.7	Bevel 60°	495-0586	495-0689	STTC-X45
10		0.25x13.2	Micro Fine Tip	495-0598	495-0690	STTC-X90

TYPE NO. - For the full Mfrs. List No., X = 0 for the 600°F, and 1 for the 700°F types

- For limited access SMT rework
- General-purpose SMT and through-hole tip when access is limited
- Sharp tip cartridge for soldering SMT components or fine wire applications (not for general through-hole tasks)
- Good for a variety of light soldering tasks. Looking for a surface mount touch-up tip? The STTC-025 should be your first choice
- For medium to heavy load joints requiring extra reach
- For a wide variety of tasks. If you are choosing the first tip for your Metcal system, the STTC-037 is ideal
- A finer version of the STTC-037. Ideal for medium to light through-hole and general surface mount touch-up
- Tip for soldering SMT components. The bend makes it much easier to work on small circuits and PLCCs
- An extended length fine tip for surface mount or fine wire applications (not for general through-hole tasks)
- Microfine tip designed for soldering and touch-up of micro components such as 0201s and 0402s

Description	Order Code	Price Each
Soldering Tip Cartridges	All Order Codes	

SFV-xxxx Soldering Tips



SFV-xxxx soldering tip cartridges are for use with the PS-900 & PS-800E systems and the MFR-H4-TW handpiece available for the MFR range.

Tip Image	Size (WxL) mm	Desc.	Order Code	Type No./ (Mfrs. List No.)
	0.5x8.5	Conical	127-7177	SFV-CN05
	1.0x11	Chisel 30°	127-7178	SFV-CH10
	2.0x10	Chisel 30°	127-7179	SFV-CH20
	2.5x11	Chisel 30°	127-7180	SFV-CH25
	5.0x10	Large Chisel 30°	127-7181	SFV-CH50

Tip Image	Size (WxL) mm	Desc.	Order Code	Type No./ (Mfrs. List No.)
	1.5x12.2	Chisel Bent 30°	156-0741	SFV-CHB15
	1.4x15	Conical Long Reach 60°	127-7183	SFV-CNL14
	1.0x13	Conical Long Reach	127-7184	SFV-CNL10
	0.4x13.6	Conical Long Reach	127-7185	SFV-CNL04
	0.5x13.7	Conical	136-2241	SFV-CN05A
	1.0x15.0	Conical	136-2242	SFV-CNL10A
	1.5x13.4	Chisel	136-2243	SFV-CH15A
	1.8x13.4	Fine	136-2244	SFV-CH18A
	2.5x13.4	Chisel	136-2245	SFV-CH25A
	0.3x18.4	Conical	136-2246	SFV-CNL03A
	0.4x19.6	Conical Bent	136-2247	SFV-CNB04A
	3.0x20.4	Drag	136-2248	SFV-DRH430A

450658
Tip Size Tip Length Tip Type Mfrs. List No. Order Code Price Each

Power Heater Tips				
0.5 mm	8.5mm	Conical	SFV-CN05	127-7177
1.0 mm	11mm	Chisel 30°	SFV-CH10	127-7178
2.0mm	10mm	Chisel 30°	SFV-CH20	127-7179
2.5mm	11mm	Chisel 30°	SFV-CH25	127-7180
5.0mm	10mm	Large Chisel 30°	SFV-CH50	127-7181
1.5 mm	12.2mm	Chisel Bent 30°	SFV-CHB15	156-0741
1.4 mm	15.0mm	Conical Long Reach 60°	SFV-CNL14	127-7183
1.0 mm	13mm	Conical Long Reach	SFV-CNL10	127-7184
0.4 mm	13.6mm	Conical Long Reach	SFV-CNL04	127-7185
"Easy Access" Power Heater Tips				
0.5 mm	13.7mm	Conical	SFV-CN05A	136-2241
1.0 mm	15.0mm	Conical	SFV-CNL10A	136-2242
1.5 mm	13.4mm	Chisel	SFV-CH15A	136-2243
1.8 mm	13.4mm	Fine	SFV-CH18A	136-2244
2.5mm	13.4mm	Chisel	SFV-CH25A	136-2245
0.3 mm	18.4mm	Conical	SFV-CNL03A	136-2246
0.4 mm	19.6mm	Conical Bent	SFV-CNB04A	136-2247
3mm	20.4mm	Drag	SFV-DRH430A	136-2248

Accessories	Price Per Pack
Identification Ring Kit 50 per pack	AC-CK4 156-0742

PTCC Soldering Tips
For use with the MX-PTZ Hand-piece



The MX-PTZ Precision Tweezers Hand-piece provides an efficient and ergonomic resource to users for removal and replacement of chip and SOIC packages. Especially with larger tip geometries, where heat volume is required for an efficient process, the MX-5000 System offers exceptional speed and control over the rework process.



OKI/Metcal Tips & Accessories - continued

PTCC Soldering Tips - continued

For use with the MX-PTZ Hand-piece - continued

Tip Image	Size (WxL) mm	Desc.	Order Code	Type No./(Mfrs. List No.)
	0.4 x 19	Conical	170-5205	PTTC-701
	0.4 x 14.3	Bent 30°	170-5206	PTTC-701B
	1.3 x 16.5	Blade	170-5207	PTTC-702
	2 x 16.5	Blade	170-5208	PTTC-703
	6.3 x 12.7	Blade	170-5211	PTTC-704
	16 x 12.7	Blade	170-5212	PTTC-705
	20.5 x 12.7	Blade	170-5213	PTTC-706
	28 x 12.7	Blade	170-5214	PTTC-707

535417

Price Each

Tip Size	Tip Length	Tip Type	Mfrs. List No.	Order Code
0.4mm	19mm	Conical	PTTC-701	170-5205
0.4mm	14.3 mm	Bent 30°	PTTC-701B	170-5206
1.3mm	16.5mm	Blade	PTTC-702	170-5207
2mm	16.5mm	Blade	PTTC-703	170-5208
6.3mm	12.7 mm	Blade	PTTC-704	170-5211
16mm	12.7 mm	Blade	PTTC-705	170-5212
20.5mm	12.7 mm	Blade	PTTC-706	170-5213
28mm	12.7 mm	Blade	PTTC-707	170-5214

Tools and Maintenance

37

UFTC Soldering Tips

For use with the Metcal UltraFine™ Hand-piece (MX-H2-UF)



Tip Image	Size (WxL) mm	Desc.	Order Code	Type No./(Mfrs. List No.)
	0.6 x 5.1	Chisel	170-5200	UFTC-7CH06
	0.8 x 5.1	Chisel	170-5201	UFTC-7CH08
	0.13 x 5.1	Conical	170-5202	UFTC-7CN01
	0.2 x 5.1	Conical	170-5203	UFTC-7CN02
	0.4 x 5.1	Conical	170-5204	UFTC-7CN04

535413

Price Each

Tip Size	Tip Length	Tip Type	Mfrs. List No.	Order Code
0.6mm	5.1mm	Chisel	UFTC-7CH06	170-5200
0.8mm	5.1mm	Chisel	UFTC-7CH08	170-5201
0.13mm	5.1mm	Conical	UFTC-7CN01	170-5202
0.2mm	5.1mm	Conical	UFTC-7CN02	170-5203
0.4mm	5.1mm	Conical	UFTC-7CN04	170-5204

Over 500 000 products available online



Precision Tweezers Cartridges

For Precision Tweezer Hand-pieces



- Supplied in pairs to be used in the Precision Tweezer Hand-pieces
- Conduction rework of very fine surface mount chip components
- Designed for use with glass fiber (FR4) PCB substrates

Tip Image	Desc.	Order Code	Type No./(Mfrs. List No.)
	Tweezer Cartridge, 1.0mm Blade Pair	116-1542	TFP-BLP1
	Tweezer Cartridge, 2.0mm Blade Pair	116-1543	TFP-BLP2
	Tweezer Cartridge, Conical 0.4mm Pair	116-1545	TFP-CNP1

429262

Tip Type	Mfrs. List No.	Order Code	Price Each
Tweezer Cartridge, 1.0mm Blade Pair	TFP-BLP1	116-1542	
Tweezer Cartridge, 2.0mm Blade Pair	TFP-BLP2	116-1543	
Tweezer Cartridge, Conical 0.4mm Pair	TFP-CNP1	116-1545	

Standard Soldering Tips Cartridges

For the MFR-H1-SC Soldering & Rework Hand-piece



- Used with the MFR-HSR Soldering & Rework Hand-piece
- Designed to deliver outstanding performance for point-to-point soldering and basic rework applications
- The geometries within the range have been optimized to deliver maximum accessibility
- Optimal thermal efficiency within a narrow cartridge diameter
- Designed for use with glass fiber (FR4) PCB substrates

TIP IMAGE	SIZE (WxL) mm	DESC.	ORDER CODE	TYPE NO./ (MFRS. LIST NO.)
	1.0x9.2	Chisel Cartridge, 30°	116-1525	SFP-CH10
	1.5x10	Chisel Cartridge, 30°	116-1526	SFP-CH15
	2.0x10	Chisel Cartridge, 30°	116-1527	SFP-CH20
	2.5x10	Chisel Cartridge, 30°	116-1528	SFP-CH25
	5.0x7.6	Chisel Cartridge, 30°	116-1529	SFP-CH50
	2.0x16.04	Chisel Cartridge, 60° long reach	116-1530	SFP-CHL20
	0.4x8.6	Conical Cartridge	116-1531	SFP-CN04
	0.4x14.9	Conical Cartridge, long reach	116-1533	SFP-CNL04
	1.5x16.5	Drag Soldering Cartridge, Hoof	116-1534	SFP-DRH15
	3.5x17.78	Drag Soldering Cartridge, Hoof	116-1535	SFP-DRH35

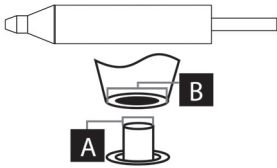
429214

Tip Length	Tip Type	Mfrs. List No.	Order Code	Price Each
1.0mm	9.2mm Chisel Cartridge, 30°	SFP-CH10	116-1525	
1.5mm	10mm Chisel Cartridge, 30°	SFP-CH15	116-1526	
2.0mm	10mm Chisel Cartridge, 30°	SFP-CH20	116-1527	
2.5mm	10mm Chisel Cartridge, 30°	SFP-CH25	116-1528	
5.0mm	7.6mm Chisel Cartridge, 30°	SFP-CH50	116-1529	

Tip Length	Tip Type	Mfrs. List No.	Order Code	Price Each
2.0mm	16.04mm Chisel Cartridge, 60° long reach	SFP-CHL20	116-1530	
0.4mm	8.6mm Conical Cartridge	SFP-CN04	116-1531	
0.4mm	14.9mm Conical Cartridge, long reach	SFP-CNLO4	116-1533	
1.5mm	16.5mm Drag Soldering Cartridge, Hoof	SFP-DRH15	116-1534	
3.5mm	17.78mm Drag Soldering Cartridge, Hoof	SFP-DRH35	116-1535	

Desoldering Cartridges

For the MFR-HDS De-soldering Hand-piece



- Used with the MFR-HDS De-soldering Hand-piece
- Primarily for solder removal on through-hole components
- The tips are supplied in a range of diameters
- Improved access on tightly packed PCBs
- Designed for use with glass fiber (FR4) PCB substrates

429254

Ø A mm	Ø B mm	Tip Type	Mfrs. List No.	Order Code	Price Each
0.67mm	1.80mm	Desoldering Tip	DFP-CN2	116-1536	
0.79mm	2.05mm	Desoldering Tip	DFP-CN3	116-1537	
1.05mm	2.30mm	Desoldering Tip	DFP-CN4	116-1538	
1.31mm	2.65mm	Desoldering Tip	DFP-CN5	116-1539	
1.55mm	2.85mm	Desoldering Tip	DFP-CN6	116-1540	
2.44mm	3.65mm	Desoldering Tip	DFP-CN7	116-1541	

SMT Rework Tip Cartridges

Slot, Tunnel, Quad

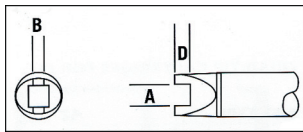


General illustration of all types - Quad, Tunnel, Slot

Designed for reworking SMT components, SMTC tip cartridges do it all - assembly, removal and cleaning. The range includes slot, tunnel and quad tip cartridges.

Note: For use with the MX-RM3E soldering/rework handpieces for STSS/MX systems only. They cannot be used with SP systems, Talon® or desolder handpieces.

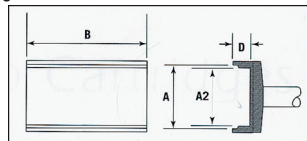
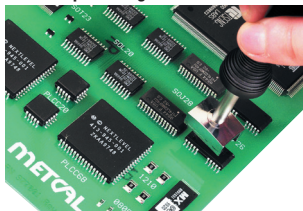
Slot Tip Cartridges



- 600°F (330°C)

SMT Type	Dimensions (mm)			Mfrs. List No.	Order Code	Price Each
	A	B	D			
Chip 0805	2.29	1.27	1.79	SMTC-001	495-0951	
Chip 1206, 1210	3.56	1.52	1.79	SMTC-002	495-0963	
Chip 1808, 1812	4.83	2.03	1.91	SMTC-003	495-0975	
Chip SOT-23	1.73	2.54	1.27	SMTC-005	495-0987	
Chip 0402, 0603	1.78	1.02	1.02	SMTC-096	495-1025	

Tunnel Tip Cartridges for DUAL In-Line Packages



- 600°F (330°C)

SMT Type	Dimensions (mm)				Mfrs. List No.	Order Code	Price Each
	A2	A	B	D			
SOIC-8	5.08	5.08	4.32	2.29	SMTC-004	495-0999	
SOIC-14,-16	5.08	5.08	10.16	2.29	SMTC-006	495-1001	
TSOP-56	18.54	19.30	14.12	3.05	SMTC-0162	495-1013	

339322

Spotted an error?



Now you can update our product information online. Simply search for the order code at www.element14.com and look for this logo to notify us of an error.

Hoof and Knife Tip Cartridges

Part of SMTC Series

- For drag soldering
- Available in a choice of two temperatures - Select the 600 series for 600°F (330°C), or 700 series for 700°F (390°C)



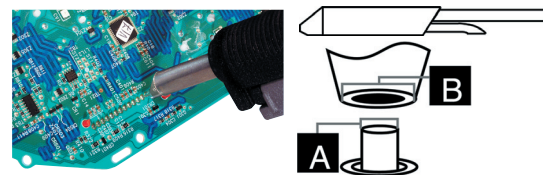
TIP IMAGE	SIZE (WxL) mm	DESC.	TIP SERIES/ORDER CODE	
			600°F (357°C)	700°F (412°C)
	3.3x17.78	Multi Lead Hoof	495-0938	495-0896
	1.52x16.51	Mini-Hoof	495-0940	495-0902
	(2.03x4.83) x16.51	Multi Lead Knife		495-0926
	15.75x39.37	Blade		495-0914

339311

Description	Temp.	Mfrs. List No.	Order Code	Price Each
Multi Lead Hoof	357°C	SMTC-0147	495-0938	
Multi Lead Hoof	412°C	SMTC-1147	495-0896	
Mini-Hoof	357°C	SMTC-0167	495-0940	
Mini-Hoof	412°C	SMTC-1167	495-0902	
Multi Lead Knife	412°C	SMTC-1161	495-0926	
Blade	412°C	SMTC-161	495-0914	

STDC Desoldering System Tip Cartridges

Standard Type



- Quick tip changeover
- Available in a choice of two temperatures - Select the 600 series for 600°F (330°C), or 700 series for 700°F (390°C)

DIAMETERS (MM)		TIP SERIES/ORDER CODE		TYPE NO.
A	B	600°F (357°C)	700°F (412°C)	
0.76	1.68		495-0719	STDC-103
1.02	1.78		495-0720	STDC-104
1.27	2.03		495-0732	STDC-105
1.52	2.29	495-0800	495-0744	STDC-X06
2.41	3.18		495-0756	STDC-107

The **Type No.** shown in the above table is the Manufacturers List No. For the 600°F type, X = 0 and for the 700°F type, X = 1

339292

Description	Order Code	Price Each
Desoldering Tip Cartridges	All Order Codes	

HCT-1000 Accessories



Size	Mfrs. List No.	Order Code	Price Each
Nozzle			
7 x 7mm	HN-B0707	177-3272	
10 x 10mm	HN-B1010	177-3273	
14 x 14mm	HN-B1414	177-3274	
18 x 18mm	HN-B1818	177-3275	
25 x 25mm	HN-B2525	177-3277	

549785

OKI/Metcal Tips & Accessories - continued

HCT-1000 Accessories - continued

Size	Mfrs. List No.	Order Code	Price Each
Nozzle			
32 x 32mm	HN-B3232	177-3278	
40 x 40mm	HN-B4040	177-3279	
∅ 5mm	HN-J0005	177-3280	
Vacuum Cup			Price Per Pack
5 Per Pack			
∅ 6.4mm	HCTA-VC64-5	177-3281	
∅ 11mm	HCTA-VC11-5	177-3282	

Pace Soldering/De-Soldering Stations

Technology



IntelliHeat

IntelliHeat is the only thermal control system capable of managing multiple types of heating technologies within a single Power Source.

There is no longer a need to have multiple Power Sources on your work bench or to force operators to use only one heating technology. Simply plug in any compatible handpiece and IntelliHeat does the rest.

The IntelliHeat Control System allows either SensaTemp® or Tip-Heater Cartridge based technology handpieces to be plugged into a single Power Source.

Finally, the benefits of SensaTemp® and Tip-Heater Cartridge based technology can be found in a single system, without restriction.

PACE's legendary SensaTemp® technology is renowned for its temperature stability and ability to handle high mass applications.

For smaller components and when through-put is important, there is Tip-Heater Cartridge based technology. Tip-Heater Cartridge based technology is a patented technology that boasts the best response time for high volume applications and easily keeps up in a fast paced environment.

SensaTemp®

At the heart of SensaTemp® is a laser trimmed, platinum RTD sensor that is more than 5 times more accurate than conventional thermo-couples. This level of accuracy allows for safe, productive soldering at the lowest possible temperatures. As a result, the amount of time spent reflowing each joint is reduced, minimizing the possibility of damage.

Additionally, SensaTemp® allows you to change tips, heaters and handpieces at will, without ever having to re-calibrate!

SensaTemp®'s unique heater design acts as a thermal dampener that minimizes tip temperature overshoot, ensures temperature stability and creates a "thermal reservoir" that can be accessed instantaneously when high mass applications are being performed.

SensaTemp® delivers consistent, repeatable results regardless of the thermal demand of the work. Its ability to respond quickly is ideal for light work, while its amazing thermal capacity can meet the challenges of the heaviest thermal loads, providing the operator with the flexibility that is essential in today's ever changing environment.

Regardless of your application, SensaTemp® delivers unsurpassed thermal performance, productivity and "bottom line" savings.

555420

ST 30 High Performance Analogue Soldering Station



- Intelliheat™ thermal control system
- High capacity SMT/thru-Hole soldering
- Analogue dial temperature control
- Rugged, highly durable metal housing
- ESD grounding jack
- Temperature lockout facility
- Includes TD-100 ThermoDrive® Soldering Iron
- Tips not included

Power requirements 230VAC, 50HZ, 90W
 Dimensions 104 x 130 x 152mm
 Weight 2.3Kg
 Temp. stability ±1.1°C (±2°F) @ Idle tip temp
 Temp. range 176°C - 482°C (350°F - 900°F)

447603

Description	Mfrs. List No.	Order Code	Price Each
ST 30 with TD-100 Handpiece	8007-0512	127-9325	

FREE technical support

Our trained engineers are here to help!



See inside front cover



See inside front cover



www.element14.com

ST 50 High Performance Digital Soldering Station



- Intelliheat™ thermal control system
- High capacity SMT/thru-Hole soldering
- Digital LED temperature readout
- Colour coded temperature control keys
- Temperature setback and Auto-Off safety system
- Rugged, highly durable metal housing
- ESD grounding jack
- Password lockout facility
- Definable operating temperature range
- Various handpieces available
- Tips not included

Power requirements 230VAC, 50HZ, 90W
 Dimensions 104 x 130 x 152mm
 Weight 2.3Kg
 Temp. stability ±1.1°C (±2°F) @ Idle tip temp
 Temp. range 37°C - 482°C (100°F - 900°F)

447606

Description	Mfrs. List No.	Order Code	Price Each
ST 50 with TD-100 Handpiece	8007-0514	127-9326	
ST 50 with PS-90 Handpiece	8007-0533	126-7505	

ST 65 Soldering System



New



The ST 65 is a single channel, dial control system features the SX-90 Sodr-X-Tractor. Compatible with all IntelliHeat™ handpieces. Featuring a powerful multi-stage venturi powered by your compressed air source, the ST 65 is ideal for applications requiring continuous pressure. It is compatible with all IntelliHeat handpieces. Tips supplied separately.

- IntelliHeat Control Technology
- °C/°F Temperature Scales
- Temperature Adjustment Lockout
- Patented Snap-Vac Technology
- ESD grounding jack
- ESD Safe metal housing
- Stackable
- Tips not included

Power requirements 197-253 VAC, 50/60Hz, 90 Watts Max
 Dimensions 104 x 130 x 152mm
 Weight 2.3Kg
 Temp. stability ±1.1°C (±2°F) @ Idle tip temp
 Temp. range 176°C - 482°C (350°F - 900°F)

551704

Description	Mfrs. List No.	Order Code	Price Each
ST 65 with SX-90 Handpiece	8007-0516	177-5252	
ST 65 Power Unit	8007-0517	177-5253	

ST 70 Power Module Controlled Soldering System



- Intelliheat™ thermal control system
- Definable operating temperature controlled by Power Modules™
- High capacity SMT/thru-Hole soldering
- Colour coded temperature control Power Modules™
- Rugged, highly durable metal housing
- ESD grounding jack
- Supplied with 6.5, 7 and 7.5 Power Modules™
- Includes TD-100 Universal Soldering Iron
- Tips not included

The ST 70 is a single channel system that is controlled by POWER MODULES™ and comes with the Thermo Drive soldering iron (TD-100). The operating temperature is pre-determined by plugging in the appropriate colour coded Power Module into the port on the front of the station.

Power requirements 230VAC, 50HZ, 90W
 Dimensions 104 x 130 x 152mm
 Weight 2.3Kg
 Temp. stability ±1.1°C (±2°F) @ Idle tip temp
 Temp. range Determined by Power Module.

447622

Description	Mfrs. List No.	Order Code	Price Each
ST 70 with TD-100 Handpiece	8007-0518	127-9327	

Get the most competitive price

We continually review our prices so that you get the very best value.

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ST 75 Soldering and Rework Station



The ST 75 Soldering and rework system is ideal for users who need the flexibility of a system that can be used to solder, desolder, remove components with a variety of tweezers and thermo-piks, as well as make use of the high performance, foot pedal activated air pencil. Utilising Pace's SNAPVAC desoldering technology to ensure quick, clean removal of solder from any through hole or surface mount joint.

- Intelliheat™ thermal control system
- Self contained de-soldering station
- ESD grounding jack
- Requires no calibration
- Auto snap-vac increases heater/tip life
- Quiet vacuum pump
- Wide range of tips available
- Accepts any Pace Intelliheat handpiece
- Temperature lockout
- Tips not included

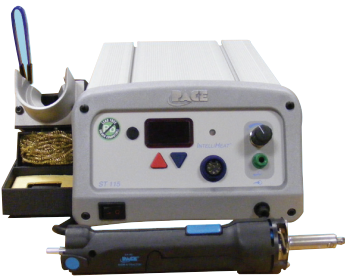
Specifications:
 Operates on 197-253V AC, 50Hz Temp. Range 176°C to 482°C
 120 Watts max. at 230Vac, 50Hz Temp. Stability ±1.1°C at idle from set tip temp

447624

Price Each

Description	Mftrs. List No.	Order Code
ST 75 with SX-90 Handpiece	8007-0520	127-9329
ST 75 Power Unit	8007-0521	127-9375

ST 115 Soldering and Rework Station



The ST 115 Soldering and rework system is ideal for users who need the flexibility of a system that can be used to solder, desolder, remove components with a variety of tweezers and thermo-piks, as well as make use of the high performance, foot pedal activated air pencil. Utilising Pace's SNAPVAC desoldering technology to ensure quick, clean removal of solder from any through hole or surface mount joint.

- Intelliheat™ thermal control system
- Digital display & keypad
- Self contained de-soldering station
- Password lockout facility
- Temperature setback and Auto-off
- User defined operating temperature range
- ESD grounding jack
- Requires no calibration
- Auto snap-vac increases heater/tip life
- Quiet vacuum pump
- Wide range of tips available
- Accepts any Pace Intelliheat handpiece
- Tips not included

Specifications:
 Operates on 197-253V ACac, 50Hz Temp. Range 176°C to 482°C
 120 Watts max. at 230Vac, 50Hz Temp. Stability ±1.1°C at idle from set tip temp

447625

Price Each

Description	Mftrs. List No.	Order Code
ST 115 with SX-90 Soldering Iron	8007-0522	127-9330
ST 115 Power Unit	8007-0523	NEW 177-5254

MBT 250 Digital High Performance Rework System



The MBT 250-SDPT provides you with an advanced, microprocessor-based Thermal SMT and repair management centre which powers and controls three SensaTemp handpieces simultaneously for safe, rapid installation and removal of surface mount and thru-hole components.



- Setback automatically reduces tip temperature to 350°F/177°C after 10-90 minutes
- Manual mode allows you to put all channels into setback; Auto Off
- High power, 3 channel system - 185 watts total power
- Independently powered
- °F/°C selector key
- Tip and temperature selection system charts make choosing the right tip and temperature easy
- Tips not included

Power requirements 230VAC, 50/60Hz, 207 Watts maximum
 Dimensions 135 x 165 x 260mm
 Weight 5Kg
 Temp. stability ±1.1°C (±2°F) @ idle from set tip temp
 Temp. range 38°C to 482°C (100°F to 900°F) nominal

551706

Description	Mftrs. List No.	Order Code	Price Each
MBT 250 with PS-90, SX-90, TT-65 & TP-65 Handpieces	8007-0207	177-5255	
MBT 250 Power Unit	8007-0353	177-5256	

**MBT 301 Rework Station
SMT/Through Hole Dual Channel System**



The MBT 301 is a multi-technology digital rework and repair system. The unit has 2 individually controlled universal handpiece channels which can be password protected to work within an approved operating temperature. A backlit, digital, LCD screen displays the temperature of all three handpiece channels. The MBT 301 incorporates Pace's SNAPVAC desoldering technology to ensure quick, clean removal of solder from any through hole or surface

mount joint, when used with an air pencil the pressure control valve allows for precise adjustments when working on the smallest components such as 0201's.

