

# Soldering

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## 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

	Mfrs.		Price Each			
	List No.	Order Code	1+	3+	6+	12+
WP60K Kit	0051608799	476-9521				
WP60						
<b>Tips</b>						
1.0mm Tapered	0051644399	412-2318				
2.4mm Chisel	0051644499	412-2320				

### 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

	Mfrs.		Price Each			
	List No.	Order Code	1+	25+	100+	200+
Pyropen Junior	0051607599	148-9543				
<b>Soldering Tips</b>			1+	25+	100+	200+
0.5mm Tapered Needle	WPT15	418-780				
2.5mm Screwdriver	WPT16	418-791				
2mm Round Bent	WPT17	418-808				

Mfrs. List No.	Order Code	Price Each			
		1+	25+	100+	200+

Hot Blow Nozzles					
1.5mm	WHC54	418-810			
1.5mm	WHC54	418-810			
4.9mm	WHC55	418-821			
4.9mm	WHC55	418-821			

### 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

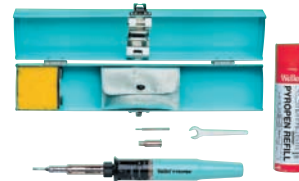
212572

Mfrs. List No.	Order Code	Price Each			
		1+	3+	6+	12+
Pyropen	WSTA6	559-799			
<b>Tips</b>					
1.0mm Needle*	WPT01	559-805			
2.4mm Chisel	WPT02	559-817			
2.0mm Spade	WPT03	559-829			
<b>Hot Blow Nozzles</b>					
1.5mm Dia.	WPT0150	559-842			
4.7mm Dia.	WPT0152	559-854			

\*Fitted as standard

### Gas Soldering Iron

#### Pyropen Kit



Kit contents:  
Butane powered soldering iron, gas refill canister, 3mm chisel soldering tip (Mfr's No. 0051612199) and an accessory pouch, containing blow torch ejector, hot blow nozzle and wrench.

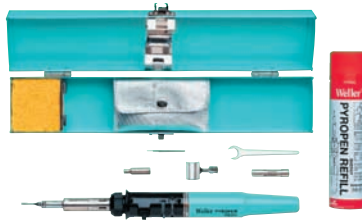
- Supplied in a robust, hinged metal case, complete with a soldering iron support and a cleaning sponge
- Temperature range 300°C - 500°C
- May also be used as a blow torch, or hot blow gun
- Ignition from an external source
- Gas level indicator
- Approx. 3 hours operation from each fill
- Uses WPT series tips
- Uses WHC series hot blow nozzles

249484

Mfrs. List No.	Order Code	Price Each		
		1+	5+	10+
Pyropen Kit	0051606099	800-417		

Gas Soldering Iron

Pyropen Peizo Kit - Self Igniting



Kit contents:

Self igniting butane powered soldering iron, 3mm chisel soldering tip (Mfr's No. 0051612199), hot blow nozzle (Mfr's No. 0051614299) and an accessory pouch, containing heat shrink kit, wrench and butane refill canister.

- Supplied in a robust, hinged metal case, complete with a soldering iron support and a cleaning sponge
- Temperature range 300°C - 500°C
- Functions as a soldering iron, or hot air blower
- Self igniting piezo ignition
- Gas level indicator
- Approx. 3 hours operation from each fill
- Uses WPT series tips
- Uses WHC series hot blow nozzles

249489

Mfrs. List No.	Order Code	1+	5+	10+
Pyropen Kit	0051605999	434-3554		

Pyropen Gas Soldering Iron Accessories

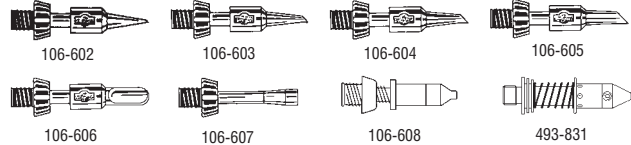


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Soldering Tips	Mfrs. List No.	Order Code	1+	25+	100+	200+
1mm Tapered Needle	WPT1	418-869				
3mm Chisel	WPT2	418-870				
2mm Spade	WPT3	418-882				
3mm Spade	WPT4	418-894				
1210	WPT10	418-900				
<b>Hot Blow Nozzles</b>			1+			
1.59mm I.D	WHC50	418-912				
4.9mm I.D	WHC52	418-924				
Torch Ejector	WP71T	418-936				
Soldering Ejector	WP70S	418-948				
<b>Spare</b>						
Barrel Assembly	WP72M	418-950				
Gas refill (75ml)	PGR1	418-961				
Piezo Igniter	803U	971-613				



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 convertor for flame free general purpose soldering

Hot knife tip

- Also contains catalytic convertor
- 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.