- 2 individually controlled channels
- Digital display & keypad
- Password lockout facility
- Temperature setback and Auto-off
- User defined operating temperature range for each channel
- ESD grounding jack
- Auto snap-vac increases heater/tip life
- Quiet vacuum pump
- Wide range of tips available
- Tips not included

240 Watts max. at 230Vac, 50Hz Temp. Range 37°C to 482°C
 Temp. Stability ±1.1°C at idle from set tip temp

447728

Price Each

Description	Mftrs. List No.	Order Code
MBT 301 with TD-100 & SX-80 Handpieces	8007-0479	127-9346
MBT 301 with PS-90 & SX-90 Handpieces	8007-0550	NEW 177-5257
MBT 301 Power Unit	8007-0481	NEW 177-5258

**MBT 350 Rework Station
SMT/Through Hole Multi-Channel System**



The MBT 350 is a fully programmable digital rework and repair system. The unit has 3 individually controlled universal handpiece channels which can be password protected to work within an approved operating temperature. A backlit, digital, LCD screen displays the temperature of all three handpiece channels. The MBT 350 incorporates Pace's SNAP-VAC desoldering technology to ensure quick, clean removal of solder from any through hole or surface

mount joint, when used with an air pencil the pressure control valve allows for precise adjustments when working on the smallest components such as 0201's.

- 3 individually controlled channels
- Digital display & keypad
- Password lockout facility
- Temperature setback and Auto-off
- User defined operating temperature range for each channel
- ESD grounding jack
- Auto snap-vac increases heater/tip life
- Quiet vacuum pump
- Wide range of tips available
- Tips not included

Specifications:
 240 Watts max. at 230Vac, 50Hz Temp. Range 37°C to 482°C
 Temp. Stability ±1.1°C at idle from set tip temp

447727

Price Each

Description	Mftrs. List No.	Order Code
MBT 350 with TD-100, MT-100 & SX-90 Handpieces	8007-0455	127-9345
MBT 350 with PS-90, MT-100 & SX-90 Handpieces	8007-0552	NEW 177-5259
MBT 350 with 2 x PS-90 & SX-90 Handpieces	8007-0557	NEW 177-5260
MBT 350 Power Unit	8007-0453	NEW 177-5262

PRC 2000 Soldering, Desoldering & Rework System



PRC 2000 is a complete process control system for universal assembly and repair of electronic assemblies. The thermal management center powers and controls three SensaTemp handpieces simultaneously for safe, rapid installation and removal of virtually all surface mount and thru-hole components. Fully self-contained with three separate pumps for Sodr-X-Tractor, ThermoJet, and ThermoPik operation, liquid dispensing and Pik-Vac component handling. Wide array of standard hand-pieces, nine in all. Continuous automatic calibration, auto/manual temperature setback, auto power down, and constant memory. Built-in password security function. Auto tips offset compensation system. Three auxiliary SensaTemp controlled channels (rear panel) for future AC line powered accessories.

- Universal SMT component installation and removal
- Self-Contained solder cream dispensing
- Multilayer repair capability
- Continuous automatic calibration
- Automatic tip offset compensation system
- Pik-Vac Component Handling Wand
- Tips not included

Pace Soldering/De-Soldering Stations - continued

PRC 2000 Soldering, Desoldering & Rework System - continued

Power requirements	230VAC, 50/60Hz, 365 Watts maximum
Dimensions	175 x 350 x 230mm
Weight	13Kg
Temp. stability	±1.1°C (±2°F) @ idle from set tip temp
Temp. range	38°C to 482°C (100°F to 900°F) nominal
Vacuum	51 cm Hg. (20 in. Hg.) nominal
Air Flow	13 SLPM (0.46 SCFM) maximum

PRC 2000 System Contents: PS-90 Univeresal Soldering Iron, SX-90 Sodr-X-Tractor, TT-65 ThermoTweez, TP-65 ThermoPik, TJ-70 ThermoJet, LF-15 LapFlo Pulse Heat Handpiece, TW-15 ResisTweez Pulse Heat Handpiece, MC-65 MicroChine & PV-65 Pik Vac Wand.

551710

Description	Mfrs. List No.	Order Code	Price Each
PRC 2000 System	8007-0133	177-5263	

ST 300 Convective SMT Reflow System



The ST 300 can be used to remove any SMD and for installing components that can be positioned manually. The ST 300 is a self contained system with analogue controls for temperature and air-flow.

- Lockable Temperature and Airflow
- Auto shut-off
- Functional LED indicators
- Quiet operation
- Hi-flo vacuum pump for holding components securely
- Lo-flo vacuum pump for component wand

Specifications:

Operates on	197-253V AC, 50Hz	Temp. Range	149°C to 482°C
575 Watts max. at	230Vac, 50Hz	Temp. Stability	±9°C at idle tip temp

447647

Description	Order Code	Price Each
ST 300	127-9332	

Accessories

Pattern Nozzle	Jet	Jet	Mfrs.	Order Code	Price Each
Component Type	Spacing	Length	List No.		
SOICL-32 (JEDEC)	11.68mm	20.83	4028-4007	127-9364	
SOICL-28 (JEDEC)	7.9mm	18.5	4028-4006	127-9365	
SOICL-20 (JEDEC)	7.9mm	13.5	4028-4004	127-9366	

Single Jet Nozzles

Shape of Jet Tube	Nozzle Size (Diameter)		Order Code	Price Each
Curved, Round	3.0mm	4028-1001	127-9347	
Curved, Round	5.0mm	4028-1002	127-9349	
Curved, Round	8.0mm	4028-1003	127-9351	

Box Nozzles

Component Type	Nozzle Size		Order Code	Price Each
PLCC-20 (Non Baffled)	10.2mm x 10.2mm	4028-2002	127-9352	
PLCC-28 (Non Baffled)	12.8mm x 12.8mm	4028-2003	127-9353	
PLCC-32 (Non Baffled)	12.8mm x 15.3mm	4028-2004	127-9354	
PLCC-44 (Non Baffled)	17.9mm x 17.9mm	4028-2005	127-9355	
PLCC-52	20.4mm x 20.4mm	4028-2006	127-9356	
PLCC-68	25.5mm x 25.5mm	4028-2007	127-9357	
PLCC-84	30.6mm x 30.6mm	4028-2008	127-9358	
PLCC-100	38.9mm x 38.9mm	4028-2009	127-9359	
QFP-208	31.5mm x 31.5mm	4028-2505	127-9360	
QFP-240	34.6mm x 34.6mm	4028-2506	127-9362	
QFP-80/100	18.1mm x 24.1mm	4028-2501	127-9363	

Vacuum Wand Accessories

Vacuum Cup Kit, Pk3	6993-0153-P1	127-9367	
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ST 325 Digital Programme Reflow System



The ST 325 is a digital, self-contained system that is fully programmable and can be used to remove or install surface mount components when individual or multiple operations are to be run. From the front panel, the system can be used in either manual or "timed" modes. Rework Nozzles sold separately.

- Multi-level password lock-out prevents unauthorized changes
- User definable temperature zone
- Audible countdown timer for end of cycle indication in the Timed and Program modes
- On-screen display of parameters (temperature, time) during operation
- Store and recall up to 20 profiles (40 with optional software)
- Quiet-Flo turbine blower offers nearly silent operation
- Hi-Flo Vacuum Pump for holding component securely
- Lo-Flo Vacuum Pump for component wand

Power requirements	197-253 VAC, 50/60 Hz, 575Watts max.
Dimensions	134 x 245 x 264mm
Weight	4.5Kg
Temperature Control	Closed loop, digital temperature control
Temp. stability	±9°C (±15°F) @ idle tip temp.
Temp. range	176°C to 482°C (350°F to 900°F) nominal
Air Flow	5-22 slpm

ST 325 System Contents: K-type thermocouple input to monitor tempaure with optional software, Lo-Flo pump & PV-65 vacuum wand.

551713

Description	Mfrs. List No.	Order Code	Price Each
ST 325 System	8007-0432	177-5264	

ST 400 Preheater



The ST 400 is an analogue temperature controlled radiant 400W preheater. The heating area is 140 x 140mm. The ST 400 is ideal for heavy PCB's as the medium wave IR delivers the most penetrating and even heating available.

Specifications:

Operates on	197-253V AC, 50Hz
425 Watts max. at	230Vac, 50Hz
Temp. Range	37°C to 205°C
Temp. Stability	±3°C at idle temp

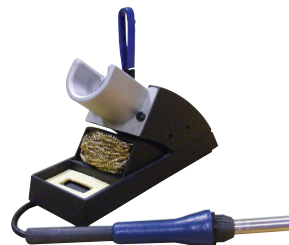
When using convective hand tools, such as the ST 300 and ST 325, it is often helpful to place the handpiece into a fixture that has the ability to control the Z-Axis movement when trying to align or place a component. The ST 500 is an adjustable Z-Axis platform that accepts the handpiece from either the ST 300 or ST 325. The heat guard on the handpiece is replaced with a "swivel ring" which is placed on the ST 500. The swivel ring allows the handpiece to be adjusted for planarity to the PCB being worked on. The ST 500 features a sturdy, extruded base that will accommodate either the ST 400 or ST 450 preheater and can also be used with either of the PCB holders (ST 525 or ST 550).

551722

Description	Mfrs. List No.	Order Code	Price Each
ST 400	8007-0436	127-9333	
Accessories			
Z-Axis Platform	6993-0258-P1	NEW 177-5265	
12" PCB Holder	6993-0253-P1	NEW 177-5266	
18" PCB Holder	6993-0254-P1	NEW 177-5267	

Pace Handpieces

PS-90 Handpiece



- Compatible with all Pace systems
- SensaTemp technology: a high performance control system
- PermaGround tips - to ensure permanent tip to ground
- SMD removal and installation
- Quick tip change
- Quick heater change
- Static safe
- Tips not included

234778

Description	Mfrs. List No.	Order Code	Price Each
PS-90 with Tip & Tool Stand (Intelliheat)	6993-0267-P1	125-7076	
PS-90 Handpiece (Intelliheat)	6010-0150-P1	NEW 177-5281	
PS-90 with Tip & Tool Stand (Sensatemp)	6993-0199-P1	392-4830	
PS-90 Handpiece (Sensatemp)	6010-0131-P1	NEW 177-5282	
Accessories			
PS-90 Heater Assembly	6010-0095-P1	125-7075	
PS-90 Tip & Tool Stand	6019-0081-P1	166-0850	
Replacement Brass Wool	1129-0018-P1	166-0854	
Replacement Sponge (Pk3)	4021-0013-P3	166-0855	

TD-100 Thermo-Drive® Handpiece



The TD-100 handpiece is for use with selected models of Pace Soldering Stations.

- Intelliheat™ thermal control system
- Uniquely designed to eliminate operator fatigue
- Soft comfort grips
- Wide range of tip styles and surface mount removal tips available
- Quick release tips
- Tip & Tool Stand

- Heater & sensor are close to the tip, away from the handle keeping it cool and comfortable
- Optimised tip-to-grip length has been designed for perfect balance between reach, access and visibility of work

Note: Tip not supplied

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Price Each

Description	Mfrs. List No.	Order Code	Price Each
TD-100 with Tip & Tool Stand (Intelliheat)	6993-0263-P1	127-1277	
TD-100 Handpiece (Intelliheat)	6010-0147-P1	NEW 177-5286	
Accessories			
IRON HOLDER, TD-100, BRASS WOOL	6019-0079-P1	166-0853	
Replacement Brass Wool	1129-0018-P1	166-0854	
Replacement Sponge (Pk3)	4021-0013-P3	166-0855	

SX-90 Desoldering Handpiece



- Intelliheat™ thermal control system
- Wide selection of tips available
- Suitable for through hole and SMT
- Replaceable heater cartridge
- Precision tips available
- Disposable flux/solder traps
- Compatible with ST 65, ST 75, ST 115, MBT 301 and MBT 350
- Tip & Tool Stand

447640

Price Each / Pack

Description	Mfrs. List No.	Order Code	Price Each / Pack
SX-90 with Tip & Tool Stand (Intelliheat)	6993-0266-P1	127-9331	
SX-90 Handpiece (Intelliheat)	6010-0149-P1	NEW 177-5283	
SX-90 with Tip & Tool Stand (Sensatemp)	6993-0213-P1	351-9685	
SX-90 Handpiece (Sensatemp)	6010-0106-P1	NEW 177-5284	
Accessories			
SX-90 Tip and Tool Stand	6019-0082-P1	166-0851	
Tip & Tool Stand	6019-0060-P1	127-9368	
SX-90/SX-80 Heater (Black Connector)	6010-0107-P1	351-9697	
SX-90 Heater (Blue Connector)	6010-0163-P1	161-1053	
Replacement Brass Wool	1129-0018-P1	166-0854	
Replacement Sponge (Pk3)	4021-0013-P3	166-0855	
SX-90/80/70 VisiFilter	1309-0028-P1	NEW 177-5277	
SX-90/80/70 VisiFilter Elements (Pk10)	1309-0027-P10	312-0454	
SX-90/80 Flux/Sodr Traps (Pk10)	1309-0054-P10	351-9703	
SX-90/80 Glass Flux/Sodr Trap	1265-0011-P1	NEW 177-5279	
Z Baffle for Glass Flux/Sodr Trap (Pk2)	4010-0115-P2	NEW 177-5280	
SX-90/80/70 Filters for Glass Flux/Sodr Trap (Pk10)	1309-0018-P10	312-0466	
SX-90/80/70 Tip Cleaning Kit	6993-0200	351-9715	
Wire Brush 3.18mm (1/8") (Pk5)	1127-0006-P5	NEW 177-5278	
SX-90/80 Plunger Lock	1500-0063-P1	NEW 171-6922	
SX-90/80 Front Seal	1213-0087-P1	NEW 171-4798	
Set Screws for all Heaters (Pk10)	1348-0547-P10	NEW 171-6923	

MT-100 MiniTweez™ Intelliheat Handpiece



The MT-100 MiniTweez is for use with selected models of Pace Soldering Stations.

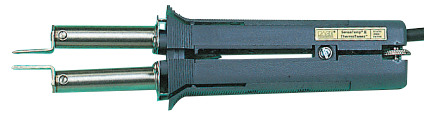
- Intelliheat™ thermal control system
- Soft comfort grip and ergonomic design mimics the motion of the human hand thus reducing operator fatigue
- Remove a wide variety of SMD's quickly and easily
- Wide range of component removal tips available
- Quick release tips
- Tips not included

447280

Price Each

Description	Mfrs. List No.	Order Code	Price Each
MT-100 with Tip & Tool Stand (Intelliheat)	6993-0264-P1	127-1278	
MT-100 Handpiece (Intelliheat)	6010-0148-P1	NEW 177-5287	
Accessories			
MT-100 Tip & Tool Stand	6019-0080-P1	166-0852	
Replacement Brass Wool	1129-0018-P1	166-0854	
Replacement Sponge (Pk3)	4021-0013-P3	166-0855	

TT-65 Thermotweez® Handpiece



- SMT removal tool
- Quick change, slim-line tips
- Stroke adjustment to reduce fatigue
- Rapid reflow of PLCC's and other 2 or 4 sided SMT components
- Tips not included

472269/447722

Price Each

Description	Mfrs. List No.	Order Code	Price Each
TT-65 with Tip & Tool Stand (Intelliheat)	6993-0268-P1	127-9370	
TT-65 Handpiece (Intelliheat)	6010-0151-P1	NEW 177-5291	
TT-65 with Tip & Tool Stand (Sensatemp)	6993-0207-P1	NEW 177-5269	
TT-65 Handpiece (Sensatemp)	7025-0001-P1	NEW 177-5290	
Accessories			
TT-65 Tip & Tool Stand	6019-0083-P1	NEW 177-5272	
TT-65 Heater (with sensor)	6010-0082-P1	NEW 177-5274	
TT-65 Heater (without sensor)	6010-0083-P1	NEW 177-5275	
Replacement Brass Wool	1129-0018-P1	166-0854	
Replacement Sponge (Pk3)	4021-0013-P3	166-0855	

TJ-70 Thermojet® Handpiece



The TJ-70 Mini ThermoJet Handpiece provides safe, continuous flow of precision focused hot air for component installation and SMT land preparation.

551726

Price Each

Description	Mfrs. List No.	Order Code	Price Each
TJ-70 with Tip & Tool Stand (Intelliheat)	6993-0292-P1	NEW 177-5268	
TJ-70 Handpiece (Intelliheat)	7023-0003-P1	NEW 177-5292	
TJ-70 with Tip & Tool Stand (Sensatemp)	6993-0206-P1	NEW 177-5271	
TJ-70 Handpiece (Sensatemp)	7023-0002-P1	NEW 177-5293	
Accessories			
SX-90 Tip and Tool Stand	6019-0082-P1	166-0851	
Replacement Brass Wool	1129-0018-P1	166-0854	
Replacement Sponge (Pk3)	4021-0013-P3	166-0855	

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Pace Handpieces - continued

TJ-85 Thermojet® Handpiece with Stand



- Slim line hot air pencil
- Airflow actuated with a foot pedal
- Multiple quick change nozzles available
- Heat delivery ideal for the installation and removal of chip components, SOT's, and SOIC's
- Tips not included

447773

Price Each

Description	Mftrs. List No.	Order Code
TJ-85 with Tip & Tool Stand	6993-0270-P1	127-9371

TP-65 ThermoPik Handpiece



The TP-65 ThermoPik handpiece provides safe, one-handed reflow and removal of a wide variety of QFPs in just seconds. Its high efficiency design targets controlled heat right at the joints, away from sensitive adjacent components and substrate areas. Tips supplied separately.

551736

Price Each

Description	Mftrs. List No.	Order Code
TP-65 with Tip & Tool Stand (Sensatemp)	6993-0205-P1	NEW 177-5270
TP-65 Handpiece (Sensatemp)	7024-0001-P1	NEW 177-5289

Accessories

SX-90 Tip and Tool Stand	6019-0082-P1	166-0851
TP-65 Heater Assembly	6010-0081-P1	NEW 177-5276
Replacement Brass Wool	1129-0018-P1	166-0854
Replacement Sponge (Pk3)	4021-0013-P3	166-0855

TP-100 Thermopik® Handpiece



- SMT component removal tool
- Designed to reflow and remove QFP's in seconds
- Soft comfort grips
- Large selection of tips available
- Tips not included

447774

Price Each / Pack

Description	Mftrs. List No.	Order Code
TP-100 with Pedal, Tip & Tool Stand (Intelliheat)	6993-0280-P1	127-9372
TP-100 Handpiece (Intelliheat)	6010-0158-P1	NEW 177-5288

Accessories

Replacement Brass Wool	1129-0018-P1	166-0854
Replacement Sponge (Pk3)	4021-0013-P3	166-0855

Pace Tips & Accessories



PS-90 Soldering Iron Tips

Single Point Tips with 3/16" Shank Diameter

TIPS (w/PART NUMBER)	TIP DESCRIPTION	ORDER CODE
1121-0357-P5	1/64" Conical	312-0752
1121-0336-P5	1/32" Conical	312-0764
1121-0359-P5	1/32" Chisel	312-0776
1121-0335-P5	1/16" Chisel	312-0788
1121-0358-P5	3/16" Chisel	312-0790
1121-0406-P5	Single Sided Chisel	312-0806
1121-0564-P5	Mini Wave Fine Patch	312-0740
1121-0490-P5	Mini Wave Standard	312-0727

SURFACE MOUNT REMOVAL TIP	DESCRIPTION (suggested application)	TIP SIZE A X B	MFTRS. LIST NO.	ORDER CODE
		0.14" x 0.08" (2.56mm x 2.03mm)	1121-0303-P1	312-0855
	SOIC-8 (JEDEC)	0.019" x 0.200" (5.05mm x 5.08mm)	1121-0390-P1	312-0818
APPLICATION				

212620

Pack Quantity=5

Price Per Pack

Order Code	Price
312-0752	
312-0764	
312-0776	
312-0788	
312-0790	
312-0806	
312-0740	
312-0727	

Pack Quantity=1

Price Each

Order Code	Price
312-0855	
312-0818	

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PS-90 Soldering Iron Tips



- A range of tips for use with the Pace PS-90
- The 'Thermo Drive' versions provide maximum heat delivery
- Supplied in packs of 5

422850

Price Per Pack

Tip Size	Description	Mftrs. List No.	Order Code
Chisel Tip			
0.8 mm	Bent Chisel	1121-0361-P5	110-4943
1.5 mm	Single Side Chisel	1121-0563-P5	110-4948
1.6mm	Chisel	1121-0414-P5	110-4936
1.6mm	Thermo Drive Chisel	1121-0510-P5	110-4942
1.6mm	Extended Chisel	1121-0533-P5	110-4940
2.4mm	Extended Chisel	1121-0529-P5	110-4945
3.2mm	Chisel	1121-0337-P5	110-4939
3.2mm	Thermo Drive Chisel	1121-0518-P5	110-4944
Conical Tip			
0.4 mm	Bent Conical	1121-0830-P5	110-4938
0.4 mm	Extended Conical	1121-0528-P5	110-4946
0.8 mm	Extended Conical	1121-0527-P5	110-4941
Other			
	Mini Wave Angled	1121-0610-P5	110-4947

MT-100 Soldering Tips



- A range of tips for use with the Pace MT-100 MiniTweez

TIP IMAGE	COMPONENT TYPE	TIP SIZE (AxB)	ORDER CODE	MFRS. LIST NO.
	Chip	0.2mm		1124-1001-P1
			469-9348	
	Chip, SOT's	0.7 x 0.5mm	469-9350	1124-1002-P1
		0.7 x 1.0mm		1124-1003-P1
			469-9361	
	SOIC's, SOT, TSOP's Narrow Body Connectors	0.7 x 6.0mm	469-9385	1124-1005-P1
		0.7 x 8.0mm	469-9397	1124-1006-P1
		0.7 x 10.0mm		1124-1007-P1
			469-9403	

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Price Each

Order Code

All Order Codes

Pace tip cartridges for use with TD-100 Handpiece



- Employs a unique key lock feature to ensure proper tip orientation.
- Lock feature allows all forces to be transferred to the handle protecting the electrical connection
- Instant tip change

Tips	Description	Tip - Length	Size - Dia.	Mftrs. List No.
	1/32" Conical Sharp Extended	13.4mm	0.80mm	1124-0001-P1
	1/64" Conical Sharp Bent 30°	7.8mm	0.40mm	1124-0003
	1/64" Conical Sharp Extended	13.5mm	0.40mm	1124-0004-P1
	1/32" 30° Chisel	9.1mm	0.80mm	1124-0012
	1/32" 30° Chisel	9.1mm	0.80mm	1124-0012-P1
	3/32" 30° Chisel	9.9mm	2.40mm	1124-0013-P1
	1/64" Conical, Sharp, Bent 30°	15.1mm	0.40mm	1124-0015-P1

Tips	Description	Tip - Length	Size - Dia.	Mftrs. List No.
	1/16" 30° Chisel	9.9mm	1.60mm	1124-0019-P1
	3/128" Conical Sharp	15.2mm	0.58mm	1124-0027-P1
	Angled MiniWave	N/A	3.05mm	1124-0033-P1
	Single Sided Chisel	N/A	3.05mm	1124-0034-P1
	Angled MiniWave	N/A	2.11mm	1124-0035-P1
	1/128" Conical	N/A	0.20mm	1124-0036-P1

513021

Price Each

Mftrs. List No.	Order Code
1124-0001-P1	413-2130
1124-0003	161-1065
1124-0004-P1	413-2142
1124-0012	161-1064
1124-0012-P1	413-2154
1124-0013-P1	413-2166
1124-0015-P1	413-2178
1124-0019-P1	413-2180
1124-0027-P1	413-2191
1124-0033-P1	413-2208
1124-0034-P1	413-2210
1124-0035-P1	413-2221
1124-0036-P1	413-2233

SX80 De-Soldering Endura Tips



- Tips last up to twice as long as conventional desoldering tips
- Requires less maintenance and cleaning than existing tips, saving time
- Allows for continuous workflow
- Supplied in packs of 5

Tip	Description	Size	Mftrs. List No.
Recommended for Thru-Hole Desoldering			
	Thermo-Drive	0.030" (0.76mm) I.D. x 0.080" (2.03mm) O.D.	1121-0625-P5
	Thermo-Drive	0.040" (1.02mm) I.D. x 0.090" (2.29mm) O.D.	1121-0624-P5
	Thermo-Drive	0.060" (1.52mm) I.D. x 0.120" (3.05mm) O.D.	1121-0626-P5
	Thermo-Drive	0.090" (2.29mm) I.D. x 0.200" (5.1mm) O.D.	1121-0627-P5
Recommended for Thru-Hole Desoldering in Tight Areas			
	Precision	0.020" (0.5mm) I.D. x 0.070" (1.79mm) O.D.	1121-0680-P5
	Precision	0.030" (0.76mm) I.D. x 0.080" (2.03mm) O.D.	1121-0678-P5
	Precision	0.040" (1.02mm) I.D. x 0.090" (2.29mm) O.D.	1121-0679-P5
	Precision	0.060" (1.52mm) I.D. x 0.110" (2.79mm) O.D.	1121-0690-P5
Recommended for Surface Mount Land and Via Desoldering			
	Flo-D-Sodr	0.060" (1.52mm) I.D. x 0.188" (4.78mm) O.D.	1121-0631-P5

212626

Price Per Pack

Mftrs. List No.	Order Code
1121-0625-P5	322-8540
1121-0624-P5	322-8551
1121-0626-P5	322-8563
1121-0627-P5	351-9661
1121-0680-P5	322-8575
1121-0678-P5	322-8587
1121-0679-P5	322-8599
1121-0690-P5	322-8605
1121-0631-P5	322-8617

FREE technical support
Our trained engineers are here to help!