222206

	Order Code	1+	5+
Portasol professional kit	106-601		
<b>Replacement tips</b>			
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 - 'Portasol'



148-636 L=175, Dia=19



148-710 Tip width = 1.0mm  
 148-639 Tip width = 4.8mm  
 148-638 Tip width = 3.2mm  
 148-637 Tip width = 2.4mm

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 convertor 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

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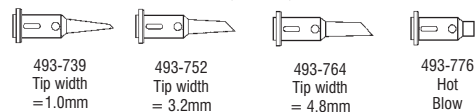
	Order Code	1+	5+	20+
Portasol iron	148-636			
Replacement 1.0mm tip	148-710			
Replacement 2.4mm tip*	148-637			
Replacement 3.2mm tip	148-638			
Replacement 4.8mm tip	148-639			

\*fitted as standard

Gas Soldering Iron 'SuperPro'



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



493-739 Tip width = 1.0mm  
 493-752 Tip width = 3.2mm  
 493-764 Tip width = 4.8mm  
 493-776 Hot Blow

493-788 Tip width = 1.0mm	493-790 Tip width = 2.4mm	493-806 Tip width = 3.2mm	493-818 Tip width = 4.8mm	493-820 Knife tip
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- 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

	Mfrs. List No.	Order Code	Price Each		
			1+	5+	20+
SuperPro Kit		<b>493-715</b>			
SuperPro Iron		<b>493-727</b>			
<b>Replacement Tips</b>					
Chisel 1.0mm tip		<b>493-739</b>			
Chisel 3.2mm tip		<b>493-752</b>			
Chisel 4.8mm tip		<b>493-764</b>			
Hot Blow tip ▼		<b>493-776</b>			
Screwdriver 1.0mm tip		<b>493-788</b>			
Screwdriver 2.4mm tip ▼*		<b>493-790</b>			
Screwdriver 3.2mm tip		<b>493-806</b>			
Screwdriver 4.8mm tip ▼		<b>493-818</b>			
Knife tip ▼		<b>493-820</b>			
▼ Supplied with kit					
* Fitted as standard					

### Gascat 40 Gas Soldering Iron



- Butane gas powered soldering iron, with fitted soldering tip
- Equivalent to a 40W electric soldering iron
- Flintwheel ignition located in cap
- Fixed temperature unit for soldering applications only

**Kit Contains:** Iron fitted with soldering tip, 2 spare soldering tips, sponge and tray.

	Mfrs. List No.	Order Code	Price Each		
			1+	10+	50+
Iron	XG04020	<b>430-7148</b>			
Iron Kit	XG040KT	<b>430-7150</b>			

### Gascat 60 Gas Soldering Iron



- Butane gas powered soldering iron, fitted with a 2.4mm soldering tip
- Equivalent to a 60W electric soldering iron
- Flintwheel ignition located in cap
- Variable temperature unit for multiple applications

**Kit Contains:** Iron fitted with 2.4mm soldering tip, flame tip, hot air tip, knife tip, stand, sponge and tray.

	Mfrs. List No.	Order Code	Price Each		
			1+	10+	50+
Iron	XG06020	<b>430-7161</b>			
Iron Kit	XG060KT	<b>430-7173</b>			

### Gascat 75P Gas Soldering Iron



- Butane gas powered soldering iron, fitted with a 2.4mm soldering tip
- Equivalent to a 75W electric soldering iron
- Piezo automatic ignition
- Soldering tip temperature 250-450°C

- 60 minutes continuous use
- Variable temperature, multi-function tool

**Kit Contains:** Iron fitted with 2.4mm soldering tip, flame tip, hot air tip, knife tip, stand, sponge and tray.

**Tip Pack Contains:** Fine pointed tip for soldering, a hot knife tip and a flame/blow torch tip.

	Mfrs. List No.	Order Code	Price Each		
			1+	10+	50+
Iron	XG07520	<b>430-7185</b>			
Iron Kit	XG075KT	<b>430-7197</b>			
<b>Accessories</b>					
Tip Pack (Pk3)	XS075PK	<b>186-3118</b>			

### 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.

	Mfrs. List No.	Order Code	Price Each		
			1+	10+	50+
Iron	XG12P20	<b>430-7203</b>			
Iron Kit	XG12PKT	<b>430-7215</b>			

### Independent 75 "Basic Set"

Gas soldering set for maximum freedom when soldering



Versatile gas soldering set in a practical plastic case.

The ergonomic gas soldering iron allows soldering to be carried out anywhere, at all times, independently of the mains. It has piezo ignition and is antistatic. Its power can be varied continuously from 15 - 75 watts, thus allowing (compared to electrical soldering irons) maximum soldering bit temperatures of up to 500°C to be achieved. It is operated using commercially available butane lighter gas.

The set includes a gas soldering iron with a catalytic soldering bit fitted, a space soldering bit, a stand and sponge container with a cleaning sponge. Further soldering bits, as well as a flame nozzle, hot gas nozzle, hot blade and reflector plate are available as accessories.

Technical data:

Power:	15 - 75 W
Heating time:	approx. 30 s. to 183°C
Soldering bit temperature:	approx. 500°C max
Weight:	73g
Ignition:	Piezo igniter
Operation with butane gas	

Items supplied:

G070KN	Gas soldering iron Indep. 75 with 2.4 mm bit, chisel-shaped G072CN
G072CN	Soldering bit 1.0 mm, chisel-shaped
A20	Stand
006	Cleaning sponge
G156	Sponge container

	Order Code	Price Each		
		1+	5+	10+
Independent 75 "Basic Set"	<b>399-1106</b>			

### Independent 75 "Profi Set"

Gas soldering set with professional equipment



The professional design of the gas soldering iron and the extensive equipment make this handy gas soldering set highly versatile. The ergonomic, antistatic gas soldering iron with piezo ignition is ideally suited for servicing and maintenance tasks, especially when there is no power supply has failed. Its power can be varied continuously from 15 - 75 watts, thus allowing (compared to electrical soldering irons) maximum soldering bit temperatures of up to 500°C to be achieved. The Independent 75 is operated using commercially available butane lighter gas.

The four soldering bits contained in the set allow virtually all soldering applications to be coped with. In addition, the Profi Set contains a hot blade for shaping and cutting hard foam materials, a hot gas nozzle and a reflector plate for processing shrink sleeves and for soldering SMD components, a flame nozzle for microwelding and a sponge container with a cleaning sponge.

## Independent 75 "Profi Set" - continued

Gas soldering set with professional equipment - continued

Technical data:

Power: 15 - 75 W  
 Heating time: approx. 30 s. to 183°C  
 Soldering bit temperature: approx. 500°C max  
 Weight: 73g  
 Ignition: Piezo igniter  
 Operation with butane gas

Items supplied:

G070KN Gas soldering iron Indep. 75 with 2.4 mm bit, chisel-shaped G072KN  
 G072AN Soldering bit 3.2 mm, chisel-shaped  
 G072BE Flame Nozzle  
 G072CN Soldering bit 3.2 mm, chisel-shaped  
 G072HE Hot gas nozzle  
 G072MN Hot blade  
 G072RE Reflector plate for shrinking shrink sleeves  
 G072VN Soldering bit 4.8 mm, chisel-shape  
 A20 Stand  
 006 Cleaning sponge  
 G156 Sponge container

242560

Order Code	Price Each		
	1+	5+	10+
Independent 75 "Profi Set"	399-1118		

## Independent 130 "Basic Set"

Maximum power for the greatest possible freedom when soldering



The "large" gas soldering device from ERSA, the Independent 130, is used wherever demanding soldering tasks have to be carried out without a power supply. Its wide power range, which can be varied continuously from 25 to 130 watts (compared with electrical soldering irons), and its comprehensive range of soldering bits result in a very wide range of options for use in the areas of servicing, installation, maintenance and repair.

The handy gas soldering iron is operated with butane lighter gas. One gas filling allows an operating time of about 120 minutes to be achieved.

The Independent 130 "Basic Set" contains a gas soldering iron with a catalytic soldering bit fitted, a spare soldering bit and a sponge container with a cleaning sponge.

Further soldering bits, a flame nozzle, a hot gas nozzle, a hot blade and a reflector plate are available as accessories.