See inside front cover

See inside front cover

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Pace Tips & Accessories - continued

SX-90 De-Soldering Tips



- Greater Thermal Transfer allowing for lower temperature operations to ensure board/component safety
- SX-90 Tips can only be used with SX-90 heaters (Order Code: 127-9331)
- Supplied in packs of 5
- SX-90 Tips are long lasting, high performance tips
- Quick changeover of hot tips maximises productivity
- Virtually non-clogging, allows for continuous workflow

Kit Contents: 1 of 1121-0930, 1121-0931, 1121-0932, 1121-0933, 1121-0941, 1121-0942, 1121-0943 and 1121-0945.

Tip	Description	Size	Mftrs. List No.
Recommended for Thru-Hole Desoldering			
	Thermo-Drive	0.030" (0.76mm) I.D. x 0.080" (2.03mm) O.D.	1121-0930-P5
	Thermo-Drive	0.040" (1.52mm) I.D. x 0.090" (2.69mm) O.D.	1121-0940-P5
	Thermo-Drive	0.060" (1.52mm) I.D. x 0.120" (3.05mm) O.D.	1121-0932-P5
	Thermo-Drive	0.090" (2.29mm) I.D. x 0.200" (5.1mm) O.D.	1121-0933-P5
	ThermoMax	0.040" (1.02mm) I.D. x 0.085" (2.2mm) O.D.	1121-0939-P5
	ThermoMax	0.060" (1.52mm) I.D. x 0.106" (2.69mm) O.D.	1121-0940-P5
Recommended for Thru-Hole Desoldering in Tight Areas			
	Precision	0.020" (0.50mm) I.D. x 0.070" (1.79mm) O.D.	1121-0680-P5
	Precision	0.030" (0.76mm) I.D. x 0.080" (2.03mm) O.D.	1121-0678-P5
	Precision	0.040" (1.02mm) I.D. x 0.090" (2.29mm) O.D.	1121-0679-P5
	Precision	0.060" (1.52mm) I.D. x 0.110" (2.79mm) O.D.	1121-0690-P5
Recommended for Surface Mount Land and Via Desoldering			
	Flo-D-Sodr	0.060" (1.52mm) I.D. x 0.188" (4.78mm) O.D.	1121-0945-P5

512447

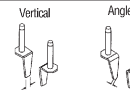
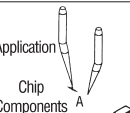
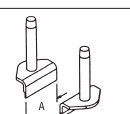
Price Per Pack

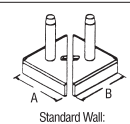
Mftrs. List No.	Order Code
1121-0930-P5	161-1054
1121-0931-P5	161-1055
1121-0932-P5	161-1056
1121-0933-P5	161-1058
1121-0941-P5	161-1059
1121-0942-P5	161-1060
1121-0943-P5	161-1061
1121-0944-P5	161-1062
1121-0945-P5	161-1063
1121-0939-P5	NEW 177-5299
1121-0940-P5	NEW 177-5300

Desoldering Kit	Order Code
6993-0288	NEW 177-5298

TT-65 Surface Mount Removal Tips



SURFACE MOUNT CHIP COMPONENT REMOVAL TIPS	TIP DESCRIPTION	TIP SIZE	MFTRS. LIST NO.	ORDER CODE
 <p>Standard Wall: Thickness = 0.050" (1.3mm)</p> <p>Application: Chip Component</p>	Chip Component (Vertical)	A = 0.08" (A = 2mm)	1121-0313-P1	312-0510
		A = 0.16" (A = 4.1mm)	1121-0399-P1	177-5306
		A = 0.25" (A = 6.4mm)	1121-0401-P1	177-5305
 <p>Application: Chip Components</p>	1/64" Angled Fine Point Conical Chip Component	A = 0.017" (A = 0.43mm)	1121-0517-P1	312-0521
 <p>Application: SOIC/SOJ SIMMS Modules</p>	SOIC, SOJ/SIMMS Component	A = 0.7" (A = 17.8mm)	1121-0416-P1	312-0533

PLCC REMOVAL TIPS	DESCRIPTION (suggested application)	TIP SIZE A x B	MFTRS. LIST NO.	ORDER CODE
 <p>Standard Wall: Thickness = 0.050" (1.3mm)</p> <p>Application: PLCC</p> <p>The ThermoTuses can also remove leadless components (LCCs) if sized correctly.</p>	PLCC-44, PQFP-84	0.57 x 0.57" (14.5mm x 14.5mm)	1121-0318-P1	312-0545
	PLCC-52, PQFP-100	0.67 x 0.67" (17mm x 17mm)	1121-0319-P1	312-0557
	PLCC-68, PQFP-100	0.86 x 0.86" (21.9mm x 21.9mm)	1121-0320-P1	312-0569

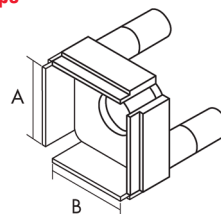
212617

Pack Quantity = 1 Pair

Price Per Pair

Order Code
312-0510
NEW 177-5306
NEW 177-5305
312-0521
312-0533
312-0545
312-0557
312-0569

TP-100 Handpiece Tips



DESCRIPTION	Size - A	Size - B	Component Height	Component Foot Print	Mftrs. List No.	Order Code
TIP, REMOVAL, LQFP/TQFP, 80	12mm	12mm	1.4mm	2.0mm	1124-2001-P1	132-2585
TIP, REMOVAL, TQFP, 64/80/100/120/128	14mm	14mm	1.4mm	2.0mm	1124-2002-P1	132-2586
TIP, REMOVAL, TQFP, 128/144/160/176	20mm	20mm	1.4mm	2.0mm	1124-2003-P1	132-2587
TIP, REMOVAL, TQFP, 208/256	28mm	28mm	1.4mm	2.0mm	1124-2005-P1	132-2591
TIP, REMOVAL, QFP, 64/80/100/128	14mm	20mm	2.7mm	3.2mm	1124-2008-P1	132-2592

454570

Mftrs. List No.	Order Code	Price Each
1124-2001-P1	132-2585	
1124-2002-P1	132-2586	
1124-2003-P1	132-2587	
1124-2005-P1	132-2591	
1124-2008-P1	132-2592	

Chisel Tip Kit



Chisel Tip Kit Contents:
 1.6mm Chisel - 1121-0414
 3.2mm Chisel - 1121-0337
 2.4mm Chisel - 1121-0360
 0.8mm Bent Chisel - 1121-0361
 1.6mm Chisel, Thermo-Drive - 1121-0510
 4.8mm Chisel - 1121-0358
 Extended Reach Single Sided Chisel - 1121-0532
 3.2mm Thermo-Drive Chisel - 1121-0518

229930

Price Each

Order Code
Chisel Kit 370-1578

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Endura Tip Kit
SX-80/SX-70



Endura Tip Kit Contents:
Thermo-Drive (0.76mm-id) - 1121-0625
Thermo-Drive (1.02mm-id) - 1121-0624
Thermo-Drive (1.52mm-id) - 1121-0626
Thermo-Drive (2.29mm-id) - 1121-0627
Precision (0.5mm-id) - 1121-0680
Precision (0.76mm-id) - 1121-0678
Precision (1.02mm-id) - 1121-0679
Flo-D-Sodr (1.52mm-id) - 1121-0631

229931

Price Each

Order Code

Endura Kit	370-1580	
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Tip Redi-Rak



- Heat resistant tip storage facility
- Fits into tip and tool stand
- Safe tip storage
- Aids tip location
- Improves efficiency

212605

Price Each

Order Code

Tip Redi-Rak	312-0430	
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Tip Temperature Monitor



The Tip Temperature Monitor is a fast and accurate way to measure the surface temperatures of a soldering tip where the tip actually contacts the work. The Tip Temperature Monitor is quickly and easily calibrated using an internal precision resistor.

Included: 9V battery, K-type probe and 10 replacement temperature sensors.

447777

- Easy to read LCD display
- Grounding jack
- Portable
- Celcius or Fahrenheit display

- Battery operated
- Replaceable sensor
- External K-type probe for monitoring external sources e.g solder pots

Price Each

Description	Order Code	Price Each
Tip Temperature Monitor	127-9374	
Accessories		
Replacement Sensor	127-9344	

Weller Soldering Stations

WHS 40 D Temperature Controlled Soldering Station

For hobbyist and semi-professional users



- Temperature controlled soldering station
- 18 V low voltage soldering iron
- Temperature variable 150°C to 450°C
- Digital display of temperature
- Ergonomically designed handle
- Meets European safety standard and is CE approved
- Supplied with 2mm iron plated chisel tip, stand and sponge

An entry level hand soldering station for use with through hole and surface mount components, with digital display. The station is particularly aimed at non-professional users

485906

Price Each

Mfrs. List No.	Order Code	Price Each
WHS 40D UK	148-9551	
WHS 40D EU	152-3763	

Over 500 000 products available online



WHS40 Soldering Station
40W



An entry level hand soldering station for use with through hole and surface mount components, with analogue temperature scale. The station is particularly aimed at non-professional users

- Temperature controlled soldering station
- 18 V low voltage soldering iron
- temperature variable 200 to 450C
- Analogue temperature scale
- Ergonomically designed handle
- Meets European safety standard and is CE approved
- Supplied with 2mm nickel plated chisel tip, stand and sponge

Main supply: 230V, 50Hz

Note: Nickel plated tips are supplied as card of three, iron plate tips are supplied each

232384

Mfrs. List No.	Order Code	Price Each
Station	WHS40	957-896
Tips		
0.4mm Conical	Iron	0054321099 957-926
2.0mm S/Driver	Iron	0054321199 957-938
3.5mm S/Driver (PK3)	Nickel	S3 957-940

Magnastat Soldering Station WTCP51



- Controlled through ferro-magnetic sensing
- Soldering temperature set by changing tip
- Station supplied with Pencil, LT M Tip and support
- P50/P51 power unit will only drive TCPS soldering irons
- Supplied with UK mains lead support

Station comprises: P51 Power Unit, TCP S soldering iron and KH 20 safety rest.

212632

Description	Order Code	Price Each
Station	WTCP 51 UK	171-2854
Station (Euro)	WTCP 51 EU	171-2855
Power Unit	P51 UK	321-2210
Power Unit (Euro)	P51 EU	400-6069
Soldering Pencil	TCP S	171-2856
Support	KH20	454-734
Fume Ex Iron for P50/51 Power Unit	FE 50M	171-2859

Magnastat Controlled, 50 Watts, 24V ac
UK Version for use with PS2/PS3 Power Supplies



Barrel length (excl tip)=50mm,
Barrel dia=9mm

- Lightweight thermoplastic handle
- Capacitor is incorporated to prolong switch life and eliminate interference
- Compatible with any PS series power supply
- LT DD tip included
- Fitted with a 3 core, 1.5m silicone lead as standard or 3m version available
- Supplied with a Bulgin 3 pin connector

22215

Mfrs. Ref.	Mfrs. List No.	Order Code	Price Each
TCP UK	0151004199	171-2857	
TCP UK (3M)	0151004299	171-2862	
Tip Extraction Unit			
FE 50M UK	0053215599	171-2861	

Weller Soldering Stations - continued

WS81 Soldering Station



An 80 watt electronically controlled soldering station. The station has an analogue temperature scale and is suitable for through hole and surface mount printed circuit board assembly and rework operations

- Rating 80W
- Supply 230V input, 24V output
- Temperature range: 150°C to 450°C
- Temperature accurate to ±2% of Max. temp
- Temperature set by rotary potentiometer
- LED temperature condition indicator
- ESD safe
- Can drive all Weller electronically controlled tools up-to 80W rating compatible with the station
- Uses LT series tips
- Lead free manufacture compatible

Station comprises:

PU81 power unit, Mfr's List No. 0053252399
 WSP80 soldering iron, Mfr's List No. 0052918099
 WPH80 bench support, Mfr's List No. 0051514099

249284

Description	Order Code	Price Each
WS 81 (UK Plug)	972-009	
WS 81 (EU Plug)	380-4379	

WS 81T Soldering Station



Input Voltage 230V / 50/60Hz
 Power Input 95W
 Protection Class I and III
 Temperature Range 150°C to 450°C (300°F-850°F)
 Temperature Accuracy ± 2°C (± 4°F)
 Dimensions (LxWxH) 166 x 115 x 101mm

523988

The 95 W soldering station use's an 'intelligent' power unit with the Stop & Go safety rest, this results in the soldering iron being automatically switched off, helping to reduce operating costs. The Fast-Heat-Recovery-Function means the time needed for the soldering iron to reach working temperature is minimized. While the Interlock function prevents unauthorised changes to settings and ensures a controlled work process.

Station comprises: WS 81T soldering station, WSP 80 soldering pencil and WDH 10T safety rest.

Mfrs. List No.	Order Code	Price Each
WS 81T EU	177-7569	
WS 81T UK	177-7570	

WSD81 Soldering Station



An 80 watt electronically controlled soldering station. The station has a digital temperature display and is suitable for through hole and surface mount printed circuit board assembly and rework operations

- Rating 80W
- Supply 230V input, 24V output
- Temperature range: 50°C to 450°C
- Temperature accurate to ±2% of Max. temp
- Temperature set by up-down push buttons
- Digital temperature display shows set, read and actual temperatures
- ESD safe
- Can drive all Weller electronically controlled tools up-to 80W rating compatible with the station
- Additional functions can be programmed by the Weller WCB units
- Automatic tool recognition and self-calibrating
- Uses LT series tips
- Lead free manufacture capability

Station comprises:

PUD81 power unit, Mfr's List No. 0053262399
 WSP80 soldering iron, Mfr's List No. 0052916199
 WPH80 bench support, Mfr's List No. 0051514099

Mfrs. List No.	Order Code	Price Each
WSD81	977-974	

249289

WSD151 Soldering Station



A 150 watt electronically controlled soldering station. The station has a digital temperature display and is specifically designed for those applications requiring high power / high temperature solutions

- Temperature set by up-down push buttons
- Digital temperature display shows set, read and actual temperature
- ESD safe
- Potential balance socket
- Can drive all Weller electronically controlled tools compatible with the station
- Automatic tool recognition
- Additional functions can be programmed by WCB unit
- On/off switch
- Lead free manufacture capability

Contents of WSD151: PUD151 power unit, WSP150 soldering iron and KH27 bench support

Note: The WSP150 soldering iron uses LHT series tips

Input Voltage 230V / 50/60Hz
 Power Input 150W
 Protection Class I (Control Unit)
 Temperature Range 50°C to 550°C (150°F-1022°F) (WSP150 only, 450°C max for other tools)
 Temperature Accuracy ± 2°C of max temp
 Dimensions (LxWxH) 166 x 115 x 101mm

417356

Description	Mfrs. List No.	Order Code	Price Each
WSD151 Soldering Station (UK)	005 32 763 99	101-8756	
Individual Items			
WSP150 Soldering Iron	005 29 170 99	101-8758	
KH27 Bench Support	005 15 027 99	855-250	

WD1000 Soldering Station

Uses WD1 Control Unit



The WD1000 Soldering Station provides increased functionality and greater controlability to meet the demands of current day assembly, rework, repair and laboratory requirements. The WD1 control unit supplied with the station is an ergonomic design with a LCD display; it incorporates a microprocessor controlled, closed loop temperature control system to ensure temperature accuracy and dynamic temperature stability. All "Temtronic" tools up to a maximum of 80W can be driven from the power unit.

- Large scale easy view LCD display
- ESD Safe
- Lead free manufacture capability
- Three fixed temperatures can be assigned with the temperature buttons - You can set the temperatures value as desired
- Temperature lock, set back and calibration, programmable from the power unit
- Interlock functions and remote ID for ISO applications
- You can extend the functional diversity of this unit with a USB interface for ISO application for calibration, configuration and precise measured values
- The soldering tools themselves are recognised automatically by the WD1/WD1000 and the corresponding control parameter assigned
- Antistatic design of the safety rest has four different settings
- The WP80 uses LT series tips

Contents of WD1000: WD1 control unit, mains cable, operating instructions, safety information, jack plug, soldering iron WP80, safety rest WDH10

Input Voltage	230V / 50/60Hz
Power Input	95W
Protection Class	I (Control Unit), III (Soldering Iron)
Dimensions (LxWxH)	134 x 108 x 147mm
Temperature Control	50°C to 450°C (150°F-850°F)
Temperature Accuracy	± 9°C (±17°F)
Temperature Stability	± 5°C (±9°F)
Leak Resistance of Soldering Tip *	≤ 2 Ω (Tip to ground)
Leak Voltage of Soldering Tip *	≤ 2 mV (Tip to ground)

414835/436433

Description	Mfrs. List No.	Order Code	Price Each
WD1000 Station (UK)	005 34 023 99	101-8750	
WD1000 Station (Euro)	005 34 026 99	999-3991	
Individual Items			
WD1 Control Unit (UK)	005 34 003 99	125-6917	
WD1 Control Unit (Euro)	005 34 006 99	125-6931	
WP80 Soldering Iron	005 29 178 99	128-2089	
WDH 10 Soldering Iron Stand	WDH 10	999-4068	

WD 1000T Soldering Station



The WD 1000T is based on Weller's highly successful WD 1000 station. The WD 1000T gives users the same extensive functionality of the WD 1 control unit and the WP 80 iron's short tip to grip dimensions but with the added benefits of the new WDH 10T safety stand with Stop+Go functionality and integrated WDC 2 dry tip cleaner. Using the WDH 10T Stop+Go safety stand in conjunction with the WD 1 control unit results in

the automatic return of the soldering iron to its set back temperature when it is placed in the safety stand. When the iron is removed from the safety stand it will be automatically reset to its operating temperature. This process will extend the working life of the tip.

- Large scale easy view LCD display
- ESD Safe
- Lead free manufacture capability
- Three fixed temperatures can be assigned with the temperature buttons - You can set the temperatures value as desired
- Temperature lock, set back and calibration, programmable from the power unit
- Interlock functions and remote ID for ISO applications
- You can extend the functional diversity of this unit with a USB interface for ISO application for calibration, configuration and precise measured values
- The soldering tools themselves are recognised automatically by the WD1/WD1000 and the corresponding control parameter assigned
- Antistatic design of the safety rest has four different settings
- The WP80 uses LT series tips

Contents of WD 1000T: WD1 control unit, mains cable, operation cable, safety information, jack plug, WP80 soldering iron, safety rest WDH 10T

Technical Data	
Input Voltage	230V / 50/60Hz
Power Input	95W
Protection Class	I (Control Unit), III (Control Unit)
Dimensions (LxWxH)	134 x 108 x 147mm
Temperature Control	50°C to 450°C (150°F-850°F)
Temperature Accuracy	± 9°C (±17°F)
Temperature Stability	± 5°C (±9°F)
Leak Resistance of Soldering Tip *	<2 Ω (Tip to ground)
Leak Voltage of Soldering Tip *	< 2 mV (Tip to ground)

483417

Mfrs. List No.	Order Code	Price Each
WD 1000T (UK)	144-7699	
WD 1000T (EU)	144-7700	

WD 1000HPT Soldering Station



The WD 1000HPT station features the new 120 W High Power Tool, the new WP 120 soldering iron. This iron is ideal for soldering on challenging circuit boards with heat sinks and soldering joints that cause large dissipation in heat transfer. The WD 1000HPT station is specifically designed for your soldering operations which need a combination of high energy and maximum precision.

- Large scale easy view LCD display
- ESD Safe
- Lead free manufacture capability
- Three fixed temperatures can be assigned with the temperature buttons - You can set the temperatures value as desired
- Temperature lock, set back and calibration, programmable from the power unit
- Interlock functions and remote ID for ISO applications
- You can extend the functional diversity of this unit with a USB interface for ISO application for calibration, configuration and precise measured values
- The soldering tools themselves are recognised automatically by the WD1/WD1000 and the corresponding control parameter assigned
- The WP120 uses XT series tips

Contents of WD 1000HPT: WD 1M control unit, WP120 soldering iron, safety rest WDH 10T

Technical Data	
Input Voltage	230V / 120V / 50/60Hz
Power Input	160W
Protection Class	I (Power Unit), III (Soldering Unit)
Dimensions (LxWxH)	134 x 108 x 147mm
Temperature Control	50°C to 450°C (150°F-850°F)
Temperature Accuracy	± 9°C (±17°F)
Temperature Stability	± 5°C (±9°F)
Soldering tip leakage resistance	<2 Ω (Tip to ground)
Soldering tip leakage current	< 2 mV (Tip to ground)

Contents of WP 120 Kit: WP120 soldering iron and safety rest WDH 10T

508834

Description	Mfrs. List No.	Order Code	Price Each
WD 1000HPT (UK)	005 34 163 99	157-4579	
WD 1000HPT (EU)	005 34 166 99	157-4580	
Individual Items			
WD1 Control Unit (UK)	005 34 003 99	125-6917	
WP120 Soldering Iron	005 29 193 99	157-4581	
WP 120 Soldering Kit	005 29 194 99	167-6503	
WP 120 Replacement Barrel	005 87 637 09	167-6521	

WD1 and WD2 Control Units



Single Output



Twin Output

These microprocessor controlled soldering stations can be used with the standard range of Weller electronically controlled soldering and rework tools that are compatible with the units. The WD1000 station has a single output and is supplied with a WP80 soldering iron and WDH10 safety stand. It is capable of driving tools upto a max rating of 80 watts. The WD2000 station has dual outputs and is supplied with 2 WP80 soldering irons and WDH10 safety stands. It can drive 2 tools of upto 80 watts rating, independently of each other, or one tool rated at 150watts. They have a closed loop temperature control systems to provide dynamic temperature stability

- Large scale easy view LCD display
- ESD Safe
- Lead free manufacture capability
- Three fixed temperatures can be assigned with the temperature buttons - You can set the temperatures value as desired
- Temperature lock, set back and calibration, programmable from the power unit
- Interlock functions and remote ID for ISO applications
- You can extend the functional diversity of this unit with a USB interface for ISO application for calibration, configuration and precise measured values
- Automatic tool recognition
- The **WD2** has the ability to control two 80W soldering irons at the same time or one soldering iron of 150W

Contents: Control unit, mains cable, operating instructions, safety information, jack plug

Note: All tools currently compatible with the PUD81 are compatible with the WD1 and all tools currently compatible with the PUD161 are compatible with the WD2. The WD1 and WD2 are replacements for the PUD81 and PUD161.

Dimensions (LxWxH)	134 x 108 x 147mm
Input Voltage	230V / 50/60Hz
Power Input	95W
WD1	160W
WD2	160W
Protection Class	I (Control Unit), III (Soldering Iron)
Temperature Control	50°C to 450°C (150°F-850°F)
Temperature Accuracy	± 9°C (±17°F)
Temperature Stability	± 5°C (±9°F)
Leak Resistance of Soldering Tip *	≤ 2 Ω (Tip to ground)
Leak Voltage of Soldering Tip *	≤ 2 mV (Tip to ground)

* Tip to ground

Weller Soldering Stations - continued

WD1 and WD2 Control Units - continued

Handpiece to Control Unit Compatibility				
Handpieces	WD1	WD2	Mftrs List No.	Order Code
WP 80 Soldering Iron	✓	✓	0052918099	128-2089
WP 80 Soldering Iron Set (Includes WDH80 Holder)	✓	✓	0052918199	128-2090
WMP Solder Pencil	✓	✓	0052917199	112-0571
WMRT Thermal Tweezer	✓	✓	0051317299	112-0564
WSP 80 Soldering Iron	✓	✓	0052916199	125-6930
WSP 80 Soldering Iron Set (Includes WDH 10 Holder)	✓	✓	0052917899	999-4033
WMP Soldering Iron	✓	✓	WMP	125-6923
WMP Soldering Iron Set (Includes WDH 20 Holder)	✓	✓	0052917999	999-4025
MPR 80 Antistatic Soldering Peritronic Pencil	✓	✓	0052916399	125-6921
WTA 50 Tweezers	✓	✓	0051317199	125-6929
WHP 80 Preheating Plate 80W	✓	✓	0052702899	125-6928
WSB 80 Solder Bath	✓	✓	0052704099	466-4504
WSB 150 Solder Bath		✓	0052704299	466-4516
FE 75 Soldering Iron with Fume Extraction 80W	✓	✓	0052916699	125-6924
FE 80 Soldering Iron with Fume Extraction 80W	✓	✓	0052616299	322-5562

422614/436426

Description	Mftrs. List No.	Order Code	Price Each
WD1 Control Unit (UK)	005 34 003 99	125-6917	
WD2 Control Unit (UK)	005 34 043 99	125-6918	

Irons for use with PU51, PU81, PUD81, PUD161, WD1 and WD2



MLR21 - Micro 25W

- Suitable for all miniature soldering applications
- Anti-static
- LT H Tip included

MPR80 - Soldering Iron for use with all 80W power units

- 80 Watt rated
- Articulated element
- Lead free capable

WTA50 - Thermal Tweezers

- 25W per arm
- Dual temperature sensors
- Suited to SMD removal

FE80 - Soldering Iron with fume extraction for use with all power units

- 80 Watt rated
- Heavy duty
- Lead free capable

LR82 - Soldering Iron for use with all 80W power units

- 80 Watt rated
- Heavy duty
- Lead free capable

FE50 - Soldering Iron with fume extraction for use with all power units

- Features as LR21
- LT-M tip included

FE75 - Soldering Iron with fume extraction for use with all 80W power units

- 80Watt rated
- Integral smoke tube
- Features as WSP80

WT20 Thermal Stripper for use with all power units

WHP80 Hot Plate for use with all power units

WTA50 Thermal Tweezers for use with all power units

WSB80 Solder Bath for use with all power units

WSB150 Solder Bath for use with all power units

WSP80 - Soldering Iron for use with all 80W power units

- 80 Watt rated
- Rapid heat up, ambient to 350°C in 15 sec approx
- Wide tip range
- ESD safe
- Lead free capable

LR21 - Soldering Iron for use with all power units

- 50 Watt rated
- ESD safe
- General purpose soldering iron

WSP80 FE - Soldering Iron with fume extraction for use with all 80W power units

- Features as WSP80

WP80 - Soldering Iron for use with all 80W power units

- Short tip to grip
- Features as WSP80
- Lead free capable

WSP150 - Soldering Iron for use with PUD151 / WD2 power unit






- 150 Watt rated H/D soldering iron
- Temperature variable upto 550°C
- Lead free capable

WMP - Soldering Iron for use with all power units

- Precision soldering iron
- Lightweight 39g
- Short tip to grip
- Lead free capable

Station Tool	WS 51	WSD 51	WS 81	WSD 80, WD1	WSD161, WD2 Channel 1	WSD161, WD2 Channel 2
MLR 21	✓	✓	✓	✓	✓	✓
MPR 80			✓	✓	✓	✓
LR21	✓	✓	✓	✓	✓	✓
FE50						
WSP 80						
WSP 80 FE						
LR 82			✓	✓	✓	✓
WP 80			✓	✓	✓	✓
FE75			✓	✓	✓	✓
FE80			✓	✓	✓	✓
WST 50	✓	✓	✓	✓	✓	✓
WHP 80		✓		✓	✓	✓
WTA 50	✓	✓	✓	✓	✓	✓
WSP 150					✓	✓
WMP	✓	✓	✓	✓	✓	✓
WT 20	✓	✓	✓	✓	✓	✓
WHP 80	✓	✓	✓	✓	✓	✓
WTA 50	✓	✓	✓	✓	✓	✓
WSB 80	✓	✓	✓	✓	✓	✓
WSB 150					✓	✓

WTA series tips for use with WTA50 Tweezer

Model	x	y	Component
WT-1 	1,0	11	Chip 0405-1805, SOD80, MELF
WT-2 	3,0	11	Chip 1808-1812, SOD87, SOT23, SOT143, SOD89
WT-3 	6,0	11	SOT 192, SO4-SO8
WT-4 	12,5	10	SO14, SO16, SOJ14, SOJ16
WT-5 	18,5	12	SO20, SO20L, SOJ20

222219

Irons	Mftrs. List No.	Order Code	Price Each
Micro 25W	MLR 21	171-2863	
Ergonomic 80W	MPR80	125-6921	
High power 80W	WSP80	125-6930	
High power 80W	WP80	128-2089	
High power 50W	LR 21 ESD	171-2864	
High power 80W	LR82	128-2091	
Thermal Tweezers50W	WTA50	125-6929	

Irons	Mfrs. List No.	Order Code	Price Each
Soldering Iron with fume extraction 80W	FE75	125-6924 ●	
Soldering Iron with fume extraction 80W	FE80	322-5562	
Soldering Iron with fume extraction 50W	FE50	172-9975 ●	
High power 150W	WSP 150	101-8758	
Precision Soldering Iron65W	WMP	125-6923 ●	
Hot Plate 80W	WHP80	401-5010	
Thermal Tweezers 50W	WTA50	125-6929 ●	
Solder Bath	WSB 80	466-4504	
High power solder bath	WSB 150	466-4516	
Bench Holders			
Bench Holder	KH20	454-734	
Micro	KH-15	971-522	
Higher Power	WPH80	971-546	
For use with WMP	WDH 10	999-4068	
For use with WPH80	WDH 20	999-4076	
Accessories			
Fume extraction attachment	0052918699	135-5622	
Fume Extraction Kit	0052918599	148-9554 ●	
Tips - Thermal Tweezers			
WTA-1		977-860	
WTA-2		977-871	
WTA-4		977-895	
WTA-5		977-901	

Microprocessor controlled soldering station



The WD1000M is a multi-function device that is designed for special soldering tasks in the industrial manufacturing and repair service. The USB interface allows various ISO applications and control of the station via external PC. The WD 2M control unit has dual outputs.