Technical data:

Power: 25 - 130 W  
 Heating time: approx. 30 s. to 183°C  
 Soldering bit temperature: approx. 580°C max  
 Weight: 121g  
 Ignition: Piezo igniter  
 Operation with butane gas

Items supplied:

G130KN Gas soldering iron Indep. 130 with 2.4 mm bit, chisel-shaped G132KN  
 G132CN Soldering bit 1.0 mm, chisel-shaped  
 006 Cleaning sponge  
 G156 Sponge container

242561

Order Code	Price Each		
	1+	5+	10+
Independent 130 "Basic Set"	399-1120		

## Independent 130 "Profi Set"

Powerful gas soldering set with professional equipment.



Thanks to its enormously wide power range which is continuously variable from 25 - 130 watts (compared with electrical soldering irons) and its very wide choice of soldering bits, the Independent 130 "Profi Set" is ideally suited for virtually all soldering applications. The piezo ignition integrated in the unit and operation with conventional butane lighter gas ensure very simple handling and high reliability. The operating life with one gas filling is about 120 minutes, and the maximum soldering bit temperature is about 580°C.

The Independent 130 "Profi Set" contains a gas soldering iron with a catalytic soldering bit fitted, three further soldering bits, a hot blade for shaping and cutting hard foam materials, a hot gas nozzle and a reflector plate for processing shrink sleeves and for soldering SMD components, a flame nozzle for microwelding and a sponge container with a cleaning sponge.

Technical data:

Power: 25 - 130 W  
 Heating time: approx. 30 s. to 183°C  
 Soldering bit temperature: approx. 580°C max  
 Weight: 121g  
 Ignition: Piezo igniter  
 Operation with butane gas

Items supplied:

G130KN Gas soldering iron Indep. 130 with 2.4 mm bit, chisel-shaped G132KN  
 G132AN Soldering bit 3.2 mm, chisel-shaped  
 G132BE Flame Nozzle  
 G072CN Soldering bit 3.2 mm, chisel-shaped  
 G132HE Hot gas nozzle  
 G132MN Hot blade  
 G132RE Reflector plate for shrinking shrink sleeves  
 G132VN Soldering bit 4.8 mm, chisel-shape  
 006 Cleaning sponge  
 G156 Sponge container

242562

Order Code	Price Each		
	1+	5+	10+
Independent 130 "Profi Set"	399-1131		

## P100 Gas Soldering Irons



- GS-TUV accredited gas soldering iron and kit PS100
- Gas iron equivalent to a 120W electric iron
- Long life metal catalyst
- Simple replacement flint igniter in the safety cap
- Translucent and shatterproof fuel tank giving gas level indication
- Solid steel soldering tip
- Variable adjuster to fine control fuel usage from 45 mins at max to over 90 min
- Self venting refill valve for easy gas refill
- Weighs only 50 grams

### P100KX - Kit

contents: P100 gas iron complete with 2.4mm chisel tip, safety cap & flint igniter, aluminium tray, stand & wetting sponge, tube of solder, blow torch tip (VT-5), hot air tip (VT-6), hot knife tip (VT-4), desoldering pump all complete in a plastic tool box.

231504

List No.	Mftrs.	Order Code	Price Each		
			1+	5+	10+
P100	Iron	350-6411			
P100KX	Iron Kit	350-6447			
<b>Replacement Tips</b>					
VT-1	1.0mm Chisel	352-9320			

## SolderPro 50 Gas Soldering Iron



SolderPro 50 Kit (Case Size: 215x105x38mm)

- Pocket sized butane gas powered iron
- Variable heat control equivalent to 70W iron
- Lightweight and portable
- Tank holds enough fuel for up to 30 mins operation (at mid setting)
- Flint ignition
- Easy to refill
- T-01 bit fitted
- Also available in a kit with the contents held in a sturdy case

### Contents of SolderPro 50 (Kit):

SolderPro 50 Iron with T-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

### Technical Data

Soldering Tip Temperature 210 - 400°C (410-750°F)  
 Torch Temperature 1300°C (2500°F)  
 Equivalent Wattage 30 - 70W