Includes: WMRP soldering pencil with RT3 chisel tip and WMRH soldering pencil stand

WD1000M Features

- Large, easy view LCD display
- Lead free manufacturing capability
- 3 fixed temperatures (variable) can be assigned from temperature buttons
- High speed temperature regulation for use with WMRP and WMRT tools
- Temperature set back, lockout, offset functions and remote ID for ISO applications can be programmed from the unit
- USB interface allows for data logging, PC control and other ISO applications
- Software supplied
- Automatic tool recognition
- All Weller electronically controlled tools up-to 80W rating and compatible with the station can be driven from the power unit
- ESD safe
- Lead free manufacture capability

WD1000M includes: WD1M power unit, WMRP soldering iron, WDH50 safety stand and RT3 1.3mm chisel tip

WMRP Soldering Iron Features

- Light weight
- Integral tip, element and temp sensor
- Rapid heat up, 2-6sec dependant on set temperature
- Fast tip change, no tools required
- Iron heats up when removed from stand and switches off when replaced

Note: Tips and stand available separately

WMRT Micro Thermal Tweezer Set Features

- Light weight
- Rapid heat up
- Pre-set parallel tip cartridges
- Fast tip change, no tools required
- Tweezer heats up when removed from stand and switches off when replaced

WMRT Set includes: WMRT tweezer, RTW2 tip set and WMRTH stop & go stand

Dimensions (LxWxH)	134 x 108 x 147
Input Voltage	230V AC / 50/60Hz
Power Output	85W
Protection Class	I (Control Unit), III (Soldering Iron)
Temperature Control	50°C - 450°C (150°F-850°F)
Temperature Accuracy	± 9°C (±17°F)
Temperature Stability	± 5°C (±9°F)
Leak Resistance of Soldering Tip *	≤ 2 Ω (Tip to ground)
Leak Voltage of Soldering Tip *	≤ 2 mV (Tip to ground)

* Tip to ground

448387

	Order Code	Price Each
WD1000M	126-8105 ●	
WMRP Solder Pencil	112-0571 ●	
WMRT Thermal Tweezer Set	117-4843 ●	
WMRT Thermal Tweezer	112-0564 ●	
RTW2 Tip set	112-0568	
WMRTH Stop & go Stand	112-0565 ●	

WD 1M & WD 2M Multifunctional Soldering Stations with high speed control for micro-soldering tools



WD 1M



WD 2M

These microprocessor controlled control units are primarily for use with the WMRP micro soldering iron or the WMRTH micro tweezer but can also be used with the entire range of Weller electronically controlled soldering and rework tools that are compatible with the units. The WD1M unit has a single output and can drive all electronically controlled tools upto a max rating of 80 watts. The WD2M unit has dual outputs and can drive 2 tools of upto 160 watts rating, independently of each other, or one tool rated at 150watts. They have a closed loop temperature control system to provide dynamic temperature stability

- High speed control for WMRP micro-soldering irons and WMRT micro-desoldering tweezers
- High-contrast LCD display
- Three temperatures can be programmed independently of one another using fixed temperature keys
- Special function menu for customer-specific calibration function, temperature reduction, locking function, remote ID for ISO applications
- Potential equalization (Hard-earthed on delivery)
- USB interface
- The soldering tools have to be ordered separately
- Automatic tool identification additionally for **WD 2M**:
- Parallel operation of 2 soldering tools with max. 80W
- If a 150W tool is connected, the second channel is switched off

Technical data

Dimensions:	134 x 108 x 147mm
Mains voltage:	230V/ 50/60Hz
Power consumption:	160W
Protection class:	I (Controller), III (Soldering iron)
Temperature control:	50°C to 450°C
Temperature accuracy:	± 9°C (±17°F)
Temperature stability:	± 5°C (±9°F)
Soldering tip discharge resistance:	< 2 Ω (Tip to ground)
Soldering tip discharge voltage:	< 2 mV (Tip to ground)

List of accessories:

WMRP micro-soldering iron
WMRT micro-desoldering tweezers
WSP 80 soldering iron
MPR 80 soldering iron
LR 82 soldering iron
WSP 150 soldering iron (only WD 2M)
WMP soldering iron
WTA 50 desoldering tweezers
WHP 80 hot plate
WSB 80 solder bath
WSB 150 solder bath (only WD 2M)
FE 80 soldering iron

WD 1M supplied with: power supply unit 80W, mains cable, jack, operating instructions, safety guide

WD 2M supplied with: 2-channel power supply unit 160W, mains cable, jack, operating instructions, safety guide

WD 2000M Set: WD 2M Power Unit, WMRP Soldering Pencil, WMRT Micro Tweezers, Stop & Go stand

463326

	Mfrs. List No.	Weller Code	Order Code	Price Each
Power supply unit	WD 1M (UK)	0053406399	134-1265 ●	
Power supply unit	WD 1M (EU)	0053406699	112-0562	
2-channel power supply unit	WD 2M (UK)	0053410399	134-1266 ●	
2-channel power supply unit	WD 2M (EU)	0053410699	112-0563	
WD 2000M Set	WD 2000M (UK)	0053412399	157-8652 ●	
WD 2000M Set	WD 2000M (EU)	0053412699	150-6666 ●	

WMP Soldering Iron



- Short tip to ground distance (2.5cm) ensures precise precision control
- Ergonomic lightweight control
- Rapid heat up, 50°C to 350°C in 7 seconds
- Cool running handle for operator comfort
- Fast thermal recovery
- Hot tip change facility
- Integral element
- Uses NT series tips

241045

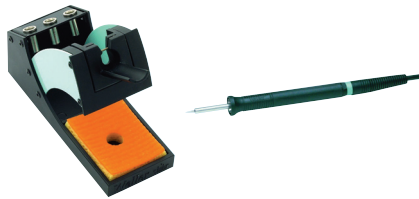
	Order Code	Price Each
WMP	125-6923 ●	

Over 500 000 products available online



Weller Soldering Stations - continued

WMP Soldering Iron Set



WMP soldering iron fitted with NT1 tip conical 0.25mm and WDH 20 safety stand. The WMP soldering iron is specifically designed for use with SMD components. It has a short tip to grip dimension for enhanced operator control, incorporates an integral heating element and has a hot change tip facility. The WDH20 safety stand complements the design of the WD series control units, it has a four position adjustable iron placement facility and three tip storage positions.

WMP Soldering Iron:

- Rated at 65W
- Short tip to grip distance ensures precise precision control
- Ergonomic lightweight control
- Rapid heat up, 50°C to 350°C in 7 seconds
- Cool running handle for operator comfort
- Fast thermal recovery
- Hot tip change facility
- Integral element
- Uses NT series tips

WDH 20 Soldering Iron Stand:

- Designed to complement the design of the WD1 and WD2 power units
- Antistatic
- Funnel insert for the soldering iron can be moved to an ergonomically favourable position without the use of tools
- Tip storage at the rear
- Pedestal plate contains an insert for a sponge (sponge supplied)

Contents:

WMP Soldering Iron	125-6923
WDH 20 Soldering Iron Stand	999-4076

422612/436651

Mfrs. List No.	Order Code	Price Each
WMP + WDH 20	999-4025	
Individual Items (Available Separately)		
WMP	125-6923	
WDH 20	999-4076	

WMRT Micro Desoldering Tweezers with Safety Rest

for use with WMRS, WD 1M, WD 2M



The new WMRT desoldering tweezers enables the precise soldering and desoldering of very small SMD components. Power units WMRS, WD 1M, WD 2M drive the tweezers. When placed in the safety rest the tweezers are automatically switched off for extended tip life.

448335

Description	Mfrs. List No.	Order Code	Price Each
Set: Micro tweezers & safety rest	WMRT+WMRTH	112-4843	
Micro Tweezers	WMRT	112-0564	
Safety Rest	WMRTH	112-0565	
Dimensions			
Tip set	0.2mm	RTW 1	112-0567
Tip set	0.7mm x 0.4mm	RTW 2	112-0568
Tip set	3.0mm x 0.8mm	RTW 3	112-0569
Tip set	6.0mm x 0.7mm	RTW 4	112-0570

MIL Spec Accessories

WMPR Soldering Pencil & WMRT Desoldering Tweezers



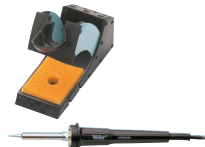
The MIL Spec WMPR micro soldering iron, WMRT micro thermal tweezers and soldering tips have been developed by for special soldering applications where the former MIL standard needs to be met. The MIL soldering tips are manufactured with an additional internal earth which guarantees tip to ground leakage voltage of < 2mV. All MIL tools can be used in conjunction with the WD 1M and WD 2M control units.

526836

Price Each

Description	Mfrs. List No.	Order Code	Price Each
Soldering Pencil	0052919299	167-7651	
Desoldering Tweezers	0051317599	167-7654	
Tips			Price Per Pair
0.2mm	RTW 1MS	167-6515	
3.0mm x 0.8mm	RTW 3MS	167-6516	
6.0mm x 0.7mm	RTW 4MS	167-6517	

LR21 Soldering Iron Set



- LR21 Temperature controlled soldering iron
- Uses WDH 30 Bench Support
- Rated at 50W
- Soldering tips: ET series

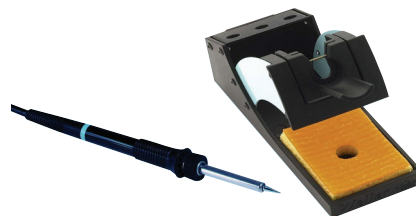
Contents:

LR21 Soldering Iron
WDH 30 Bench Support

490520

Description	Mfrs. List No.	Order Code	Price Each
LR21 + WDH 30 Soldering Iron Set	0052918799	150-2814	

WSP80 Soldering Set



This soldering iron and stand set consists of the original WSP80 soldering iron and the new style WDH10 stand.

WSP 80 Soldering Iron:

- Rated at 80W
- Short heating up time
- Uses LT and LT-LF series tips

WDH 10 Soldering Iron Stand:

- Designed to complement the design of the WD1 and WD2 power units
- ESD safe
- Funnel insert for the soldering iron can be moved to an ergonomically favourable position without the use of tools
- Tip storage at the rear
- Pedestal plate contains an insert for a sponge (sponge supplied)

Contents:

WSP 80 Soldering Iron	125-6930
WDH 10 Soldering Iron Stand	999-4068

422611/436660

Mfrs. List No.	Order Code	Price Each
WSP 80 + WDH 10	999-4033	
Individual Items (Available Separately)		
WSP80	125-6930	
WDH 10	999-4068	

WP80 Micro Soldering Pencil Set



The WP 80 micro soldering pencil set is ideal for work under microscopes with its short tip to grip length of 40mm. Set includes WP 80 micro soldering pencil and WDH10 safety stand.

- Short tip to grip length
- Rated at 80W
- Soldering tips:LT series

448422

Mfrs. List No.	Order Code	Price Each
WP 80 Soldering Set	5 29 181 99	128-2090

Over 500 000 products available online



Iron Stands
Standard



KH20



KH6

- KH20 for use with LR21, T3000 and TCP
- KH6 for use with W61 and W101
- Reinforced spring safety holder to prevent flex tangling in spring
- Supplied with sponge and cast iron base

222220

Iron Series	Mfrs. List No.	Order Code	Price Each
TCP	KH20	454-734	
W61 & W101	KH 6	419-217	
Sponge (5 pack)	52241999	800-636	

WDH10 and WDH20 Soldering Iron Stands



WDH10



WDH20

- Designed to complement the design of the WD1 and WD2 power units
- ESD safe
- Funnel insert for the soldering iron can be moved to an ergonomically favourable position without the use of tools
- Tip storage at the rear
- Pedestal plate contains an insert for a sponge (sponge supplied)

Compatibility:

WDH 10	WSP 80 & WP 80 Soldering Iron
WDH 20	WMP Soldering Iron

422613/436663

Mfrs. List No.	Order Code	Price Each
WDH 10	999-4068	
WDH 20	999-4076	

WDH10T Stop + go stand for WSP80 and WP80 soldering iron



- Design is compatible with WD1(M), WD2(M), and WR3M Stations
- Accepts WDC2 Dry Cleaner Attachment
- Stop and Go function connects to the power unit to set back pencil when not in use
- Extends tip life by reducing temperature when not in use

477007

Mfrs List No.	Order Code	Price Each
WDH 10T	141-6002	

Surface Mount

SMD Removal Tips for use with WSP80/WP80 Irons

A comprehensive range of desoldering tips to cope with most surface mount packages. Soldering iron adaptors are required to enable the SMD tips to be used with irons which take either PT or ET series soldering bits.

Configuration	Component style	Component design	Component size (Inches) (L W H)	Mfrs. List No.
		0405	0.040 0.050 0.040	SMT0504
		0504	0.050 0.040 0.040	
		0505	0.050 0.050 0.040	
		1206	0.120 0.060 0.060	SMT1206
		1210	0.120 0.100 0.065	
		1825	0.197 0.157 0.066	SMT8

212498

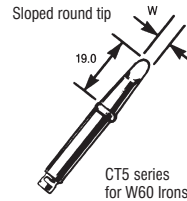


Mfrs. List No. Order Code Price Each

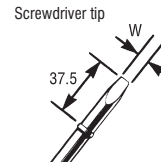
Tips	SMT0504A	139-0364	
	SMT1206D	416-964	
	SMT8K	334-8568	
Iron Adaptors			
LT to SMD Adaptor	0054441799	321-2269	
SMTA for LR21 Adaptor	SMTA	139-0365	
ET to LT for LR21 Adaptor	0058720781	139-0366	

Weller Soldering Tips

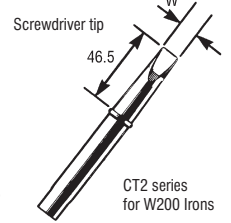
CT Series Tips for W Series Irons



CT5 series for W60 Irons



CT6 series for W100 Irons



CT2 series for W200 Irons

Style Code	W	Style Code	W	Style Code	W
AA	1.6	D	5.0	F	10.0
BB	2.4	E	7.0		
CC	3.2	F	9.5		
DD	5				
C	3.2	E	7.0		
Temp. Code	Tip Temp.	Temp. Code	Tip Temp.	Temp. Code	Tip Temp.
7	370°C (700°F)	8	425°C (800°F)	8	425°C (800°F)
8	425°C (800°F)				

CT5CC7 fitted as standard

NB: CT5EE6 not available

CT6E7 fitted as standard

CT2F7 fitted as standard

Mfrs. List No.	Order Code	Mfrs. List No.	Order Code	Mfrs. List No.	Order Code
CT5AA7	416-022	CT6C7	416-150	CT6F7	416-253
CT5AA8	416-034	CT6C8	416-162	CT6F8	416-228
CT5BB7	416-058	CT6D7	416-174	CT2E7	416-230
4CT5BB8	416-060	CT6D8	416-186	CT2E8	416-241
CT5CC7	416-083	CT6E7	416-198	CT2F7	425-461
CT5CC8	416-095	CT6E8	416-204	CT2F8	416-265
CT5DD7	416-113				

212680

Mfrs. List No.	Order Code	Price Each
All CT5 type		
All CT6 type		
All CT2 type		

EPH Series Tips for EC1301, EC3000, EC3100, EC4000 and EC4100 Irons



Type	Mfrs. List No.	Dimensions	Order Code	Price Each
Micropoint	EPH101	L=11, W=0.38	416-850	
Bent conical	EPH102*	L=11, W=0.80	416-861	
Screwdriver	EPH106	L=11, W=1.5	416-903	

212499

Order Code	Price Each
EPH-101	416-850
EPH-102	416-861
EPH-106	416-903

ET Series Tips for EC1201, FE50, LR21 and T3001 Irons

Style	Configuration	L	W	Mfrs List No.	Order Code
Sloped Round		16	1.2	ET-F	903-917
Sloped Round		15.9	3.2	ET-CC	416-745
Screwdriver		15.9	0.8	ET-H	416-757
Screwdriver		15.9	1.6	ET-A*	416-769

Weller Soldering Tips - continued

ET Series Tips for EC1201, FE50, LR21 and T3001 Irons - continued

		Mftrs	
Screwdriver	15.9	2.4	ET-B 416-770
Screwdriver	15.9	3.2	ET-C 416-782
Screwdriver	19.1	5	ET-D 416-794
Screwdriver	19.1	6	ET-E 903-899
Long Screwdriver	25.4	1.2	ET-K 416-800
Long Screwdriver	25.4	2	ET-L 416-812
Long Screwdriver	25.4	3.2	ET-M 903-905
Conical	15.9	0.8	ET-P 416-824
Long Conical	25.4	0.8	ET-O 416-836
Long Conical	25.4	0.4	ET-S 416-848

*fitted as standard

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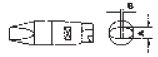


Price Each

Order Code	
ET-F	903-917
ET-CC	416-745
ET-H	416-757
ET-A	416-769
ET-B	416-770
ET-C	416-782
ET-D	416-794
ET-E	903-899
ET-K	416-800
ET-L	416-812
ET-M	903-905
ET-P	416-824
ET-O	416-836
ET-S	416-848

HT Series Tips

for LR 82 Irons



Model	Description	Width A	Thickness B	Mftrs. List No.
	Chisel Tip	3.2mm	1	HT-1
	Chisel Tip	5.2mm	1.2	HT-2
	Chisel Tip	7mm	1.2	HT-3
	Chisel Tip	3.2mm	1	HT-C
	Chisel Tip	5.6mm	1	HT-E

212635

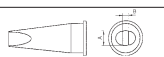
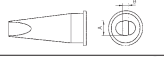
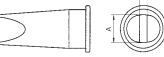

Price Each

Type	Mftrs. List No.	Order Code
HT-1	HT-1	321-3717
HT-2	HT-2	321-3729
HT-3	HT-3	321-3730
HT-C	HT-C	321-3742
HT-E	HT-E	321-3766

LHT Series Tips

for use with WSP 150 soldering iron



Mftrs. List No.		Width A	Thickness B	Order Code
LHT-C		3.2mm	1.2mm	128-2092
LHT-D		4.7mm	1.8mm	380-4586
LHT-E		6.7mm	1.8mm	380-4574
LHT-F		9.3mm	1.8mm	380-4562

448327

Price Each

Type	Order Code
LHT-C	128-2092
LHT-D	380-4586
LHT-E	380-4574
LHT-F	380-4562

Soldering Tips for Lead Free

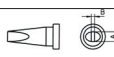

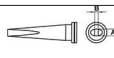
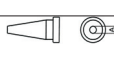


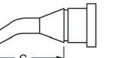

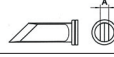
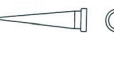



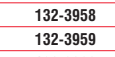
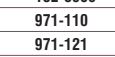
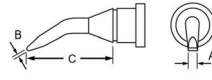



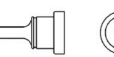

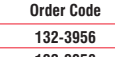
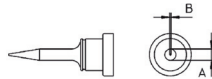
LT Series Tips for TCP irons with LT Tip Adapter



Standard tips have an average iron layer of 200µm depending on the geometrical form. The new Weller LT Series tips carry an optimised layer of twice as much iron, thus enhancing the tip lifetime.

When lead-free soldering, a general recommendation is using a tip as big as possible and if necessary to improve the process by a thinner solder-wire. For lead free solder the adjusted soldering temperature at the station should be in the range of 340 - 360°C, depending on the geometry of the tip.

For further enhancement of tip lifetime Stop+Go stands should be used.

Mftrs List No.		Description	Width A	Thickn. B	Order Code
LT A		Chisel	1.6	0.7	132-3956
LT B		Chisel	2.4	0.8	132-3958
LT C		Chisel	3.2	0.8	132-3959
LT D		Chisel	4.6	0.8	132-3960
LT H		Chisel	0.8	0.4	971-110
LT K		Chisel	1.2	0.4	971-121
LT L		Long Chisel	2.0	1.0	132-3961
LT M		Long Chisel	3.2	1.2	132-3962
LT 1		Round	0.25	-	971-029
LT AS		Round	1.6	-	132-3971
LT CS		Round	3.2	-	132-3972
LT AA		Long Round	1.6	4	132-3965
LT BB		Round Spade	2.4	4.0	132-3966
LT CC		Round Spade	3.2	6.0	132-3967
LT DD		Round Spade	4.6	6.0	132-3968
LT AX		Chisel Bent	1.6	0.8	153-3173
LT GW		Gullwing	2.3	3.2	132-3973
LT KN		Knife	6.3	-	132-3974
LT O		Long Conical	0.8	-	132-3963
LT S		Conical	0.4	-	380-4525
LT T		Long Conical	0.6	-	132-3964
LT 1S		Round Slim	0.2	-	971-030
LT 1SC		Chisel	0.4	0.15	154-9796

457070/457079

Price Each

Mftrs. List No.	Order Code
LT A	132-3956
LT B	132-3958
LT C	132-3959
LT D	132-3960
LT H	971-110
LT K	971-121
LT L	132-3961
LT M	132-3962
LT 1	971-029
LT AS	132-3971
LT CS	132-3972
LT AA	132-3965
LT BB	132-3966
LT CC	132-3967
LT DD	132-3968
LT AX	153-3173
LT GW	132-3973
LT KN	132-3974
LT O	132-3963
LT S	380-4525
LT T	132-3964
LT 1S	971-030
LT 1SC	154-9796
Accessories	
MT-LT ADAPTOR	154-9794

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NT Series Tips for WMP Iron



TIPS (w/PART NUMBER)	TIP DESCRIPTION	ORDER CODE
	0.25 Conical	415-4691
	0.25 Straight	415-4708
	0.4mm Round Bent	415-4710
	1.2mm Spade	415-4721
	1.6mm Chisel Straight	415-4733
	1.6mm Conical	415-4745
	1.6mm Chisel Bent	415-4757
	2.4mm Chisel	415-4769
	3.2mm Chisel	415-4770
	4.0mm Chisel	415-4782
	SMT	415-4794
	0.8 Chisel	415-4800
	1.2mm Long Chisel	415-4812
	0.15mm Chisel	167-6522

Mfrs. List No.	Order Code	Price Each
NT1.	415-4691	
NT1S.	415-4708	
NT1X	415-4710	
NT4.	415-4721	
NT6.	415-4733	
NTA.	415-4745	
NTAX	415-4757	
NTB.	415-4769	
NTC.	415-4770	
NTD.	415-4782	
NTGW	415-4794	
NTH.	415-4800	
NTK.	415-4812	
NT1SC	NEW 167-6522	

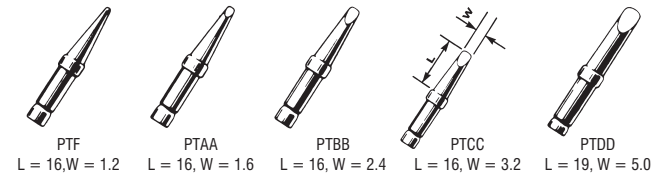
241311

Accessories Description	Order Code	Price Each
Tip changing tool for changing straight NT series tips	158-8493	

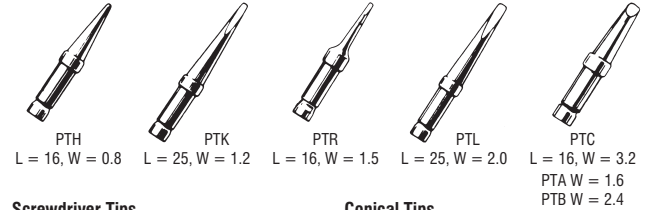
PT Series Tips for TCP irons without the LT Tip Adapter



Sloped Round Tips

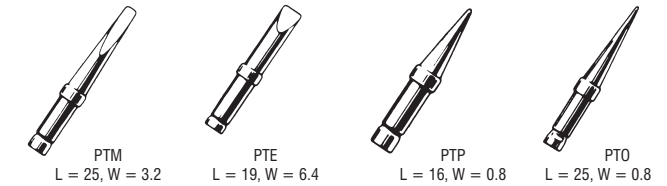


Screwdriver Tips



Screwdriver Tips

Conical Tips



'Longlife' tips are made from pure copper, then iron plated for long life and chromium plated to prevent oxidation. With proper care they are always wettable.

PT-AA7 (416-290) Fitted as standard

212661

Mfrs. List No.	Order Code	Price Each
315°C (600°F)		
PT-H6	416-526	
PT-K6	416-551	
PT-L6	416-587	
PT-O6	903-930	
370°C (700°F)		
PT-A7	800-508	
PT-AA7	416-290	
PT-B7	800-510	
PT-BB7	416-344	
PT-C7	416-368	
PT-CC7	416-393	
PT-DD7	416-435	
PT-E7	416-459	
PT-F7	416-496	
PT-H7	416-538	
PT-K7	416-563	
PT-L7	416-599	
PT-M7	416-629	
PT-O7	416-654	
PT-P7	416-691	
PT-R7	416-721	
PT-S7	836-254	
430°C (800°F)		
PT-AA8	416-307	
PT-B8	800-521	
PT-BB8	416-356	
PT-C8	903-942	
PT-CC8	416-400	
PT-DD8	416-447	
PT-E8	416-460	
PT-F8	416-502	
PT-K8	416-575	
PT-L8	416-605	
PT-M8	416-630	
PT-M	836-278	
PT-O8	416-666	
PT-P8	416-708	
PT-R8	416-733	
480°C (900°F)		
PT-AA9	416-319	
PT-BB9	903-954	
PT-C9	903-966	
PT-CC9	416-411	
PT-DD9	903-978	
PT-E9	416-472	
PT-O9	904-016	

Weller Soldering Tips - continued

PT Series Tips for TCP irons without the LT Tip Adapter - continued

Screwdriver Tips - continued

Mftrs. List No.	Order Code	Price Each
Accessories		
PT 5 LT Adaptor	NEW 171-2867	
PT 6 LT Adaptor	NEW 171-2868	
PT 7 LT Adaptor	NEW 171-2869	
PT 8 LT Adaptor	NEW 171-2870	
PT 9 LT Adaptor	NEW 171-2872	

RT Series Soldering Tips

For use with the WMRS Micro Soldering Station



TIP IMAGE	TIP DESCRIPTION	MFTRS. LIST NO.	ORDER CODE
	Needle Tip	RT1	880-9860
	Round 0.8mm	RT2	880-9879
	Chisel 1.3 x 0.4mm	RT3	880-9887
	Chisel 1.5 x 0.4mm	RT4	880-9895
	Chisel 1.3 x 0.4mm (Bent)	RT5	880-9909
	Round - Dia 1.2mm 45°	RT6	880-9917
	Knife Tip	RT7	880-9925
	Chisel 2.2mm x 0.4mm	RT8	128-2102
	Chisel 0.8mm x 0.4mm	RT9	128-2103
	Gull wing 1.2mm x 2mm	RT10	128-2105
	Chisel 0.4 x 0.15mm	RT 1SC	167-6504
	Needle Tip	RT 1MS (MIL Spec)	167-6506
	Chisel 0.4 x 0.15mm	RT 1SCMS (MIL Spec)	167-6508
	Chisel 1.3 x 0.4mm	RT 3MS (MIL Spec)	167-6509
	Round 0.4mm	RT 2MS (MIL Spec)	167-6510
	Chisel 1.5 x 0.4mm	RT 4MS (MIL Spec)	167-6511
	Chisel 1.3 x 0.4mm (Bent)	RT 5MS (MIL Spec)	167-6512

TIP IMAGE	TIP DESCRIPTION	MFTRS. LIST NO.	ORDER CODE
	Chisel 2.2mm x 0.4mm	RT 8MS (MIL Spec)	167-6513
	Gull wing 1.2mm x 2mm	RT 10GWMS (MIL Spec)	167-6514

387189

Mftrs. List No.	Order Code	Price Each
RT1	880-9860	
RT2	880-9879	
RT3	880-9887	
RT4	880-9895	
RT5	880-9909	
RT6	880-9917	
RT7	880-9925	
RT8	128-2102	
RT9	128-2103	
RT10	128-2105	
RT 1SC	167-6504	
RT 1MS	167-6506	
RT 1SCMS	167-6508	
RT 3MS	167-6509	
RT 2MS	167-6510	
RT 4MS	167-6511	
RT 5MS	167-6512	
RT 8MS	167-6513	
RT 10GWMS	167-6514	
RT MEASURE	167-6505	

XT Series Tips

for use with WP120



Mftrs List No.	Description	A (mm)	B (mm)	Order Code
XT AL	Chisel	1.6	1.0	157-4582
XT M	Chisel	3.2	1.2	157-4583
XT A	Chisel	1.6	0.7	157-4584
XT B	Chisel	2.4	0.8	157-4585
XT C	Chisel	3.2	0.8	157-4586
XT D	Chisel	4.6	0.8	157-4587
XT E	Chisel	5.9	1.2	157-4588
XT AA	60° Round Sloped	1.6		167-6523
XT BB	45° Round Sloped	2.4		167-6524
XT CC	45° Round Sloped	3.2		167-6525
XT KN	Knife	2		167-6526
XT GW	45° Gull Wing	3.2	2.3	167-6527
XT H	Chisel	0.8		167-6528
XT O	Conical	1		167-6529
XT BS	Round	2.4		167-6530
XT CS	Round	3.2		167-6531
XT DS	Round	5		167-6533
XT F	30° Round Sloped	1.2		167-6534

509012

Mfrs. List No.	Order Code	Price Each
XT AL	157-4582	
XT M	157-4583	
XT A	157-4584	
XT B	157-4585	
XT C	157-4586	
XT D	157-4587	
XT E	157-4588	
XT AA	167-6523	
XT BB	167-6524	
XT CC	167-6525	
XT KN	167-6526	
XT GW	167-6527	
XT H	167-6528	
XT O	167-6529	
XT BS	167-6530	
XT CS	167-6531	
XT DS	167-6533	
XT F	167-6534	
Accessories		
M4 XT Adaptor	167-6535	
M5 XT Adaptor	167-6536	

Weller De-Soldering & Rework Stations

WR 2 Repair Stations



The 2 channels of the WR 2 power unit allow a soldering and desoldering tool or a soldering and hot air tool to be connected and operated simultaneously. In addition, to save on power consumption, an ECO function on the unit allows the tools to go into a 'sleep mode' when not in use.

- 2 independent tool channels with automatic tool recognition
- Simultaneous use of 2 tools (up to maximum 300 W power rating of the unit)
- Weller Micro-Tools are not connectable
- Will drive all Weller 200 W soldering and desoldering irons
- Self contained vacuum and air turbine
- ECO button for "sleep mode"
- Programmable temperature memory key
- ESD safe

Dimensions: 237 x 235 x 102mm
 Mains supply voltage: 230V / 50Hz
 Power Consumption: 300 W
 Temperature control of channels: 50°C - 550°C (150°F - 1022°F)
 Controllable temperature range is tool-dependent
 Safety class: I & III
 Pump (periodic duty (30/30s): max. vacuum 0.7 bar

Contents of WR 2:

WR 2 power unit

Contents of WR 2002 (DXV80/WSP80):

WR 2 power unit, DXV 80 Desoldering Iron, WSP 80 Soldering Iron, WDH 10T Safety Rest and WDH 30 Safety Rest.

Contents of WR 2002 (DSX80/WP80):

WR 2 power unit, DSX 80 Desoldering Iron fitted with DSX 113HM Nozzle, WP 80 Soldering Iron fitted with LTB Tip, WDH 10T Safety Rest and WDH 30 Safety Rest.

Contents of WR 2000A:

WR 2 power unit, HAP 1 Hot Air Pencil fitted withø3mm Nozzle and WDH 30 Safety Rest.

Contents of WR 2000D:

WR 2 power unit, HAP 1 Hot Air Pencil fitted withø3mm Nozzle and WDH 30 Safety Rest.

Mfrs. List No.	Description	Order Code	Price Each
WR 2 (UK + EU)	Power Unit	182-1371	
WR 2002 (DXV80/WSP80) UK	Rework Station	182-1372	
WR 2002 (DSX80/WP80) (UK + EU)	Rework Station	182-1373	
WR 2000A (UK + EU)	Hot Air Station	182-1375	
WR 2000D (UK + EU)	Desoldering Station	182-1376	

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WDD81V Desoldering Station



- A compressed air driven micro processor controlled single output
- Rework station with digital display of temperature for the repair/rework of printed circuit boards with through hole components
- The stations flexibility can be increased by the addition of other tools Weller electronic range compatible with the station
- Additional features can be programmed into the station by the WCB1 and WCB2 calibration boxes
- Temperature accuracy ±2% of max.

- Temperature range 50° to 450°C

Contents:		
WDD 81 V Control Station		Clean Out Tool 419-140
DSX 80 Desoldering Pencil	412-2422	Nozzle DX 112 412-2466
AK 20 Bench Support	835-870	Nozzle DX 113 412-2458
		1.5m x 6mm Air Hose

Order Code	Price Each
0053256399	322-4703

WDD161V Rework Station



A compressed air driven micro processor controlled dual output rework station with digital display of temperature, for repair/rework of printed circuit boards with through hole components. The stations flexibility can be increased by the addition of other tools from the Weller electronic range compatible with

the station. Additional features can be programmed into the station by the WCB1 and WCB2 calibration boxes.

- Independent control of outputs
- Automatic tool recognition
- Digital display of set, read and actual temperatures
- Temperature accuracy ± 2% of maximum temperature
- Venturi to convert air pressure to vacuum
- ESD safe
- Rating 160 Watt.
- Temperature range for solder/desoldering tools: 50°C to 450°C

Contents:		
1. PUD 161 V power unit		3. AK20 bench support
2. DSX 80 desoldering pencil		4. Clean out tool
4. WSP 80 soldering iron		5. WPH bench support
		6. Clean out tool
		7. Gasket set
		8. Nozzles: DX112 & DX113
		9. 2m x 6mm air hose

Mfrs. List No.	Order Code	Price Each
WDD161 V	0053280399	412-2756

Desoldering Bulbs



- Allows temperature controlled desoldering
- Simple one finger action

Iron Series	Order Code	Price Each
DS7-TCP	419-060	
Replacement bulb	419-096	

REACH - SVHCs



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A range of tools suitable for use with WMA1 and WMD3 rework stations.

- LR 21 ESD** A 50 watt, temperature controlled soldering iron. Fitted with LT M tip.
DSX80 An 80 watt, desoldering iron. Uses the DS100 series nozzles.
DXV80 In line desoldering iron offering a shorter tip to grip length. Uses DS100 series nozzles.
WSP 150 Heavy duty 150W soldering iron
WSB 80 Solder bath
HAP1 Is a 100 watt, hot air pencil with finger control air switch.
DS80 80 watt desoldering iron
LR82 80 watt Heavy duty iron (24V) HTSeries tips
WHP80 80 watt, electronically controlled hot plate

Mfrs. List No.	Order Code	Price Each
LR 21 ESD	171-2864	
DSX80 Desoldering Iron	412-2422	
DXV 80	999-4050	
WSP 150	101-8758	
WSB 80	466-4504	
HAP 1	155-6322	
DS80 (Euro)	838-974	
LR82	128-2091	
WHP80	401-5010	

212599

Mfrs. List No.	For use with	Order Code	Price Each
KH20	LR21, HAP1	454-734	
KH27	LR82	855-250	
AK20	DSX80	835-870	
WDH 10	WSP80/WP80	999-4068	
WDH 20	WMP	999-4076	
AK51.		412-2987	
Nozzles for HAP1			
HAPN-1	1.2mm	765-041	

WD 3000HPT & WD 3002HPT Soldering Stations



A self contained rework station for use with through hole and surface mount technology PCBs.

- Multipurpose repair station
- Specifically tailored to the needs and requirements of professional repairs to latest-technology electronic sub-assemblies in industrial production engineering and in the repair and laboratory fields
- 3 independent tool channels with automatic tool detection, guarantees the simultaneous operation of 3 soldering tools
- Precise temperature control performance at the soldering tip is guaranteed by the digital control electrotechnology together with superior quality sensor and heat-transfer technology
- High-speed measured-value acquisition provides for maximum temperature precision and optimum dynamic temperature performance in load situations
- All Weller High-Speed Micro Tools such as the WMRP micro soldering bit and the WMRT micro desoldering tweezers can be connected
- The new powerful 200 Watt soldering iron, WP 200, can also easily be connected
- Equipped with a mini USB port
- Monitor software for monitoring, parameterising and data logging is included in the software package
- Innovative special functions such as automatic channel changing, temperature pre-selection buttons for each channel, Factory Calibration Check
- Large easy read LCD display

Dimensions:	237 x 235 x 102mm	Dimensions:	237 x 235 x 102mm
Weight:	6,7 kg	Weight:	6,7 kg
Mains supply voltage:	230V/ 50/60Hz	Mains supply voltage:	230V/ 50/60Hz
Power Consumption:	420 W	Temperature accuracy:	± 9°C (±17°F)
Temperature control of channels:	50°C - 450°C (150°F - 850°F)	Temperature stability:	± 5°C (±9°F)
	Controllable temperature range is tool-dependent		

Contents WD 3000HPT:

WD 3M Control Unit, WP 120 Soldering Pencil, WDH 10T Safety Rest, WMRP Micro Pencil, WDH 50 Safety Rest, WMRT Micro Tweezers and WMRT Safety Rest.

Contents WD 3002HPT:

WD 3M Control Unit, 2 x WP 120 Soldering Pencil and 2 x WDH 10T Safety Rest.

Contents of WD 3M:

WD 3M control unit, Power cord, USB Cable and software CD

The WP 200 soldering iron delivers exceptional levels of power. The combination of compact design, powerful heating element and separate replaceable tips produces an iron with dynamic performance and low ongoing ownership costs. Temperature changes at the tip are immediately recognised and produce an immediate and precise response from the iron's electronic control. This makes the WP 200 ideal for work on large and difficult soldering joints such as on transformers, HF shielding and electric motors.

Contents of WP 200 Kit:

WP 200 soldering iron and safety rest WDH 31

Contents of WMRT Set:

WMRT tweezer, RTW2 tip set and WMRT stop & go stand

526804

Mfrs. List No.	Mfrs. List No.	Order Code	Price Each
WD 3000HPT (UK + EU)	005 33 736 99	167-6539	
WD 3002HPT (UK + EU)	005 33 746 99	167-6540	
WD 3M (UK + EU)	005 33 726 99	NEW 173-5227	
Individual Items			
WP 200 Soldering Iron	005 29 199 99	NEW 172-9969	
WP 200 Soldering Kit	005 29 200 99	NEW 172-9970	
WMRP Solder Pencil	005 29 171 99	112-0571	
WMRT Thermal Tweezer Set	005 13 173 99	117-4843	
WMRT Thermal Tweezer	005 13 174 99	112-0564	
Tips			
XHT D	005 44 801 99	NEW 173-5228	
XHT E	005 44 802 99	NEW 173-5229	

DXV 80 in line desoldering tool set with internal solder collection chamber

24V/80 Watt - For use with WMD and WDD Series Rework Stations



Desoldering Hand Piece and Support included in the DXV80 Set

A desoldering iron for electronics rework. The DSX series tool features a novel threadless desoldering nozzle fixture system where by the nozzle is inserted into the head and locked into place by applying a ¼turn. This patented 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.

- Disposable solder collection tube incorporated in the handle
- 80W rated
- Can be used with all WMD and WDD series rework stations
- Uses DX series easy change threadless tips

Contents: DXV 80 Desoldering tool, WDH40 Safety rest, DX112 Desoldering nozzle, DX113 Desoldering nozzle, Solder collection chamber/filter (5) and Cleaning set

Operating Temperature Up to 450°C
Warm Up Time Approx 70 sec.

414754/436429

Description	Mfrs. List No.	Order Code	Price Each
DXV 80 Desoldering Set	005 13 182 99	145-6903	
DXV 80 Desoldering Iron	005 13 180 99	999-4050	

Replacement Items/Consumables

Description	Mfrs. List No.	Order Code	Price Per Pack
Solder Collection Tube (Pk 5)	005 87 418 15	101-8764	
WDH 40 Safety Rest	005 15 153 99	167-6501	

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See inside front cover

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DX Series Desoldering Tips

For use with DXV Desoldering Pencil



TIP IMAGE	TYPE NO.	OD x ID (∅) x LENGTH (mm)	ORDER CODE
	DX 110	1.9x0.7x23	421-1133
	DX 111	2.5x0.7x23	421-1182
	DX 112	2.3x1.0x23	412-2446
	DX 113	2.5x1.2x23	412-2458
	DX 114	3.3x1.8x23	421-1200
	DX 115	1.9x0.7x29	421-1236
	DX 116	2.7x1.2x29	421-1250
	DX 117	2.9x1.5x23	128-2108
	DX 118	1.5x0.7x23	128-2109
	DX 119	1.1x0.7x31	128-2110
	DX 120	2.5x1.1x22	128-2111

417407/436432

Mfrs. List No.	Order Code	Price Each
DX110	421-1133	
DX111	421-1182	
DX112	412-2446	
DX113	412-2458	
DX114	421-1200	
DX115	421-1236	
DX116	421-1250	
DX117	128-2108	
DX118	128-2109	
DX119	128-2110	
DX120	128-2111	

DSX80 Desoldering Tool Set



- Ergonomic design for ease of operation.
- Rated at 80W
- ESD safe
- Uses DX series nozzles
- 80 watt through hole desoldering tool for use with all Weller desoldering and rework stations

Contents:
DSX 80 Desoldering Iron
WDH 30 Bench Support

490528

Description	Mfrs. List No.	Order Code	Price Each
DSX80 Desoldering Set	0051318399	150-2817	
DSX80 Desoldering Iron	0051319099	412-2422	
Clean Out Tool DSX80	0058706794	412-2434	
Nozzle DX112	DX112	412-2446	
Nozzle DX113	DX113	412-2458	
Desoldering head DSX80	0051313099	120-3394	
Replacement Glass Tube (Pack of 4)	51360599	458-302	

Desoldering Iron Nozzles



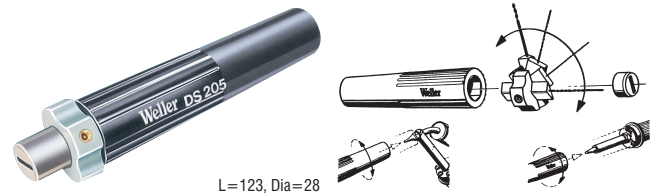
Suitable for all desoldering stations

ID (mm)	Metric Tips OD (mm)	Length (mm)	Mfrs. List No.
0.7	1.9	18	DS110
0.7	2.5	18	DS111
1.0	2.3	18	DS112
1.2	2.5	18	DS113
1.8	3.3	18	DS114

ID (mm)	Metric Tips OD (mm)	Length (mm)	Mfrs. List No.
0.7	1.9	24.5	DS115
1.2	2.7	24.5	DS116
1.5	2.9	18	DS117
0.7	1.5	18	DS118

Mfrs. List No.	Order Code	Price Each
DS110 EURO	458-351	
DS111 EURO	458-363	
DS112 EURO	458-399	
DS113 EURO	458-405	
DS114 EURO	458-430	
DS115 EURO	458-375	
DS116 EURO	458-417	
DS117 EURO	458-429	
DS118 EURO	458-387	

Clean Out Tool



L=123, Dia=28

- Multi-purpose clean out tool and tip spanner for Weller desoldering stations

212488

Mfrs. List No.	Order Code	Price Each
0051350099	419-140	

Weller Hot Air Stations

Hot Air Station - WAD 101



Compressed air driven stations for use on through hole technology printed circuit boards



- Single channel
- Can drive all Weller electronically controlled tools upto 100watt
- Automatic tool recognition
- Temperature range 50 to 550°C
- Temperature accuracy +/- 30°C
- ESD safe
- Temperature set by up/down push buttons
- Air volume control via regulator
- Digital display

The station comprises: HAP1 100watt hot air pencil KH27 safety rest
WAD101 control station, with R06 nozzle (3mm) R04 nozzle (1.2mm)

Dimensions (L W H) 180mm 115mm 101mm
Temperature range Hot air: 50°C - 550°C, Soldering Iron: 50°C - 450°C
Flow rate Approx. 0-10l/min.

212631

Order Code	Price Each
322-4697	

FREE technical support

Our trained engineers are here to help!

- See inside front cover
- See inside front cover
- www.element14.com

Weller Hot Air Stations - continued

Heat Gun 6966E



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.

Contents:
Heat Gun, Shrinking Nozzle, 5mm Reflector and 38mm Reflector

Voltage Supply	230V	Temperature Range	400°C - 430°C	Power	210W
Description	Order Code	Price Each			
Heat Gun UK	152-3762				
Heat Gun EU	168-9001				



For use with	Mfrs. List No.	Order Code	Price Per Pack
Sponge	All desoldering stations	52241999	800-636
Switch assemblies/	DS900 & D/E, DS900P & D/E	SW1	417-683
Temperature sensors	DS700D/E, DS800D/E, DS701D/E, DS801 & D/E,		
Vacuum tube (1.75m)	All desoldering stations	VT1	418-018

Spares for Desoldering Irons/Stations

Description	For use with	Mfrs. List No.	Order Code	Price Per Pack
Head Set	DSX80	0051313099	120-3394	
Head Set	DXV80	0058741822	128-2081	
Filter/Solder Receiver (5)	DXV80	0058741815	101-8764	
Filter Holder (5)	DSX80	0058706792	128-2084	
Filter Disc (10)	DSX80	0051360499	128-2085	
Gasket Set (2)	DSX80	0058741821	128-2087	
"S" Clips (5)	DSX80 / DXV80	0051363199	128-2088	



Weller Spares and Accessories

Spares for Soldering Irons and Stations

	For use with	Mfrs. List No.	Order Code	Price Each
Barrel assy standard	WP80	0058744845	128-2065	
Barrel assy long	WP80	0058744846	128-2066	
Barrel assy	LR82/FE80	0052620299	128-2067	
Ceramic burner	WSTA4	0051617799	252-621	
	WSP80	0058744711	128-2068	
	FE75	0058744724	128-2069	
	FE50	0052412299	128-2070	
	FE50M	0051012199	128-2071	
	LR82	0052620199	128-2072	
	WP80	0058744855	128-2075	
	WSP150	0058744761	128-2076	
	W60D	0056120699	417-476	
	W100D	HEW100D	417-490	
	WP200D, W200D, W201D	0056122699	417-520	
	W201D/E	0051130299	417-701	
	WP60D/E	SW4	417-713	
	W100D/E	0051130199	417-725	
Tipnuts	WSP150	0058744795	128-2077	
	W61	0051134299	417-798	
Sponge	All bench supports	52241999	800-636	
Funnels for bench supports	All TCP soldering irons	0055004099	128-2078	
	FE50, FE50M, FE80, FE75	0055005099	128-2079	
	WSP80, WPH80	0058744729	128-2080	

* New HE1 heating element, won't fit the DS700D/E or DS800D/E

Spares for Desoldering Irons/Stations

For use with	Mfrs. List No.	Order Code	Price Per Pack
Clean out tools			
Set of 5	All desoldering stations	0051350099	419-140
Desoldering bulb	DS-TCP, DS-WP60	DSB	419-096
Filters			
Cartridge	DS701D/E, DS801 & D/E,		
	DS811 & D/E	0058711718	417-919
	DS58, 5088AS	4083	971-583
Mineral wool (x 10)	All desoldering stations	0051360499	128-2085
Foam sleeve	TCP, TCP3M, EC1201A,		
	W60 + W100	511017	971-571
Footswitch	DS700D/E, DS800D/E, DS811 & D/E (ESD), DS802D/E,		
Gaskets (x 10)	DS3105	0051360399	334-6006
Glass tube	DS900 & D/E, DS900P & D/E,		
	DS700D/E, DS701D/E,		
	DS800D/E, DS801 & D/E,		
	DS802D/E,		
	DS811 & D/E (ESD)		
	DS700D/E, DS800D/E,	0051360599	417-993
Heating elements	DS900 & D/E, DS900P & D/E,		
	DS802D/E, DS701D/E	HE1	417-440



Soldering Accessories

Tip Cleaner



- Contents made of low abrasive brass shavings
- No water or messy wet sponges necessary
- No temperature drop as in conventional sponges
- Anti-slip pad on the base and an integral adjustable soldering iron rest
- Two concave indents on the top rim
- Dimensions (Dia. x H): ∅82x30mm

Description	Order Code	Price Each
Tip Cleaner	146-7280	

411350.484816

WDC Dry-Cleaner

The solution for cleaning from Leadfree Solder



When using lead-free solder, an increased oxidation of the wettable area of the tip will be experienced. These oxides must be removed regularly otherwise it will make the tip completely unwettable and no longer usable. The conventional method for cleaning with a wet sponge is often not applied with the required attention.

With the WDC dry tip cleaner the surplus solder can be removed by tapping the tip on the soft edge of the collector box. The final cleaning is then done by pushing and turning the tip in the metal wool. After cleaning there is still a fine layer of solder on the tip avoiding fast oxidation of the iron layer.

- The holder is antistatic

Description	Mfrs. List No.	Order Code
WDC Dry Cleaning System	005 15 124 99	999-4084
Spare Metal Wool (Pk 2)	T0051384099	179-2731

414752/436665

Description	Order Code
WDC Dry Cleaner	999-4084
Spare Metal Wool (Pk 2)	NEW 179-2731

Tip Maintenance Kit



A kit of 3 products (WDC Dry Cleaner, Tip Activator and Polishing Bar) which, when used in conjunction with each other, will extend tip life particularly when using lead free solder.