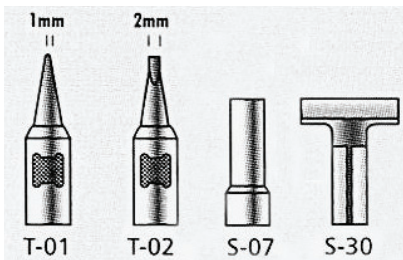
### Technical Data

Gas Container Capacity 7ml  
 Dimensions (LxDia.) 23x140mm  
 Weight (when filled) 60g

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Description	Order Code	Price Each				
		1+	3+	10+	25+	50+
SolderPro 50	129-6821					
SolderPro 50 Kit	129-6822					

### Tips for SolderPro 50



Type	Ref.	Order Code	Price Each				
			1+	3+	10+	25+	50+
1mm Conical	T-01	129-6823					
2mm Screwdriver	T-02	129-6824					
Heat Blower	S-07	129-6813					
Short Deflector	S-30	129-6805					

450071.440028

### 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

Technical Data		Technical Data	
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

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Description	Order Code	Price Each				
		1+	3+	10+	25+	50+
SolderPro 70	129-6806					
SolderPro 70 Kit	129-6807					

### Tips for SolderPro 70



Type	Ref.	Order Code	Price Each				
			1+	3+	10+	25+	50+
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					

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### 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

Technical Data		Technical Data	
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

Description	Order Code	Price Each				
		1+	3+	10+	25+	50+
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

Type	Ref.	Order Code	Price Each				
			1+	3+	10+	25+	50+
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 (LEG-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)

## Gas Soldering Irons - continued

**NEW**

### SolderPro 180 Gas Soldering Iron - continued

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

#### Technical Data

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				
		1+	3+	10+	25+	50+
SolderPro 180	129-6783					
SolderPro 180 Kit	129-6785					

## 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

**iroda**

450131.440006

Mfrs.	Price Each					
List No.	Order Code	1+	3+	10+	25+	50+
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 ∅)

**iroda**

450132.440010

Mfrs.	Price Each					
List No.	Order Code	1+	3+	10+	25+	50+
MJ-600	129-6827					

### VersaFlame™

**DREMEL**



The Dremel VersaFlame is the only stationary burner that safely combines open flame use with a catalyst and soldering head, making it the most versatile stationary burner in the market today, especially for DIY applications. The Dremel VersaFlame is powered by liquid butane gas for quick heat-up and fast recharge. Applications can be described as: soldering, shrinking, welding, etc.

- Child safety lock mechanism
- Flame lock button for continuous hands-free use
- Stationary use by attaching removable foot
- Precise flame allows for detailed open flame work
- Powered by liquid butane gas
- Very short heat-up time and quick recharge
- Variable temperature setting: Select the right temperature for your project

**Contents:** Dremel VersaFlame, Catalyst, Soldering tip, Flame extension piece, Deflector, Soldering tin with blue cap, Soldering sponge + sponge box, 1 Wrench, Welcome poster and Instruction manual.

Burn time	75 to 90min
Capacity	42ml / 22g
Temperature	1200°C (open air) 680°C - 1000°C (hot air) 550°C (tips)

Weight

227g

618084

Description	Order Code	Price Each	
		1+	50+
VersaFlame™ Burner	184-5952		

## Battery Powered Soldering Irons

### Battery Soldering Iron Kit BP860EU

**Weller**

For hobbyist and semi-professional user



Kit comprises:

Dual power battery soldering iron, 1 x 0.8mm conical iron plated soldering iron tip, 1 x 1.8mm chisel iron plated soldering tip, 4 x AA size Duracell batteries, Lead free solder, Tip removal tool, Storage case

- 8/11W output
- Max temperature 450°C at 8W, 510°C at 11W
- Heat up time better than 15 seconds
- Red / green LED to show power level
- Off / high / low power selector switch
- White LED work light
- Safety cap with auto shut off feature
- Up-to 180 solder joints per 4 batteries

485898

Mfrs. List No.	Description	Order Code	Price Each		
			1+	5+	10+
BP860CEU	Soldering Iron	148-9546			
<b>Accessories</b>					
BP10EU	0.88mm Iron Plated Conical Tip	148-9547			
BP11EU	1.8mm Iron Plated Conical Tip	148-9548			

### Battery Soldering Iron

**ANTEX**



A portable, battery-powered soldering iron ideal for repairs and field service.

- Fast heat-up time approx. 15 seconds
- On/Off slide switch with push button operate switch
- Exchangable soldering tips
- Safety cap automatically switches off when fitted
- Rubberised grip
- Complete with spare tip, tip changing tool and solder
- Overall length 190mm with cap fitted
- Requires 3 x AA alkaline batteries, (not included)
- Spare bits available

546163

Mfrs.	Price Each				
List No.	Description	Order Code	1+	5+	10+
SZ004W0	Soldering Iron	176-0696			
<b>Accessories</b>					
BBK0Y0	0.5mm Spare Tip	179-8246			

### 15W Rechargeable Battery Soldering Iron

**ANTEX**



- Convenient, easy-to-use battery soldering iron
- Ideal for remote service operations and laboratory use
- Ready for use within 9 seconds
- Fingertip control with safety lock action
- Capable of soldering up to 100 joints before recharging

- Two light fittings mounted on tip holder illuminate soldering area
- Charges in approximately 8 hours
- Supplied with built-in batteries, standard tip, sponge, screwdriver and spare lamp
- Iron and Mains Charger sold separately

Power	15W	Warm Up Time	9 seconds
Tip Temperature	350°C	Length	185mm

Description	Order Code	Price Each		
		1+	5+	10+
Soldering Iron	176-0697			
<b>Accessories</b>				
Charger	176-0698			
Standard Tip	179-8247			
Fine Tip	179-8249			
Screwdriver Tip	179-8251			
Tip Set	179-8252			

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

222213

## 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				

546120

Mfrs. List No.	Plug Type	Order Code	Price Each		
			1+	5+	10+
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
- 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		

546153

Mfrs. List No.	Plug Type	Order Code	Price Each		
			1+	+	+
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

Voltage	Cable	Plug Type	Mfrs. List No.	Order Code	Price Each	
					1+	5+
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 arcing 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		

222226

Voltage	Plug Type	Colour	Order Code	Price Each		
				1+	5+	10+
230V ac	UK	Yellow	629-121			
230V ac	Euro	Yellow	629-133			

### Fume Extraction Upgrade Kit



- Cost effective
- Converts existing CS, XS, XSD, CSTC, TC25, TC50, XSTC and SD50 Antex soldering irons
- Contains all the necessary parts to modify the iron and connect to a suitable fume extraction system.
- Supplied with fitting instructions

**Note:** If using on CSTC and XSTC irons with old TCSU-1 station, use stand Order Code 610-150

222209

Order Code	Price Each		
	1+	5+	10+
282-698			

## TROUBLESHOOTING TIPS

Chat online to one of our technical engineers at [farnell.com](http://farnell.com)

# Antex Mains Soldering Irons - continued

## 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	Mfrs. List No.	Order Code	Price Each	
			1+	5+

15W Euro Soldering Kit with C15-230 iron	Euro	SK7E	629-170	
18W UK Soldering Kit with CS18-230 iron	UK	SK5	629-182	
18W Euro Soldering Kit with CS18-230 iron	Euro	SK8E	629-194	
25W UK Soldering Kit with XS25-230 iron	UK	SK6	629-200	
25W EURO Soldering Kit with XS25-230 iron	Euro	SK9E	629-212	

Kit	Tip type (fitted)
SK2	820
SK5	1100
SK6	51

## Pipemaster



- Safe and efficient method to solder capillary joints
- No gas or naked flames
- Works like a standard soldering iron
- Prevents damage to surrounding areas when used in confined areas
- Supplied with 15mm heads, a safety stand and suitable mains plug

Input	230V ac	Power consumption	120 Watts	Head temperature	520°C
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212679

Plug type	Order Code	Price Each		
		1+	5+	10+

UK Pipemaster	UK	629-145	
Pipemaster 22mm heads (pair)	—	149-078	

## Replacement Soldering Tips



- 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	X	T	X	A			
	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

Tip Style	Tip Dia		Iron type Approved compatibility										Mfrs. List No.	Order Code		
	mm	in	G	C	C	X	C	X	X	T	X	A				
	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	Price Each		
	1+	10+	20+

All Order Codes

## CK Soldering Irons

### Soldering Irons



NEW

- High quality, heavy duty construction for professional use
- Long life tips suitable for use with lead free solder
- Supply voltage: 220V to 240V ac
- Support stand included
- GS & VDE approved - independently certified