Description	Mfrs. List No.	Order Code	Price Each
Tip Maintenance Kit	0051512699	137-8426	

475168

Tip Maintenance Kit



A set of 3 products (WDC2, Polishing bar and Tip Tinner) which, when used in conjunction with each other, will extend tip life particularly when using lead free solder.

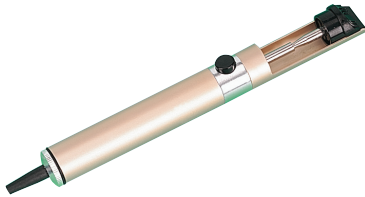


526795

Description	Mfrs. List No.	Order Code	Price Each
Tip Maintenance Kit	0051512799	167-6500	
			Price Per Pack
Spare Metal Wool (Pk 2)	T0051384199	NEW 179-2732	

De-Soldering Guns

Dedsoldering Pump



- Metal construction
- Anti-static tip

230533

Description	Length (mm)	Order Code	Price Each
Desoldering pump	162	312-5634	
Desoldering pump	195	312-5646	
Accessories			
Spare tip		312-7709	

Soldapullt DS 017/DS 017LS



Dimensions:
 ∅ = 26 L = 240
 Weight 130g

- Heavy-duty spring loaded desoldering gun
- Push-button trigger
- DS017LS constructed from low static material for charge -sensitive applications
- Spare washer suitable for both versions

230534

Price Each

	Order Code	Price Each
Standard		
DS017 gun	871-345	
Spare nozzle	871-590	
Antistatic		
DS017LS gun	835-511	
Spare nozzle	844-408	

Soldapullts



- SS 011 desolder gun ergonomically designed with full stroke plunger L=210, ∅=20, Weight=85g
- US 340 gun for service, ideal for tool boxes, lightweight, antistatic L=205, ∅=30, Weight=75g
- SS 350 metal desolder gun, heavy duty, antistatic L=225, ∅=20, Weight=45g

212555

	Order Code	Price Each
SS 011 gun	871-382	
Spare nozzle	844-421	
Spare washer	844-433	
US 340 gun	844-391	
Spare nozzle	844-408	
SS 350 gun	844-410	
Spare nozzle	445-0528	
Spare washer	844-433	

Desoldering Gun



Anti-Static



Length = 190mm, Diameter = 20mm

- PTFE Nozzle
- Extraction springs located outside the vacuum chamber to prevent solder sticking and promote long life
- Carbon impregnated tip and polished aluminum body to provide conduction from the desoldering point through to the operator

535478

Description	Mfrs. List No.	Order Code	Price / Pack
Anti-static Gun	39467	168-9399	
Spare Neoprene Washer	584	100-519	
Spare Nylon Washer	DSGDET4	100-520	
Spare Circlip	DSGDET11	100-521	
Spare Spring	DSGDET5	100-522	
Spare Nozzle	39505	105-929	

Lightweight, Low Cost



Anti-Static Version



Standard



Anti-static L=202, Dia=26mm

- Soft action desolder gun
- Lightweight plastic housings
- Recessed release button to prevent accidental operation
- Housing separates to provide access for cleaning
- Available in standard or anti-static versions
- Anti-static version complies with European standards concerning static sensitive components **CECC15**

212514

	Order Code	Price Each
Standard gun	253-546	
Anti-static gun	282-637	
Spare nozzle assembly	282-649	

Micro Miniature



143-916 L = 155, Dia = 14.5mm

230535

	Order Code	Price Each
Micro miniature gun	143-916	
Spare neoprene washer	143-917	

Standard



L=192, Dia=22mm

De-Soldering Guns - continued

Standard - continued

	Order Code	Price Each
Standard gun	419-011	
Spare PTFE nozzle	100-518	
Spare neoprene washer	100-519	
Spare nylon washer	100-520	
Spare circlip	100-521	
Spare main spring	100-522	

212664

Micro Anti-static



Dimensions (mm): L=155, Dia=14.5mm



Price Each

230536

Mfrs. List No.	Description	Order Code
59802	Micro Anti-static Gun	105-926
59803	Spare anti-static nozzle	105-927
58301	Spare neoprene washer	143-917

Standard



419-023 L=193, Dia=20mm

- Single handed operation
- Lockable spring loaded plunger
- Removes by suction all the solder from around the joint allowing exchange of components

230537

Mfrs. List No.	Order Code	Price Each
Standard gun	7874B	419-023
Spare nozzle	7875B	419-047

Mains Powered De-Soldering Guns

Motorised with Variable Hot Blow

DENON

Static Dissipative



H=190, W=40, D=205mm

- Motorised desoldering gun with variable hot blow facility
- Static dissipative housing is fitted with a low vibration, motorised diaphragm pump
- Value to select suction or variable hot blow
- 100W ceramic element
- Electronic temperature controller adjustable between 350°C and 500°C
- LED to indicate operating temperature
- On/off power switch within hand grip
- Fitted with a 1mm desoldering tip, 1.5m mains lead and 13A plug. Supplied with two replacement filter cartridges and a selection of six tip clean out tools

Voltage	230V ac 50/60Hz	Temperature range	350°C to 500°C
Pump capacity (open)	15 litres/minute	Weight	420g
Power consumption	120W		

Mfrs. List No. SC7000Z=956-880

212504

	Order Code	Price Each
Desoldering gun	956-880	
Spares		
Cleaning pins (set of 3)	226-919	
0.8mm dia tip	107-793	
0.8mm dia slim tip	109-155	
1.0mm dia tip	107-794	
1.5mm dia tip	107-795	
Element	226-920	
Filter cartridges (pk of 5)	226-944	
Stand	108-613	

Fume Extraction Systems

Bench Top Fume Absorber

DURATOOL



A portable bench top fume absorber to be used during hand soldering applications. Available in standard and ESD versions.

- High performance fan
- Activated carbon filter
- Absorbs flux and lead fumes
- Easy filter replacement
- Supplied with 3 filters
- Mains cable length: 1.1m
- Light duty hand soldering only

Technical Data

Power Consumption 23W
Dimensions (HxWxD) 270x220x168mm

Technical Data

Filter Dimensions (HxWxD) 130x130x10mm
Weight 1.5kg

Not recommended when using Rosin based flux solders.

472908/476821

Description	Order Code	Price/Pack
Standard Version (UK Plug)	139-1652	
Standard Version (EU Plug)	149-8369	
ESD Version (UK Plug)	139-1655	
ESD Version (EU Plug)	149-8372	
Replacement Filters (Pk 5)	139-1657	

Bench Mount Fume Absorber

DURATOOL



A bench mount fume absorber allowing greater versatility during hand soldering applications. Available in standard and ESD versions.

- Flexible arm mounts easily to almost any bench, or desk
- High performance fan
- Activated carbon filter
- Absorbs flux and lead fumes
- Easy filter replacement
- Supplied with 3 filters
- Mains cable length: 1.1m
- Light duty hand soldering only

Technical Data

Power Consumption 23W
Dimensions (HxWxD) 270x220x168mm (Head Unit)
Extension 0.55m from bench top to top of stand (fully extended)

Filter Dimensions (HxWxD) 130x130x10mm
Weight 1.8kg

Not recommended when using Rosin based flux solders.

472909/476824

Description	Order Code	Price/Pack
Standard Version (UK Plug)	139-1654	
Standard Version (EU Plug)	149-8371	
ESD Version (UK Plug)	139-1656	
ESD Version (EU Plug)	149-8373	
Replacement Filters (Pk 5)	139-1657	

BVX-101 Fume Extraction System



With Flexible Arm attached



- Single-user system with multi-user power for thorough, effective fume extraction
- No installation means easy set-up and relocation
- Small, space-saving footprint.
- Bi-Coloured LED to indicate blocked filters

Over 500 000 products available online



- Unique blower design provides quiet operation
- Efficient arm or plenum applications provide flexibility in fume extraction - The flexible arm part (hose) can be removed
- 300mm wide opening (plenum) on the front
- Flexible arm (hose) length: 600mm

Static Pressure	1250 Pa	Dimensions (HxWxD)	290x300x230mm
Flow Rates	85m³/h With HEPA Filter	Voltage	100 - 240 Vac
Noise Level	55dBA	Frequency	47 - 440Hz
Weight	9kg	Power	85W

Description	Pack	List No.	Order Code	Price Per Pack
Fume Extraction System	1	BVX-101	495-0495	
Replacement Accessories				
Pre Filter	5	FP-BVX	495-1384	
Main Filter (Combined HEPA/gas)	1	FM-BVX	495-1396	
Flexible Arm/Hose (ESD Safe)	1	BVX-ARM	495-1402	

BVX-201 Fume Extraction System



Extraction Unit with 2 Flexible Arms, 1.2m, Pre-HEPA-Gas
802-6181
(Bench not supplied)



802-6190
Extraction Unit for 2 Stations, Pre-HEPA-Gas



802-6211
1 x BVX Arm (600mm) with 1.83m Hose and Table Bracket

● **Two Station Design for Dynamic Fume Extraction**

The BVX-201 fume extraction system is a two-arm unit that combines powerful fan performance with efficient filtration, quiet operation and complete portability. It can be placed under, or next to the bench-top and fitted with either two 50mm diameter BVX arms or one Omniflex arm. Designed mainly for solder fumes and incorporates both pre and main filters which can be changed independently to maximise the working life of each filter. The main filter has a HEPA efficiency greater than 99.5%, plus an activated carbon filter to remove additional gases.

Contents of the BVX-201 Kit (802-6181): Extraction unit with 2 flexible arms, (1.2m long), Pre, HEPA and Gas filters

Static Pressure	850 Pa (3.5" WC)	Weight	9kg
Fan Capacity	250m³/h	Dimensions (HxWxD)	388x508x254mm
Flow Rate (With Filter)	2 x 75m³/h	Voltage	100-240 Vac 50/60Hz
Noise Level	<55dBA		

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Description	Pack	Mfrs. List No.	Order Code	Price Per Pack
Extraction Unit with 2 Flexible Arms, 1.2m, Pre-HEPA-Gas	1	BVX-201-KIT	802-6181	
Replacement Accessories				
Extraction Unit for 2 Stations, Pre-HEPA-Gas	1	BVX-201	802-6190	
Flexible Arm ESD Safe, 1.22m with Nozzle	1	BVX-ARML	802-6203	
1 x BVX Arm (600mm) with 1.83m Hose and Table Bracket	1	BVX-ARM-K1	802-6211	
Pre-Filter (Pk of 5)	5	FP-BVX200	802-6220	
Main Filter, HEPA 99.95% Carbon	1	FM-BVX200	802-6238	
Deep Bed Gas Filter	1	FG-BVX200	802-6246	

BVX-208 Fume Extraction System
Up to 8 Stations



101-0138
Extraction Unit for up to 8 Stations



Iron Adaptor Kit for OKI MX, SP200, PS800 and Weller WS (Iron not included)



BTX Duct Connection Kits

1010146 - Spring, Stand Adaptor Kit, Weller

The BVX-208 fume extraction system is a tip extraction unit with a high vacuum blower motor and a capacity for up to eight workstations. The unit's universal hose connection kit provides maximum flexibility and eliminates the need for a traditional layout and design of tip extraction ducting. The compact design and easy set-up make it truly portable.

Designed mainly for solder fumes and incorporates both pre and main filters which can be changed independently to maximise the working life of each filter. The main filter has a HEPA efficiency greater than 99.97%, plus an activated carbon filter to remove additional gases.

- Eight station design for dynamic fume extraction
- High performance extraction of solder fumes directly from the tip of the hand soldering iron
- Designed for under-bench installation
- Ducting system offers a simple, flexible low cost solution for faster configuration of tip extraction installations

Contents of the BVX-208 Kit (101-0138): Extraction unit, Pre, HEPA and Gas filters, adaptor for hose

Note: DS03-902 has a tube, hose, metal clip and S clip - The DS03-929, DS03-930 and DS03-931 have a tube, plastic clip, hose and S clip

Max. Number of Stations	8	Weight	9kg
Flow Rate (With Filter)	28 l/min	Dimensions (HxWxD)	388x508x254mm
Noise Level	<55dBA	Voltage	100-240 Vac 50/60Hz

Accessory - BTX Connection Kit Contents		
Item	Description	BTX-CK4-75 101-0140
Max number of Stations when using 5.6mm Tubes	In-Line	4
	Back to Back	8
		Qty
1	Flexible Hose ø32mm	7.5m
2	Coupling with two Glands 5.6mm	4
3	End Plug	2
4	T-Piece Connector for 35mm Hose	1
5	Duct Clip (32mm)	5
6	Roll of Vinyl Tape	1

The maximum number of Stations is only one half of the above rating when using 8mm tubes

417139

Description	Mfrs. List No.	Order Code	Price Each
Extraction Unit	BTX-208	101-0138	
Accessories			
Hose Connection Kit (1-8 Stations)	BTX-CK4-75	101-0140	
Fume Extraction Iron Adaptor Kit (Universal)	AC-FX1	160-9134	
Universal Clip for AC-FX1	BTX-UC01	160-9135	
Iron Adaptor Kit (OKI MX and Weller WS)	DS03-929	101-0143	
Iron Adaptor Kit (OKI SP200)	DS03-930	101-0144	
Iron Adaptor Kit (OKI PS800)	DS03-931	101-0145	
Spring, Stand Adaptor Kit (Weller)	DS03-902S	101-0146	
Replacement Accessories			
Main Filter, HEPA 99.95% Carbon	FM-BVX200	802-6238	
			Price Per Pack
Pre-Filter (Pk of 5)	FP-BVX200	802-6220	

Over 500 000 products available online



Fume Extraction Systems - continued

Fume Extraction Kit - Arm Evac 50



- Features operator adjustable airflow and quiet operation
- Wide variety of filters available to suit a wide variety of applications
- Portable and cost effective bench top fume extractor
- Provides a wide area fume extraction or highly efficient source capture at two points using the optional arm attachment

Power requirements 115 or 230VAC, 50/60HZ
 Dimensions 215 x 330 x 315 (HxWxD mm)
 Weight 6Kg
 Noise level 54dBA
 No. of inlets One laminar flow, plenum inlet
 Flow rate Adjustable: 152m³/h (90cfm) max with Plenum
 One arm adjustable: 84.5 m³/h (45 cfm) max
 Two arms adjustable: 60 m³/h (30 cfm) max per arm

234762

Description	Mfrs. List No.	Order Code	Price Each/Pack
Accessories			
Dual Arm Attachment	8886-0055	392-4877	
Standard filter	8883-0280	392-4865	
Pre filter (Pack of 5)	8883-0125-P5	392-4853	
CleanRoom filter	8883-0290	NEW 177-5294 ●	
Adhesive filter	8883-0295	NEW 177-5295 ●	

Fume Extraction Kit - Arm Evac 200



- Reduces health risks
- Compact and self contained
- Efficient 3 stage filter
- Easy filter access
- Includes pre filter and general purpose HEPA/GAS filter
- Heavy duty brushless motor
- High volume air flow
- Expansion kit for upgrade to two workstations available
- Supplied with both UK and European mains leads

Expansion Kit

- Arm Evac 200 Fume Extraction Unit
- 75mm flex arm with fume scoop
- Flex Arm bench mounting bracket
- 2.5m flexible hose

Contents (kit)

- 75mm flex arm with fume scoop
- Flex Arm bench mounting bracket
- 2.5m flexible hose

Airflow 288m³/h
 Dimensions (W D H) 280 x 330 x 395 mm
 Weight 14 kg
 Noise 59 dBA @ 2m (6')

212624

Description	Order Code	Price Each
Fume Extraction Kit	322-8459	
Expansion Kit	322-8460	
Accessories		
75mm Extension Arm	NEW 177-5296 ●	

45mm Stainless Steel Flex Arm



- Designed for use with ArmEvac 200
- Fitted with fume scoop
- Static safe
- Rugged stainless steel construction
- Optional bench mounting bracket available



212625

Description	Order Code	Price Each
45mm Stainless Steel Flex Arm	181-3471 ●	

Fume Extraction Spares - Arm Evac 200



Price Each

Order Code	Price Each
Pre Filters (Pk Qty 5)	322-8514
General Purpose Filter (HEPA/GAS)	322-8526

WFE 2 Kit 2



- Supply voltage 230V / 50Hz
- Dimensions 320 x 320 x 395 mm (L x W x H)
- Power input 275 VA
- Noise level 48db(A) at 1 m
- Extraction rate 230 Cu/M per hour
- Max vac 2700Pa
- Variable speed motor
- Red/green LED filter condition indicator
- RS232 port for remote control from PC
- Filter fine dust filter grade F5
- Combined HEPA filter grade H13 and wide band gas filter
- Will remove 99.95 % of particles down to 0.3 micron

For assembly, rework, service and laboratory applications. The Weller WFE fume extraction kit comes ready for use and provides volume fume extraction capability for 2 workstations. The unit has an easily replaceable 3 stage filter system consisting of a prefilter and combined broad band gas and active charcoal filter. A red/green LED display states the condition of the filter. An electronically controlled, maintenance free variable speed pump drives the unit and at maximum speed produces an airflow rate of 230 cu.m/h at a vacuum of 2700 Pa.

Filter: Prefilter F5
 Combined submicron filter class H13 and broad band gas filter (50% active carbon, 50% Puratex)
 Dimensions: 320mm x 320mm x 395mm (L x W x H)
 Weight: 19Kg
 Max. Vacuum: 2700 Pa
 Max. Airflow: 230m³/h

Contents:

- Extraction unit WFE 2S
- Two x 60mm extraction arm kits, each consisting of:
 Extraction Arm
 Sloped Nozzle
 Stop Valve
 Bench mounting Brackets
 Three metre length of extraction hose

240953

Description	Mfrs. List No.	Order Code	Price Each/Pack
WFE 2 Kit 2	0053645389	NEW 168-9000 ●	
Spares			
60mm Funnel Nozzle	0053657399	NEW 167-6543 ●	
60mm Sloped Nozzle	0053657799	NEW 167-6545 ●	
60mm Sloped Arm Kit	0053657299	NEW 167-6542 ●	
60mm Funnel Arm Kit	0053657199	NEW 167-6548 ●	
60mm Exhaust Head	0058735845	NEW 170-1321 ●	
60mm Articulated Sloped Arm Kit	0053657999	NEW 167-6549 ●	
60mm Hose (1m length)	0058735427	NEW 167-6551 ●	
60/50 Adaptor	0058762750	NEW 167-6552 ●	
Intake stack	0058735847	415-4885	
Filter, main	0058735883	415-4939	
Filter, Pre (Pk 10)	0058735884	415-4940	

WFE2ES Fume Extraction System



- Comprises:
- WFE 2ES volume fume extraction unit with filter system
 - One extraction arm kit consisting of:
 60mm Extraction Arm
 Funnel Nozzle
 Stop Valve
 2 bench mounting clamps
 3 metre length of extraction hose

- Supply voltage 230V / 50Hz
- Dimensions 320 x 320 x 395 mm (L x W x H)
- Power input 115 VA
- Noise level 52db(A) at 1 m
- Extraction rate 220 Cu/M per hour
- Max vac 1800Pa
- Filter fine dust filter grade F5
- Combined HEPA filter grade H12 and wide band gas filter
- Will remove 99.5 % of particles down to 0.3 micron
- Can be upgraded to a 2 point extraction unit by the addition of an extra arm kit

The WFE 2ES is a powerful and economic volume extraction system which will support up to 2 workstations. Ideally suited to applications involving solder baths, hot air soldering, hand soldering and gluing work, this system will safely and efficiently remove from the workplace, the increased levels of air-borne pollutants produced when using lead free solder.

Filter:	F5 fine dust filter	Max. Vacuum:	1800 Pa
	H12 HEPA filter plus wide band gas filter	Max. Airflow:	220m ³ /h

475167

Description	Mftrs. List No.	Order Code	Price Each
Fume Extraction Kit	0053651689	NEW 168-8999	
Fume Extraction Unit	WFE 2ES	137-8428	
60mm Funnel Arm Kit	0053657199	167-6548	
Filter Set (1 x H12, 10 x F5 Pre-Filters)	0058762701	137-8432	
F5 Fine filter for WFE 2ES (Pack of 10)	0058762703	137-8433	

WFE 2X Fume Extraction System



The WFE 2X is a fume extraction unit suitable for applications with a high demand for gas and particle filtration, e.g. soldering, adhesives, clean room work and laser. It can be placed on a trolley and be moved easily between different work places. Variable speed and alarm function for filter exchange can be sent via remote control. For applications which produce a large quantity of particles, e.g.

lead-free soldering, an external pre-filter can be fitted to increase the lifetime of the main filter.

- Mobile fume extraction unit purifies air at up to 2 work stations
- Electronic filter control and easy filter exchange
- Wireless remote control with alarm function
- Extra noise damped metal housing
- Quick and simple installation
- Minimized foot print
- Switching power supply fits for all global voltages
- Optimized lifetime filter

WFE 2X Kit 1 Contents:

- WFE 2X Unit
- 60mm Funnel Arm Kit

WFE 2X Kit 1S Contents:

- WFE 2X Unit
- 60mm Articulated Sloped Arm Kit

526766

Description	Mftrs. List No.	Order Code	Price Each
WFE 2X Unit Only	0053658899	167-6547	
WFE 2X Kit 1	0053658999	167-6541	
WFE 2X Kit 1S	0053658799	167-6555	
Accessories			
60mm Funnel Nozzle	0053657399	167-6543	
60mm Sloped Nozzle	0053657799	167-6545	
60mm Sloped Arm Kit	0053657299	167-6542	
60mm Funnel Arm Kit	0053657199	167-6548	
60mm Exhaust Head	0058735845	170-1321	
60mm Articulated Sloped Arm Kit	0053657999	167-6549	
60mm Hose (1m length)	0058735427	167-6551	
60/50 Adaptor	0058762750	167-6552	
WFE 2X Remote Control	0053659399	167-6553	
WFE 2S Remote Control	0058735909	167-6554	
H13 Compact Filter	0053659099	167-6550	
F7 Fine Filter (Pack of 10)	0058735885	167-6546	

Fume Extraction Irons



FE75



FE80

- A range of fume extraction irons

FE75

- Soldering pencil 24V/80W
- Uses LT series tips

Consists of: Iron, Funnel, LT-B Tip, Cylinder Brush

FE80

- Soldering iron 24V/80W
 - Uses HT series tips
- Consists of: Iron, Funnel, HT-2 Tip, Cylinder Brush, Wrench 10/14mm

212627

Mftrs. List No.	Order Code	Price Each
FE75	125-6924	
FE80	322-5562	

Bench Holder - KH23



- Suitable for FE25, FE50, FE50M, FE50MAS and FE80 with fume extraction

212636

Order Code	Price Each
841-419	

Fume Displacement Unit



- Designed to remove soldering fumes away from the operator and the immediate working area
- High capacity recirculating fan
- Dispatches 94.1cu ft/min
- Activated charcoal impregnated filter

Note: The unit is supplied with an IEC mains inlet and requires the addition of a suitable plug and lead as listed below.

212524

Description	Order Code	Price Each
Fume displacement unit	501-529	
Filter (Pack of 2)	133-8562	
Filter type 120 x 120	501-530	

Pick and Place

Portable Vacuum Pick-Up Tool



- For use with static sensitive components
- Easily handles small flat parts with a touch of a button
- Ideal tool for the handling of SMDs and other delicate components
- Self-contained vacuum. No hoses and batteries required
- Storage for the probes and cups in the handle (132mm)
- The hand-held SMD vacuum pick up tool is ideal for picking up and moving large or small electronic components
- Lightweight, portable and suitable for the picking and placing of small components weighing up to 50 grams and having a flat surface, DIL packages and surface mount components, etc. And its new high-power probes have longer holding action
- Supplied with 3 angled and 3 straight pick-up hands with a choice 4mm, 6mm or 10mm cap diameters

494373

Description	Order Code	Price Each
Vacuum Pick-Up Tool	151-6350	

De-Soldering Braid

Solda-Mop



For desoldering electronic joints and electrical connections quickly, safely and efficiently. Solda-Mop is a specially impregnated wick and when solder becomes molten it is immediately drawn up into Solda-Mop leaving a clean joint ready for resoldering. It usually requires only one second to efficiently desolder a joint or connection. Solda-Mop eliminates "flux spatter" and damage to components through excessive heat which occurs with the old method. Board may then be cleaned with Servisol "Aero-Klene".

De-Soldering Braid - continued

Solda-Mop - continued

Width	Length	Order Code	Price Each
0.8mm	1.5m	475-4256	
1.5mm	1.5m	475-4268	
2.5mm	1.5m	475-4293	
2.5mm	10m	475-4300	

'No-Clean' Green Label Soldamop



- Manufactured using high purity oxygen free and oil free fine gauge copper wire
- Impregnated with a special 'No-Clean' flux to improve the wicking action of the braid
- Residue left behind is halide free and non-conductive
- Significant Health & Safety benefits
- Faster desoldering

Width	Length	Order Code	Price Each
0.8mm	1.5m	475-4323	
1.5mm	1.5m	475-4335	
1.5mm	10m	475-4347	
2.5mm	1.5m	475-4360	
2.5mm	10m	475-4372	

Soder-Wick® Lead Free SD Desoldering Braid



A fast, safe desoldering braid specifically for use with lead free applications.

- Engineered specifically for high temperature, lead-free solders
- Transfers heat to the solder joint more quickly and efficiently than conventional desoldering braids
- Specifically designed for all lead-free solders
- Can also be used with Tin/Lead solders
- Soder-Wick® Lead-Free packaged in ESD-safe static dissipative bobbins
- Minimises the risk of damage associated with static electricity
- Non-corrosive ultra high purity no-clean flux
- Will not leave ionic contamination on the boards

- Especially effective at removing residual solder from SMT pads
- RoHS Compliant
- Patent Pending
- Available individually or in a VacuPak™ vacuum sealed can which contains 10 bobbins with 1.5m of braid on each bobbin

Size	Width	Application
2	1.5mm	Small parts, SMDs
3	2.0mm	Medium pads
4	2.8mm	Large pads

Mfrs. List No.	Width (mm)	Length (m)	Pack	Order Code	Price Per Pack
Singles					
40-2-5	1.5	1.5	1	959-9479	
40-3-5	2.0	1.5	1	959-9487	
40-4-5	2.8	1.5	1	959-9495	
40-2-10	1.5	3	1	959-9509	
40-3-10	2.0	3	1	959-9517	
40-4-10	2.8	3	1	959-9525	
VacuPak™ of 10 Bobbins					
SW14025	1.5	10		959-9533	
SW14035	2.0	10		959-9541	
SW14045	2.8	10		959-9550	

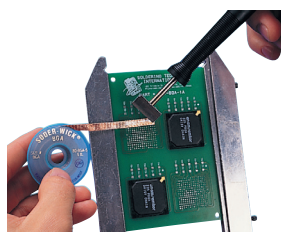
Soder-Wick® Desoldering Braid



- Manufactured by industry leader through patented process
- Open weave design offers optimal heat transfer and quicker wetting
- Soder-Wick® No Clean SD braid features non corrosive halide free low solids flux
- Soder-Wick® Rosin SD braid flux is non corrosive, and will not contaminate board
- Packed on individual static dissipative bobbins
- VacuPak™ contains 10 bobbins sealed in an inert gas blanket
- Resealable to keep braid fresh until used

Mfrs. List No.	Width (mm)	Length (m)	Order Code	Price Each
Solder-Wick No Clean SD (Singles)				
6015	0.9	1.5	559-866	
6025	1.5	1.5	559-878	
6035	1.9	1.5	559-880	
6045	2.8	1.5	559-891	
6055	3.9	1.5	559-908	
6065	5.3	1.5	967-531	
60110	0.9	3	860-670	
60210	1.5	3	860-682	
60310	1.9	3	860-694	
60410	2.8	3	860-700	
60510	3.9	3	860-712	
Solder-Wick Rosin SD (Singles)				
8015	0.9	1.5	559-969	
8025	1.5	1.5	559-970	
8035	1.9	1.5	559-982	
8045	2.8	1.5	559-994	
8055	3.9	1.5	560-005	
8065	5.3	1.5	967-543	
80110	0.9	3	860-724	
80210	1.5	3	860-736	
80310	1.9	3	860-748	
80410	2.8	3	860-750	
80510	3.9	3	860-761	
10 Per Tin				
Solder-Wick No Clean SD (VacuPak™)				
SW16015	0.9		957-150	
SW16025	1.5		957-161	
SW16035	1.9		957-173	
SW16045	2.8		957-185	
Solder-Wick Rosin SD (VacuPak™)				
SW18015	0.9		957-203	
SW18025	1.5		957-215	
SW18035	1.9		957-227	
SW18045	2.8		957-239	
SW18055	3.9		957-240	

Soder-Wick® BGA Desoldering Braid



- Effective and economical method for removal of solder from BGA pads and chips
- Soder-Wick® No Clean BGA Braid flux provides quick and clean desoldering
- Soder-Wick® BGA Rosin optimized rosin flux content allows fast, thorough solder removal
- Does not damage circuit board surfaces or components
- Packed in dissipative bobbins, 1.5m lengths

Mfrs. List No.	Order Code	Price Each
Singles		
BGA No Clean	60BGA-5	892-075
BGA Rosin	80BGA-5	892-087

Solder Sucking Wick - 'No Clean'



- Flexible copper braid designed for desoldering
- Impregnated with synthetic flux, removing the need for cleaning
- 1.5m lengths are packed on anti-static reels
- Wick is inherently anti-static, so lengths cut from larger reels can be used in anti-static environments

Width (mm)	Length (m)	Mfrs. List No.	Order Code	Price Each
Anti-Static				
1.5	1.5	NC-AA	252-487	
2.2	1.5	NC-AB	252-499	
2.7	1.5	NC-BB	252-505	
Non-Anti-Static				
1.5	30	NC-AA30M	609-377	
2.2	3	NC-AB30M	609-389	

212667

Desoldering Braid

AREXX

ESD free



- Free oxygen copper braid
- The ABS holder and the metal tip are non magnetic and ESD free
- Free washing no clean formula Flux
- Less braid waste
- User-friendly and ergonomic dispenser
- AW-100 with black dispenser, AW-200 with yellow dispenser

525141

Description	Mfrs. List No.	Order Code	Price Each
Desoldering braid, 2m x 2.6mm	AW-100	166-1554	
Desoldering braid, 2m x 1.7mm	AW-200	166-1555	

Solder - Stick/Bar

Stick Solder



Approximate pack weight = 1kg

- 60/40 tin/lead solder stick
- Low impurity content
- Improved wetting
- Increased life of solder in the bath
- Starts melting at 183°C, fully molten at 215°C
- Produced to EN29453 grade KP under BS5750 Part 1
- Ideal for use in small solder baths
- Approx. 18 sticks per pack

212535

Price Per Pack

Order Code

629-510

High Purity Extruded Solid Bar



- 60/40 high purity solder bar
- Ideal for printed circuit soldering machines, baths and pots
- Polythene protected

Approximate weight=500grams

212674

Price Each

Order Code

419-539

Solder Bar, Lead Free



- For solder bath
- Suitable for dip, selective and wave soldering
- To EN 29453 / 61190-1-3
- Size: Approx. 310x16x5mm

409100

Alloy	Melting Point	Weight approx. (kg)	Order Code	Price Each
Sn99Cu1	227°C	1	840-0458	
Sn95.5Ag3.8Cu0.7	217°C	1	840-0466	

Triangular Stick Solder, Lead Free



- For solder bath
- Suitable for dip, wave and selective soldering
- To EN 29453 / 61190-1-3
- Size: approx. 11x11x11x440mm

378360/436422

Alloy	Melting Temperature	Weight ca. (g)	Order Code	Price Each
Sn97.0Cu3.0	230-250°C	200	840-0407	
Sn99.0Cu1.0	227°C	200	840-0415	
Sn95.5Ag3.8Cu0.7	217°C	200	840-0431	
Sn96Ag4	221°C	200	840-0440	

Solder Wire - Tin/Lead, Rosin Flux Cored

60/40 Alloy Rosin Flux



- Contains multiple cores of rosin based flux
- Amber coloured (rosin) residues do not require cleaning
- For all general purpose electronic assembly and re-work applications

Alloy	Melting Temperature	60/40 (60% Tin, 40% Lead)	Tip Temperature (Approx.)	308°C
	180°C			

338624

Weight	Wire Diameter	Order Code	Price Per Reel
250g Reels	0.5mm	507-1057	
	0.7mm	507-1069	
	0.9mm	507-1070	
500g Reels	1.2mm	507-1082	
	0.7mm	507-1100	
	0.9mm	507-1112	
	1.2mm	507-1124	

60/40, 40/60 Alloy



60/40 Alloy, 362 Rosin Flux

- Contains five cores of mildly activated, non-corrosive "362" rosin based flux
- Amber coloured (rosin) residues do not require cleaning
- 60% Tin (Sn), 40% Lead (Pb) Alloy
- 180°C melting temperature (tip temperature approximately 308°C)
- For all general purpose electronic assembly and re-work applications

mm	Length m	Order Code	Price Per Reel
250g Reels			
1.0	44	453-584	
1.22	30	419-266	
0.91	54	419-278	
0.71	89	419-280	
0.56	144	419-291	
0.46	216	419-308	
500g Reels			
1.63	34	419-310	
1.5		453-572	
1.22	61	419-321	
1	87	453-596	
0.91	107	419-333	
0.71	178	419-345	
0.56	289	419-357	
2.5Kg Reels			
2.03	110	419-369	

40/60 Alloy, 362 Rosin Flux

- Contains five cores of mildly activated, non-corrosive "362" rosin based flux
- Amber coloured (rosin) residues do not require cleaning
- 40% Tin (Sn), 60% Lead (Pb) Alloy
- 234°C melting temperature (tip temperature approximately 354°C)
- Ideal for general soldering of electronic, television, radio and electronic equipment where higher melting point solder wire is required

Solder Wire - Tin/Lead, Rosin Flux Cored - continued

60/40, 40/60 Alloy - continued

60/40 Alloy, 362 Rosin Flux - continued

Length Mftrs.		Price Per Reel	
mm	(m)	List No.	Order Code
500g Reels			
2.03	20	D4014	419-412▲
1.63	32	D4016	419-424▲

"Savbit" Alloy, 362 Rosin Flux



- Contains five cores of mildly activated, non-corrosive "362" rosin based flux
- Special alloy contains a precise trace of copper to offset tip erosion - extends tip life significantly
- Amber coloured (rosin) residues do not require cleaning
- 215°C melting temperature (tip temperature approximately 335°C)
- For all general purpose electronic assembly and re-work applications

Dia.		Length Mftrs.		Price Per Reel	
mm	(m)	List No.	Order Code		
2.3m Coil					
1.22	2.3	NO.5	419-448▲		
500g Reels					
1.22	57	DS18	419-450▲		
0.71	170	DS22	419-461▲		

60/40 Alloy, High Activity Rosin Flux



- Contains multiple cores of high activity rosin based flux
- Pale coloured residues do not require cleaning
- Extra wetting ability for faster soldering
- For all general purpose electronic assembly and rework applications

Alloy	60/40 (60% Tin, 40% Lead)	Melting Temperature	180°C
Flux Type	309, Rosin based	Tip Temperature (Approx.)	308°C
Price Per Reel			
339050			
Weight	Wire Diameter	Order Code	
250g Reels	0.5mm	509-0519▲	
	0.7mm	509-0520▲	
	0.9mm	509-0532▲	
	1.2mm	509-0544▲	
500g Reels	0.7mm	509-0568▲	

60/40 Alloy, 309 Rosin Flux



- Contains five cores of Halide-free, non-corrosive "309" rosin based flux
- Pale coloured residues do not require cleaning
- Extra wetting ability for faster soldering
- For all general purpose electronic assembly and rework applications

Alloy	60/40 (60% Tin, 40% Lead)	Melting Temperature	180°C
Flux Type	309, Rosin based	Tip Temperature (Approx.)	308°C
Price Per Reel			
339060.344680			
Weight	Wire Diameter	Order Code	
250g Reels	0.5mm	509-0787▲	
	0.7mm	509-0799▲	
	0.9mm	509-0805▲	
	1.2mm	509-0817▲	
500g Reels	0.7mm	509-0830▲	
	0.9mm	509-0842▲	
	1.2mm	509-0854▲	

SMART Alloy, Sn62 Crystal 505



- Specially designed for Surface Mount and Related Technology applications
- Multicores of mildly activated, non-corrosive "505" rosin based flux
- Minimal amber coloured (rosin) residues do not require cleaning
- 62% Tin (Sn), 36% Lead (Pb), 2% Silver (Ag) Alloy
- Silver loaded alloy to minimise silver leaching from component terminations
- 179°C melting temperature (tip temperature approximately 320°C)

- Fine diameter (0.46mm/26swg) - suitable for most SMT assembly, or rework
- 250g Reel

Mftrs.	Price Per Reel
List No.	Order Code
SMART 26	419-503▲

Solder Wire - Tin/Lead, No Clean Flux Cored

60/40 Alloy, No-Clean Flux



- Halide free (Zero activation) flux formulation
- Flux content 2.2% by weight - low fuming and low spitting
- Minimal clear residues do not require cleaning
- Suitable for general no-clean assembly, or rework of PCBs assembled in a no-clean process or that have already been cleaned

Alloy	60/40 (60% Tin, 40% Lead)	Tip Temperature (Approx.)	308°C
Melting Temperature	180°C		
Price Per Reel			
338627			

Weight	Wire Diameter	Order Code	
250g Reels	0.5mm	507-1136▲	
	0.7mm	507-1148▲	
	0.9mm	507-1150▲	
	1.2mm	507-1161▲	
500g Reels	0.7mm	507-1185▲	

60/40 Alloy, X39 No-Clean Flux



- Halide free (Zero activation) flux formulation
- Low flux content (1% by weight) - low fuming and low spitting
- Minimal clear residues do not require cleaning
- 60% Tin (Sn), 40% Lead (Pb) Alloy
- 180°C melting temperature (tip temperature approximately 308°C)

- Flux residues meet reliability requirements of Bellcore and IPC Class 3 specifications
- Suitable for high solderability assembly, or rework of PCBs assembled in a no-clean process, or that have already been cleaned

Dia.		Length		Price Per Reel	
mm	(m)	Order Code			
X39, 250g Reels					
1.22mm	61	289-851▲			
0.71mm	89	289-840▲			
X39, 500g Reels					
1.22mm	61	289-851▲			
0.71mm	178	289-863▲			

60/40 Alloy, Mildly Activated No-Clean Flux



- Mildly activated (0.5%) flux formulation
- Flux content 3% by weight - low fuming and low spitting
- Minimal clear residues do not require cleaning
- Suitable for general assembly or rework of PCBs

Alloy	60/40 (60% Tin, 40% Lead Alloy)	Tip Temperature (Approx.)	308°C
Melting Temperature	180°C		
Price Per Reel			
338629			

Weight	Wire Diameter	Order Code	Price Per Reel
250g Reels	0.5mm	507-1215▲	
	0.7mm	507-1227▲	
	0.9mm	507-1239▲	
	1.2mm	507-1240▲	
500g Reels	0.7mm	507-1264▲	
	1.2mm	507-1288▲	

60/40 Alloy, No-Clean Flux



60/40 Alloy, 400 No-Clean Flux

- Halide free (Zero activation) flux formulation
- Increased flux content compared to X39 (2.2% by weight) - low fuming and low spitting
- Minimal clear residues no not require cleaning
- 60% Tin (Sn), 40% Lead (Pb) Alloy
- 180°C melting temperature (tip temperature approximately 308°C)

- Flux residues meet reliability requirements of Bellcore and IPC Class 3 specifications
- Suitable for general, no-clean assembly, rework of PCBs assembled in a no-clean process, or PCBs that have already been cleaned

60/40 Alloy, 505 No-Clean Flux

- Mildly activated (0.5%) flux formulation
- Increased flux content compared to X39 and 400 (3% by weight) - low fuming and low spitting
- Minimal clear residues no not require cleaning
- 60% Tin (Sn), 40% Lead (Pb) Alloy
- 180°C melting temperature (tip temperature approximately 308°C)
- Suitable for general assembly or rework of PCBs

60/40 Alloy, 511 No-Clean Flux

- Mildly activated (1.1%) flux formulation
- 3% flux content (by weight) - low fuming and low spitting
- High wetting ability - good spread on copper, brass and nickel - for fast soldering
- Minimal clear residues no not require cleaning
- 60% Tin (Sn), 40% Lead (Pb) Alloy
- 180°C melting temperature (tip temperature approximately 308°C)
- Suitable for general assembly, or rework

212520

60/40 Alloy, 400 No-Clean Flux		Price Per Reel
250g Reels	Order Code	
0.71mm	609-961▲	
500g Reels		
0.91mm	609-973▲	
0.71mm	609-985▲	
60/40 Alloy, 505 No-Clean Flux		
500g Reels		
0.91mm	329-4160▲	
0.71mm	329-4158▲	
60/40 Alloy, 511 No-Clean Flux		
250g Reels		
0.91mm	609-997▲	
0.71mm	610-008▲	
500g Reels		
0.91mm	610-010▲	
0.71mm	610-021▲	

60/40 Alloy, X52 No-Clean Flu



- High activity flux formulation for fast soldering
- Non-corrosive - residues do not require cleaning
- 1% flux content (by weight) - low fuming and low spitting
- 60% Tin (Sn), 40% Lead (Pb) Alloy
- 180°C melting temperature (tip temperature approximately 308°C)
- Suitable for general assembly, or rework in a no-clean assembly process

212558

Dia.	Order Code	Price Per Reel
250g Reels		
1.22mm	904-533▲	
0.71mm	904-545▲	
500g Reels		
1.22mm	904-557▲	
0.71mm	904-569▲	

60/40 Alloy, 105 Colophony Free Flux



- Colophony free fully synthetic flux (no rosin or modified rosin) - non corrosive formulation
- Complies with HSE colophony-free recommendations
- High activity - fast and sustained soldering on copper and brass
- Distinctive low odour to distinguish from rosin products
- 60% Tin (Sn), 40% Lead (Pb) Alloy
- 180°C melting temperature (tip temperature approximately 308°C)
- Suitable for general assembly, or rework processes - operationally and aesthetically similar to traditional rosin fluxes

338575

Wire Diameter	Weight	Order Code	Price Per Reel
0.7mm	250g	454-072▲	
1mm	500g	453-614▲	

Solder Wire - High & Low Melting Point

Low & High Melting Point



Low Melting Point (LMP)

- Slightly lower melting point than standard 60/40 solder
- 62% Tin (Sn), 36% Lead (Pb), 2% Silver (Ag) Alloy
- 2% silver content prevents leaching and the formation of brittle joints during soldering of silver and gold plated surfaces
- 179°C Melting temperature (tip temperature approximately 299°C)

High Melting Point (HMP)

- Suitable for high working temperature applications (electric motors etc)
- Can also be used for selective soldering of adjacent components (i.e. a HMP joint will not melt when an adjacent low temperature solder joint is created subsequently)
- 5% Tin (Sn), 93.5% Lead (Pb), 1.5% Silver (Ag) alloy
- 301°C Melting temperature (tip temperature approximately 421°C)

212673

Length Mftrs.		Price Per Reel	
mm	(m) List No.	Order Code	
Low Temperature 179°C			
250g Reels			
0.71mm	93	DLMP222	419-540▲
0.56mm	150	DLMP242	419-552▲
0.46mm	224	DLMP262	419-564▲
500g Reels			
1.22mm	63	DLMP	419-576▲
0.71mm	165	DLMP225	419-588▲
High Temperature 301°C			
500g Reels			
1.22mm	46	DHMP	419-590▲

Solder Wire - Lead Free

Characteristics of Lead-Free Soldering



Lead-free soldering is a requirement that is now mandatory throughout the EU. The legislation became effective in July 2006.

There are some important factors to note:

1. Compatibility

All soldered surfaces must be free of lead to begin with. This includes both the component and the PCB. Any lead contamination introduced to a lead-free solder joint will significantly reduce the reliability of the joint.

2. Temperature

All lead-free alloys melt at a higher temperature than traditional tin/lead alloys (60/40 tin lead is around 180° whereas 99C lead-free is around 227°C). This means that the soldering iron temperature may need to be increased and the temperature rating of both components and PCBs needs to be able to withstand these elevated temperatures. These increased temperatures also put greater demand on the flux and it may be necessary to opt for a higher solids content, or more active, flux if the soldering becomes difficult when using lead-free materials.

3. Inspection

Lead-free solder joints look a lot different to traditional tin/lead joints. The joints are usually quite dull, and the spread is less - resulting in quite steep contact angles at the perimeter of the solder joint where the solder meets the substrate. This does not mean the joint is faulty. Some studies have proven already that in fact a lead-free solder joint is even more reliable than an equivalent tin/lead joint.

4. Rework or Repair

It is essential that any repairs or rework be carried out using lead-free solder. This means it is necessary to be sure which solder has been used before attempting to rework it. Usually this is clearly marked on a module or PCB.

Solder Wire - Lead Free - continued

Characteristics of Lead-Free Soldering - continued

The alloys used in lead-free solder can vary depending on the application, but it is safe to use the 99C alloy (99.7% tin, 0.3% copper) for all lead-free hand soldering as this is compatible with all lead-free alloy options. A trace of silver is added to some lead-free solder pastes to assist with the wetting and joint formation during the rapid reflow phase of typical SMT assembly processes, but even re-working these joints is quite safe using the 99C alloy.

Further Assistance

For any further assistance or technical support, please contact your local technical sales team or refer to the website.

338612

Lead Free 97SC (SAC305), 309 Rosin Cored Solder wire



- Pale coloured residues do not require cleaning
- Mild odour
- Halide content < 1.0%
- Contains five cores of non-corrosive 309 Rosin based flux
- Complies with all lead-free legislative requirements

Lead Free (97SC) SAC305, 309 Rosin Cored Solder wire was developed in response to customer requests for a cored solder wire that will solder difficult surfaces (good spread on nickel, stainless steel, chromel, monel, constantin etc.) whilst leaving pale post soldering residues. Heat stable - low fuming with a mild odour.

Alloy: Lead Free, 96.5% Tin, 0.5% Copper, 3% Silver
 Flux Type: 309, Rosin based
 Melting Temperature: 217°C
 Tip Temperature (Approx.): 340°C - 420°C

443403

Wire Diameter	Order Code	Price Per Reel
0.5mm	125-7142	
0.7mm	125-7143	
1.0mm	125-7144	
1.2mm	125-7145	
1.6mm	125-7148	

Tools and Maintenance

37

Lead Free Alloy, Rosin Flux



- Lead free
- Contains multiple cores of rosin based flux
- Amber coloured (rosin) residues do not require cleaning
- For all general purpose lead-free electronic assembly and re-work applications
- Complies with all lead-free legislative requirements

Alloy: Lead Free 99.3% Tin, 0.7% Copper Alloy
 Melting Temperature: 227°C
 Tip Temperature (Approx.): 350°C

338630

Weight	Wire Diameter	Order Code	Price Per Reel
250g Reels	0.5mm	507-1290	
	0.7mm	507-1306	
	0.9mm	507-1318	
	1.2mm	507-1320	
500g Reels	0.7mm	507-1343	
	0.9mm	507-1355	
	1.2mm	507-1367	

Soldering

Lead Free (99C) Alloy, 362 Rosin Flux



- Lead free 99.3% Tin (Sn), 0.7% Copper (Cu) Alloy
- 227°C Melting point (tip temperature 350°C to 370°C)
- Contains five cores of mildly activated, non-corrosive "362" rosin based flux
- Amber coloured (rosin) residues do not require cleaning

- For all general purpose lead-free electronic assembly and re-work applications
- Complies with all lead-free legislative requirements

212688

Length	Price Per Reel
Dia. (m)	Order Code
250g Reels	
1.22mm 35	289-875
0.71mm 102	289-887
500g Reels	
1.22mm 70	289-899
0.71mm 205	289-905

Lead Free (99C) Alloy, 309 Rosin Flux



- Pale coloured residues do not require cleaning
- Extra wetting ability for faster soldering
- For all general purpose lead-free electronic assembly and re-work applications
- Complies with all lead-free legislative requirements

Alloy: Lead Free, 99.3% Tin, 0.7% Copper Alloy
 Flux Type: 309, Rosin based
 Melting Temperature: 227°C
 Tip Temperature (Approx.): 350°C - 370°C

339063.344681

Weight	Wire Diameter	Order Code	Price Per Reel
250g Reels	0.5mm	509-0866	
	0.7mm	509-0878	
	0.9mm	509-0880	
500g Reels	0.7mm	509-0910	
	0.9mm	509-0921	
	1.2mm	509-0933	

Lead Free Alloy, No-Clean Flux



- Halide free (Zero activation) flux formulation
- Low fuming and low spitting
- Minimal clear residues do not require cleaning
- Complies with all lead-free legislative requirements
- Suitable for high solderability, lead-free, no-clean assembly, or rework of PCBs assembled in a lead-free no-clean process or that have already been cleaned

PCBs assembled in a lead-free no-clean process or that have already been cleaned

Alloy: 99.3% Tin, 0.7% Copper
 Melting Temperature: 227°C
 Tip Temperature (Approx.): 350°C

338631

Weight	Wire Diameter	Order Code	Price Per Reel
250g Reels	0.5mm	507-1379	
	0.7mm	507-1380	
	0.9mm	507-1392	
500g Reels	1.2mm	507-1409	
	0.7mm	507-1422	
	0.9mm	507-1434	
	1.2mm	507-1446	

Lead Free (99C) Alloy, X39 No-Clean Flux



- Halide free (Zero activation) flux formulation
- Low flux content (1% by weight) - low fuming and low spitting
- Minimal clear residues no not require cleaning
- Complies with all lead-free legislative requirements
- Flux residues meet reliability requirements of Bellcore and IPC Class 3 specifications

- Suitable for high solderability, lead-free, no-clean assembly, or rework of PCBs assembled in a lead-free no-clean process or that have already been cleaned

Alloy: Lead Free, 99.3% Tin, 0.7% Copper Alloy
 Flux Type: X39, Rosin based, Halide free
 Melting Temperature: 227°C
 Tip Temperature (Approx.): 350°C - 370°C

339065.344682

Weight	Wire Diameter	Order Code	Price Per Reel
250g Reels	0.5mm	509-0945	
	0.7mm	509-0957	
	0.9mm	509-0969	
500g Reels	0.7mm	509-0994	
	0.9mm	509-1007	
	1.2mm	509-1019	

Lead Free Alloy, Mildly Activated No-Clean Flux



- Mildly activated no-clean flux formulation
- Increased flux content (3% by weight) - low fuming and low spitting
- Minimal clear residues do not require cleaning
- Complies with all lead-free legislative requirements

- Suitable for general lead-free, no-clean assembly, or rework of PCBs assembled in a lead-free no-clean process

Alloy Lead Free, 99.3% Tin, 0.7% Copper Alloy Melting Temperature 227°C
 Flux Type 505, Rosin based Tip Temperature (Approx.) 350°C - 370°C

339059

Weight	Wire Diameter	Order Code	Price Per Reel
250g Reels	0.5mm	509-0672	
	0.7mm	509-0684	
	0.9mm	509-0696	
	1.2mm	509-0702	
500g Reels	0.7mm	509-0726	
	0.9mm	509-0738	
	1.2mm	509-0740	

Lead Free Alloy, No-Clean Flux



New alloy: Tin (97.1%), Silver (2.6%), Copper (0.3%)



- Halide free flux formulation
- Contains 5 cores of flux
- Non-corrosive reliable flux residues
- Minimal clear residues do not require cleaning
- Complies with all lead-free legislative requirements
- Suitable for high reliability, lead-free, no-clean assembly, or rework of PCBs

assembled in a lead-free no-clean process

Alloy Sn97.1Ag2.6Cu0.3 Melting Temperature 217°C - 224°C
 Flux Type Mildly activated, no-clean Tip Temperature (Approx.) 350°C

416047

Weight	Wire Diameter	Order Code	Price Per Reel
250g Reels	0.5mm	101-5452	
	0.7mm	101-5453	
	1mm	101-5454	
	1.2mm	101-5455	
500g Reels	0.7mm	101-5456	
	1mm	101-5457	
	1.2mm	101-5458	

Lead-Free Alloy, High Activity Rosin Flux



- Contains multiple cores of rosin based flux
- Pale coloured residues do not require cleaning
- Extra wetting ability for faster soldering
- For all general purpose lead-free electronic assembly and re-work applications
- Complies with all lead-free legislative requirements

Alloy Lead Free, 99.3% Tin, 0.7% Copper Alloy
 Flux Type 511, Rosin based Melting Temperature 227°C
 Tip Temperature (Approx.) 350°C - 370°C

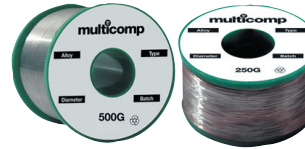
339057

Weight	Wire Diameter	Order Code	Price Per Reel
250g Reels	0.5mm	509-0593	
	0.7mm	509-0600	
	0.9mm	509-0611	
	1.2mm	509-0623	
500g Reels	0.7mm	509-0647	
	0.9mm	509-0659	
	1.2mm	509-0660	

Lead Free Alloy, Mildly Activated No-Clean Flux



New alloy: Tin (97.1%), Silver (2.6%), Copper (0.3%)



- Mildly activated no-clean flux formulation
- Contains 5 cores of flux
- Increased flux content (2.7% by weight) - low fuming and low spitting
- Minimal clear residues, do not require cleaning

- Complies with all lead-free legislative requirements
- Suitable for general lead-free, no-clean assembly, or rework of PCBs assembled in a lead-free no-clean process

Alloy Sn97.1Ag2.6Cu0.3 Melting Temperature 217°C - 224°C
 Flux Type Mildly activated, no-clean Tip Temperature (Approx.) 350°C - 370°C

416065

Weight	Wire Diameter	Order Code	Price Per Reel
250g Reels	0.5mm	101-5459	
	0.7mm	101-5460	
	1mm	101-5462	
	1.2mm	101-5463	
500g Reels	0.7mm	101-5464	
	1mm	101-5465	
	1.2mm	101-5466	

Lead Free Alloy, Rosin Flux



New alloy: Tin (97.1%), Silver (2.6%), Copper (0.3%)



- Lead free
- Contains one core of rosin based flux
- Amber coloured (rosin) residues do not require cleaning
- For all general purpose lead-free electronic assembly and re-work applications
- Complies with all lead-free legislative requirements

Alloy Sn97.1Ag2.6Cu0.3 Melting Temperature 217°C - 224°C
 Tip Temperature (Approx.) 350°C

416044

Weight	Wire Diameter	Order Code	Price Per Reel
250g Reels	0.5mm	101-5443	
	0.7mm	101-5444	
	1mm	101-5445	
	1.2mm	101-5446	
500g Reels	0.7mm	101-5447	
	1mm	101-5449	
	1.2mm	101-5451	

Lead-Free Alloy, High Activity Rosin Flux



New alloy: Tin (97.1%), Silver (2.6%), Copper (0.3%)



- Contains 5 cores of halide-activated rosin based flux
- Pale coloured residues do not require cleaning
- Extra wetting properties for faster soldering

- For all general purpose lead-free electronic assembly and re-work applications
- Complies with all lead-free legislative requirements

Alloy Sn97.1Ag2.6Cu0.3 Flux Type Halide-activated rosin-based flux
 Melting Temperature 217°C - 224°C
 Tip Temperature (Approx.) 350°C - 370°C

416070

Weight	Wire Diameter	Order Code	Price Per Reel
250g Reels	0.5mm	101-5467	
	0.7mm	101-5468	
	1mm	101-5469	
	1.2mm	101-5470	
500g Reels	0.7mm	101-5471	
	1mm	101-5472	
	1.2mm	101-5474	

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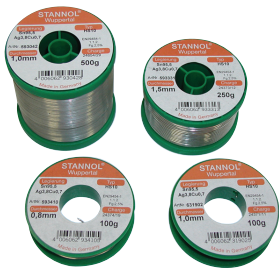
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Solder Wire - Lead Free - continued

Lead Free Solder Wire HS10, Alloy TSC



- **Sn95.5Ag3.8Cu0.7**: best choice for lead free electronics
- Proven in electronic manufacturing
- Lowest melting point of alloys with high tin content
- Eutectic alloy (exact melting point) 217°C
- Improved wetting
- Flux type 1.1.2. to DIN EN 29454-1 (F-SW26)



378300/436420

Wire Ø (mm)	Weight (g)	Order Code	Price per Reel
0.5	100	840-0270	
0.5	250	840-0288	
0.8	100	840-0296	
0.8	250	840-0300	
1.0	100	840-0318	
1.0	250	840-0326	
1.0	500	840-0334	
1.5	100	840-0342	
1.5	250	840-0350	

Crystal 309™ Lead-free Solder

99C 309 5C



- Standard 5-core solder combined with 99C lead-free alloy
- Compatible with most lead-free alloys and more economical
- Highly reliable, safe flux for all assembly and repair applications
- Rosin-based flux with excellent wetting properties on difficult substrates



- Amber-coloured residues can easily be removed with standard flux cleaners or left as additional protection for the solder joint
- Alloy: Tin (Sn 99.3%), Copper (Cu 0.7%)
- Melting point 217°C (Bit temperature: 350°C to 370°C)
- Classifications: EN29453, J-STD-006
- Supplied in 1mm and 1.20mm

423547

Wire Ø	Reel of	Order Code	Price Per Reel
1mm	500g	111-5465	
1.2mm	500g	111-5466	

Crystal 400™ Lead-free Solder

96SC 400 5C



- Standard 5-core solder combined with SAC387 lead-free alloy (96SC)
- Ideal for repairing lead-free assemblies and for hand soldering, guaranteed total compatibility with SMT soldered joints
- Regular and even flux distribution
- Halogen-free
- No Clean Flux, no cleaning
- Translucent residues
- Excellent wetting, increased flux content
- Alloy: Tin (Sn 95.5%), Silver (Ag 3.5%),



- Copper (Cu 0.7%)
- Melting point 217°C (Bit temperature: 350°C to 370°C)
- Classification: J-STD ROL0
- Supplied in 0.5mm, 0.70mm, 1mm

423540

Wire Ø	Reel of	Order Code	Price Per Reel
0.5mm	250g	111-5458	
0.7mm	500g	111-5459	
1mm	500g	111-5460	

Crystal 502™ Lead-free Solder

96SC 502 5C



- Standard 5-core solder combined with SAC387 lead-free alloy (96SC)
- Ideal for repairing lead-free assemblies or hand soldering, guaranteed total compatibility with SMT soldered joints
- Regular and even flux distribution
- Medium activity flux with good wetting characteristics on difficult substrates



- No Clean Flux, no cleaning
- Translucent residues
- Alloy: Tin (Sn 95.5%), Silver (Ag 3.5%), Copper (Cu 0.7%)
- Melting point 217°C (Bit temperature: 350°C to 370°C)
- Classification: J-STD ROM1
- Supplied in 0.5mm, 0.70mm, 1mm

423544

Wire Ø	Reel of	Order Code	Price Per Reel
0.5mm	250g	111-5461	
0.7mm	500g	111-5462	
1mm	500g	111-5463	

Crystal 511™ Lead-free Solder

96SC 511 3C



- Standard 3-core solder combined with SAC387 lead-free alloy (96SC)
- Ideal for repairing lead-free assemblies or for hand soldering, guaranteed total compatibility with SMT soldered joints
- Regular and even flux distribution
- High activity flux with excellent wetting characteristics on difficult substrates



- No Clean Flux, no cleaning
- Translucent residues
- Alloy: Tin (Sn 95.5%), Silver (Ag 3.5%), Copper (Cu 0.7%)
- Melting point 217°C (Bit temperature: 350°C to 370°C)
- Classification: J-STD ROM1
- Supplied in 0.23mm

423545

Wire Ø	Reel of	Order Code	Price Per Reel
0.23mm	250g	111-5464	

Lead Free Solder Wire Alloy TC



- **Sn99Cu1**
- Proven in electronic manufacturing
- Favourable price (no silver)
- Eutectic alloy (exact melting point 227°C)
- Improved wetting
- Flux type 1.1.2. to EN 29454-1 (F-SW26)

378329

Wire Ø (mm)	Weight (g)	Order Code	Price per Reel
1.0	250	840-0369	
1.0	500	840-0377	
1.5	250	840-0385	
2.0	250	840-0393	

FREE technical support
Our trained engineers are here to help!

 See inside front cover

 See inside front cover

 www.element14.com

Lead Free 96SC Alloy, Colophony Free (105) Flux



- Lead free alloy combined with 105 Colophony-free flux
- Colophony free fully synthetic flux (no rosin or modified rosin) - non corrosive formulation
- High activity - fast and sustained soldering on copper and brass
- Distinctive low odour to distinguish from rosin products
- 95.5% Tin (Sn), 3.5% Silver (Ag), 0.7% Copper (Cu) Alloy
- 217°C melting point (tip temperature of 350°C to 370°C)
- Complies with HSE colophony-free recommendations and all lead-free legislative requirements

- Suitable for general assembly, or rework processes - operationally and aesthetically similar to traditional rosin fluxes

339833/436437

Wire Diameter	Weight	Order Code	Price Per Reel
0.7mm	250g	454-590	
1mm	250g	454-412	

Solder Wire - Water Soluble, High Activity Flux

Hydro-X Water Soluble Flux



- High acidity, high activity, water soluble flux formulation
- 60% Tin (Sn), 40% Lead (Pb) Alloy
- 180°C melting temperature (tip temperature approximately 308°C)
- Fast wetting, no spitting, no insoluble residues
- Residues MUST be removed quickly and thoroughly by water. No other neutralisers are necessary
- Active flux to promote rapid, efficient soldering of difficult to solder parts

212536

500g Reels Dia.	Order Code	Price Per Reel
0.71mm	629-431	

Arax Acid Cored Solder



- High acidity, high activity, water soluble flux for metal fabrication
- Suitable for brass, bronze, iron, spring steel, resistance wires and galvanised wire
- Fast wetting, no spitting, no insoluble residues
- Not recommended for electronics assembly
- 60/40 Tin/Lead alloy has 183°C melting temp
- Lead free tin/silver alloy has 221°C melting temp

212538

Tin/Silver 500g Reels Dia.	Order Code	Price Per Reel
1.63mm	629-455	
250g Reels		
1.63mm	629-479	
0.71mm	629-480	
Tin/Lead 500g Reels		
1.63mm	629-492	

"Alusol" Aluminium Solder



- Most reliable option for soldering of aluminium and aluminium alloys
- Highly active - solders virtually all other metals including stainless steel
- Tin, lead, silver alloy with four cores of the unique "Alusol flux"
- Melting range 178-270°C

212537

500g Reels Dia.	Order Code	Price Per Reel
0.91mm	629-443	

Solder Paste - Tin/Lead, No Clean

MP200 No-Clean Solder Paste



- General purpose for stencil printing applications
- Wide printing and reflow process windows (air and nitrogen)
- Good tack performance, excellent slump resistance
- No-clean residues
- 90% metal content
- IPC/J-STD ROL0 approved

Alloy 62% Tin, 36% Lead, 2% Silver Alloy, (179°C Liquidus)

339068

Size	Mfrs. List No.	Order Code	Price Each
500g	2006905-M	509-1111	

Solder Pastes



RA10 Solder Paste

- Formulated for dispensing
- Excellent tack life
- High activity to deal with poor component solderability
- Produces safe residues - eliminates the need for cleaning
- 25g cartridge or 25g syringe (with plunger) options

RM92 Solder Paste

- High activity robust rosin-based solder paste
- Rosinous (amber) residues do-not need cleaning
- Good tack performance and printer open time
- Solder alloy consists of 62% Tin, 36% Lead, 2% Silver
- 88% metal content for screen printing, 90% for stenciling, 500g jars
- Suitable for reflow in air or nitrogen

222229

Type	Container	Order Code	Price Each
RA10	25g cartridge	149-976▲	
RA10	25g syringe	149-968▲	
RM92 (Stenciling)	500g tub	201-352▲	
RM92 (Screen Printing)	500g tub	201-364▲	
Accessories			Price Each
Needle Kit		131-5813	

Solder Paste - Tin/Lead, Water Washable

WS200 Water Washable Solder Paste



- General purpose for stencil printing applications
- Wide printing and reflow process windows (air and nitrogen)
- Good tack performance, excellent slump resistance
- Easy to remove water soluble residues
- 88.5% metal content

Alloy 62% Tin, 36% Lead, 2% Silver Alloy

339069

Size	Mfrs. List No.	Order Code	Price Each
500g	1303125	169-7892	

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www.element14.com

Solder Paste - Lead Free, No Clean

LF318 Lead Free No-Clean Solder Paste



- Lead free, Halide free solder paste
- No clean residues
- 88.5% metal content
- Suitable for reflow in air or nitrogen
- 96SC (SAC 387) 95.5% Tin, 3.8% Silver, 0.7% Copper
- Melting point 217 °C

443408/472268

Price Each

Size	Order Code	Price Each
500g Jar	125-7149	

LF318 Lead-free Solder Paste

96SC LF318 AGS 88.5



- High activity lead-free solder paste, halogen-free and 'no clean'
- Ideal for screen printing and reflow in air
- Excellent moisture-resistance
- Minimal waste, wide process window for reflow and screen printing, very high tack to prevent components from moving during high speed positioning and longer maximum time between 2 screen prints

- Excellent solderability within a wide range of reflow temperatures in air and nitrogen and on various surface finishes
- Minimal residues, No cleaning required (No Clean)
- Suitable for close spacing (0.4mm), printing speed up to 150mm/s
- Flexible, non-tacky, testable residues
- Easy visual inspection after reflow, translucent residues
- 88.5% metal content
- Metal particle size: 20-45µm, AGS code
- Tin (95.5%), Silver (3.8%), Copper (0.7%), Melting point 317°C
- Supplied in 500g tub

423539

Mfrs. List No.	Order Code	Price Each
500g Tub 96SCLF318AGS88.5	111-5457	

LF320 Lead Free No-Clean Solder Paste



- General purpose for stencil printing applications
- Wide printing and reflow process windows (air and nitrogen)
- Good tack performance, excellent slump resistance
- 96SC (SAC Alloy)
- No-clean, residues
- 88% metal content
- IPC/J-STD ROMO approved

Alloy 96SC (SAC Alloy), 95.5% Tin, 3.5% Silver, 0.7% Copper, 217°C Liquidus

339071

Mfrs. List No.	Order Code	Price Each
500g 3209885-M	509-1100	

RP15 Lead-free Solder Paste

96SC RP15 AGS 84



- Lead-free dispensing solder paste
- Minimal residues, no cleaning required (No Clean)
- Suitable for close spacing (0.5mm)
- Excellent tack performance and open tack time on stencil
- Resists moisture absorption, long tack time between 2 screen prints
- High activity gives excellent wetting on OSP copper plates
- Excellent resistance to spreading
- 84% metal content
- Metal particle size: 45-25µm, AGS code
- Tin (95.5%), Silver (3.8%), Copper (0.7%), Melting point 317°C
- Supplied in 75g cartridge or 25g syringe

423526

Order Code Price Each

Mfrs. List No.	Order Code	Price Each
75g Cartridge 96SCR15AGS84 75G	111-5453	
25g Syringe 96SCR15AGS84 25G	111-5454	

Solder Fluxes & Chemicals

Rework Flux Gel



- Special flux gel designed for re-work of SMT assemblies
- Optimised for dispensing
- Halide-free, no-clean formulation, minimal clear residue
- Compatible with no-clean assembly and rework processes

212494

Pack Quantity=1	Order Code	Price Each
10cc Syringe	453-547	

Flux Pen

Refillable

BONKOTE



Capacity 7ml
Tip length 14mm
Tip diameter 4.3mm, tapers to a point

Contains parts made from
Polypropylene
Polyester
Polyethylene

212527

Mfrs. List No.	Order Code	Price Each
BON102	500-896	

Flux Bottle

(2PCS/pack)



Dispenses flux evenly with a fine tipped needle

525414

Description	Mfrs. List No.	Order Code	Price Each
Flux Bottle	MS-035	166-6211	

Surface Mount



SMA - Surface Mount Adhesive

- High green strength adhesive
- Solvent resistant
- Thixotropic nature gives high dot profile
- Medium strength final bond
- Heat curing
- May be manually or automatically dispensed
- Store below 5°C

Note: Shelf life is 6 months at 20°C, 12 months at 5°C. Refrigerated storage is recommended.

SMFL/SMF - Surface Mount Rework Flux

- Quick drying flux to aid rework
- Use prior to desoldering to aid component removal
- MIL approved no-clean flux
- Non-tacky, non-corrosive residue

Note: Aerosol contains flammable contents. Do not use on live equipment or near any source of ignition. Use in a well ventilated area.

212521

Mfrs.	List No.	Order Code	Price Each
	10ml Syringe	SMA10SL	106-610 ●
	12ml Pen	SMF12P	891-186 ●
	200ml Aerosol	SMFL200D	298-311 ●

Spot-On Peelable Solder Resist



- Designed to be used in conjunction with non-corrosive 'Ersin' (rosin) or 'Xersin' (multicore synthetic resin) fluxes which do not require removal by washing after soldering
- Material dries to a thinner coating
- Can be used undiluted but, can be thinned with up to 50% of water for spraying and brushing
- Material dries in 40 mins at 80°C (176°F) or 2 hours at ambient temperature
- Supplied in a 250ml bottle

Note: The maximum operating temperature for Spot-On is 275°C for 1 minute. Any hotter or longer may cause problems with removal after soldering.

Mfrs.	List No.	Order Code	Price Each
	250ml	149-803 ●	212684

Chemask® Lead-Free Solder Masking Agent



- Chemask® lead-free solder masking agent protects PC boards, plated through-holes, contacts, pins, posts and terminals during wave soldering
- Can be used in lead-free or tin/lead applications
- Compatible with rosin, no clean, and water soluble fluxes - Unaffected by cleaning solvents
- Provides short term high temperature protection from molten solder to 288°C
- Non-flammable and ozone safe
- Plastic safe - Test compatibility on bare copper
- Non-contaminating leaving no residue
- Ready for wave solder in 4 minutes
- Dries tack free in 15 minutes
- Fully cured in 30 minutes
- Latex material is compatible with flux systems and stable with cleaning solvents
- RoHS compliant

Mfrs.	List No.	Order Code	Price Each
	250ml	959-9592 ●	417043/436419

Chemask® Masking Agent



- Chemask® solder masking agent protects PC boards, plated through-holes, contacts, pins, posts and terminals during wave soldering
- Provides short term high temperature protection from molten solder to 268°C
- Non-flammable
- Non-contaminating leaving no residue, ionic or corrosive
- Plastic safe, Non-flammable, upper ozone safe; CFC/HCFC free
- Dries tack-free in 30 minutes
- Latex material is compatible with flux systems and stable with cleaning solvents

Mfrs.	List No.	Order Code	Price Each
	250ml	860-529 ●	212562

Lead-free Tip Tinning Block



TTC LF



- Rapid and effective for cleaning and re-tinning very corroded tips
- Compact block containing flux and lead-free solder in powder form
- Compatible with lead or lead-free processes
- Activator is decomposed by heat
- Alloy complies with international standards of purity

- Minimal residues
- Packed in a small metal tin with a lid and self-adhesive pad so that it can be fixed to any surface

Mfrs.	List No.	Order Code	Price Each
	TTC LF	111-5477	423673

Lead Free Tip Tinner Tip Brite



- Lead Free
- Excellent re-wetting/ re-tinning properties
- Prevents oxidation from forming

Mfrs.	List No.	Order Code	Price Each
	Tip Tinner	127-9335 ●	447689

Solder Pot Pellets



- High purity solder pellets
- 63/37 tin-lead eutectic alloy
- Ideal for solder pots or baths

Mfrs.	List No.	Order Code	Price Each
	250g	454-618	230526

99SC Lead Free Solder Pellets



- Ideal for solder pots or baths
- Optimum temp for use in solder bath is 265°C ±10°C
- Less dense, more joints per kilo (compared to tin/lead)
- Reduced dressing
- Better reliability than tin/lead
- Melting point 228°C

Mfrs.	List No.	Order Code	Price Each
	250g Jar	125-9065 ●	444853

Material Dispensing Systems

Dispensers with Solder

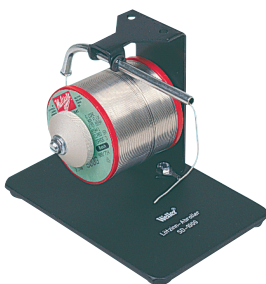


- Handy sized solder dispenser
- Snap-on cover with feed hole and inspection hole
- Ideal for bench and field service work
- Available with either 6 metres of multicore 60/40tin lead alloy solder 22swg or 4m of multicore 'Savbit' alloy solder 18swg

Mfrs.	List No.	Order Code	Price Per Reel
	Dispenser with 60/40 Ersin multicore solder	146-706	212670
	Dispenser with 'Savbit' Ersin multicore solder	146-707 ▲	

Material Dispensing Systems - continued

Dispenser for 500g Solder Reels



- Wire is fed through a dispensing tube
- Friction mount prevents reel running on
- Suitable for all gauges of 500g reels



212669

Mfrs. List No.	Order Code	Price Each
SD1000	419-606	

DX-250 Digital Fluid Dispenser



The DX-250 Series enhances user productivity with prepackaged sample tips and commonly used syringe adapters. The modern-style enclosure, small footprint and a unique locking mechanism allow DX-250 Series to be stacked and locked on top of each other, thus maximizing available workspace.

A precision fluid dispensing system with vacuum control for all viscosities of fluids using air powered disposable syringes. The solid-state controller provides accurate and repeatable dispensing cycles. Optimum dispensing is achieved by adjusting the output pressure and dispense time with options of automatic timing or fully manual operation. Adjustable vacuum feature for controlling drip of fluids between dispense cycles. The DX-250 has been upgraded to allow the dispense time duration to be input in a more user friendly manner, via the use of an additional analogue control with the time value still displayed on the LCD window.

These economic, versatile units feature a digital display which allows the user to accurately set a precise dispense time. The DX-250 ranges from 0 to 6.9 bar (100psi) for general applications.

The DX-250 comes complete with an accessory kit and universal power supply with international adaptors making them the most exceptional cost effective entry level dispenser currently available for Fluid Dispensing applications.

- Auto ranging power supply that will accept 100-240 Vac
 - Small footprint
 - LCD Display
 - Digital timing from 0.020-60.000 sec
 - 6mm push fit connector for the Air In connection
 - Micro action foot switch (included)
 - CSA and CE certified
- Contents:** The Fluid Dispenser is supplied with a micro foot switch, syringe holder, air-line holder, receiver head assembly, commonly used dispensing needles and user guide.

Supply Voltage	100-240 V AC 50/60Hz
Operating Pressure	0 - 100psi (0 - 6.9 bar)
Timer	Programmable from 0.008 to 99.999s
Timing Repeatability	± 0.001%
Cycle Initiation	Maintained and momentary
Cycle Rate	600+ /min
Dimensions (HxWxD)	165x152x178mm
Weight	1.1kg

Description	Pack	Mfrs.		Price Per Pack
		List No.	Order Code	
Fluid Dispenser	1	DX-250	127-7189	

Accessories

Note: Accessories also compatible with TS9150G (Farnell order code 127-7189)

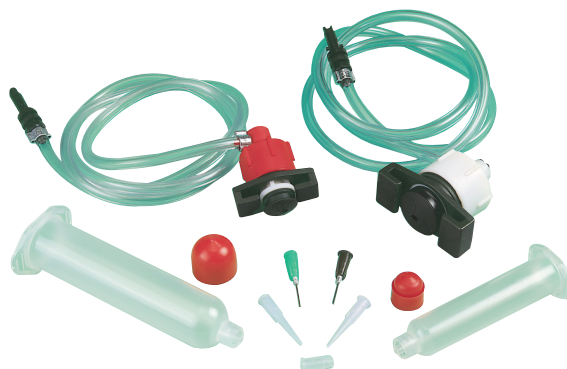
Receiver Head with 3' Tube (3cc)	1	70303RHB	795-1701	
Receiver Head with 3' Tube (10cc)	1	71003RHB	795-1710	
Receiver Head with 3' Tube (30cc)	1	93055-3RHB	795-1728	
Syringe, 3 cc	50	903-N	795-1736	
Syringe, 10 cc	50	7100LL1NPK	795-1744	
Syringe, 30 cc	50	7300LL1NPK	795-1752	
Wiper Piston, 3 cc White	50	903-WW	795-1760	
Wiper Piston, 10 cc White	50	910-WW	795-1779	
Wiper Piston, 30 cc White	50	93055-WW	795-1787	
System End Cap, 3 cc	50	703000CRPK	795-1795	
System End Cap, 10 cc	50	910-EC	795-1809	
System End Cap, 30 cc	50	730000CRPK	795-1817	

447558

Gauge	Colour	I.D. mm	Length Mfrs.		Order Code	Price Per Pack
			mm	List No.		
25	Red	0.254	6.35	TE725050PK	795-1647	
23	Orange	0.330	6.35	923050-TE	795-1655	
21	Purple	0.508	6.35	921050-TE	795-1663	
18	Green	0.838	6.35	TE718050PK	795-1671	
14	Olive	1.600	12.7	TE714050PK	795-1680	

Receivers, Syringes and Nozzles

SEMCO



Receiver

Fully locking universal receiver assembly including receiver head for 10ml cartridges, air line, clamps and male connector. Fits most makes of syringe.

Syringe

Comprises of Leurlock barrel and new long series stopper supplied as separate items and available in 10ml and 30ml sizes.

Nozzles

All Leurlock - 18, 19 & 21 gauges with 6" stainless steel tips and 20 & 21 gauge maximum flow tapered plastic tips.

Tip Cap

To prevent leakage or evaporation of syringe contents.

212517

	Order Code	Price Each
Universal Receivers		
10ml	105-977	
Order Multiple=5		
Syringe Barrels		
10ml	105-979	
30ml	105-980	
Syringe Stoppers		
Long series 10ml	105-981	
Long series 30ml	105-982	
Nozzles		
18 Gauge Nozzle Stainless Steel (Pink)	105-983	
19 Gauge Nozzle Stainless Steel (Brown)	105-984	
21 Gauge Nozzle Stainless Steel (Green)	105-985	
20 Gauge Tapered Plastic (Pink)	108-300	
22 Gauge Tapered Plastic (Blue)	105-987	
Tip Cap	105-988	

FREE technical support

Our trained engineers are here to help!

 See inside front cover

 See inside front cover

 www.element14.com