653690

Mfrs. List No.	Power Rating	Mains Plug	Order Code	Price Each 1+
495009	25W	UK	209-4378	
495010	40W	UK	209-4379	
495011	25W	Euro	209-4380	
495012	40W	Euro	209-4382	

### Accessories

495013	25 Watt Replacement Tip	209-4383
495014	40 Watt Replacement Tip	209-4384

## 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 <sup>2</sup> 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

Description	Order Code	Price Each		
		1+	5+	20+
15W Soldering Iron	506-1921			
25W Soldering Iron	506-1933			

Tip Size	Style	Order Code	Price Each		
			1+	10+	20+

### Tips for use with 15W Iron (370 °C)

0.1mm	Conical	108-518	
1mm	Chisel	418-596	
2.3mm	Chisel	418-614	
3mm	Chisel	418-687	
4.7mm	Chisel	418-730	

### Tips for use with 25W Iron (390 °C)

0.5mm	Conical	418-572	
2.3mm	Chisel	418-626	
2.3mm	Screwdriver	418-638	
3mm	Chisel	418-699	
3mm	Screwdriver	418-705	
4.7mm	Chisel	418-754	



## Soldering Iron

**DURATOOL**



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

Mfrs. List No.	Plug Type	Order Code	Price Each		
			1+	5+	20+
D00797	UK	156-8157			
D00798	EU	156-8159			

## Soldering Iron

**DURATOOL**



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

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

505791

Mfrs. List No.	Plug Type	Order Code	Price Each		
			1+	5+	20+
D00799	UK	156-8160			
D00800	EU	156-8161			
D00801	UK	156-8162			
D00802	EU	156-8163			

## Soldering Iron

**DURATOOL**



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 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		
			1+	5+	20+
D00803	UK	156-8165			
D00804	EU	156-8166			
<b>Spare Tips</b>					
D00803-B8-1	0.5mm Conical	208-1159			

## Solder and Repair Kit

**DURATOOL**

UK Plug



Soldering iron with spare tip and various other accessories.

- Desolder pump and spate nozzle and piston ring
- 4.5" long nose and diagonal cutting pliers
- Voltage tester and multimeter
- Screwdriver (PH 5x100mm)
- Lead free solder

**NEW**

657272

Mfrs. List No.	Order Code	Price Each	
		1+	5+
D01854	210-3198		

## FREE GLOBAL LEGISLATION SUPPORT



RoHS, REACH, WEEE, ErP, Batteries Directive - latest updates, free white papers and live online Q&A at [element14.com/legislation](http://element14.com/legislation)

## ERSA Mains Soldering Irons

**kurtz ersa**

### Soldering Iron Multi-TC



The ERSA Multi-TC is a powerful, universal soldering iron with a sensitive temperature sensor which is integrated in the internally heated soldering tip. This temperature sensor measures the actual temperature directly at the soldering joint. The heating system reacts immediately to heat losses and provides further heat. The direct temperature measurement together with the precise control electronics, which are integrated in the handle to allow professional processing of both fine-soldering joints of components and heavy-duty soldering. Due to its heat resistant cable the ERSA Multi-TC is perfectly suited for applications in servicing, maintenance and repair. The large selection of soldering tips and inserts open up numerous further applications. Supplied with long-life tip 0842CD and tool holder 0A18.

#### Technical Data

Voltage 230 V ~  
Power Rating 75W / 350°C  
Heat-Up Rating Up to 285 W  
Preheating Time 34 Seconds to 280°  
Control Technique SENSOTRONIC  
Temperature Range 250 - 450°C  
Weight without cable 60 g  
Cable Extremely heat-resistant, 1.5 m

311414

Mfrs. List No.	Order Code	Price Each		
		1+	3+	5+
MULTI-TC Soldering iron	134-0718			

### Multitip Soldering Iron

**kurtz ersa**



- 15W iron for soldering small connections
- 1.5m PVC lead
- 25W iron for mid-size soldering applications
- Delivered with soldering tips and case

Supply voltage	134-0729	134-0730
Power	230V	230V
Time to operate	15W	25W
Lead length	60s	60s
Max. operating temperature	1.5m	1.5m
	350°C	450°C

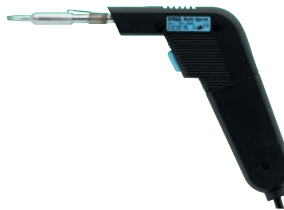
245997

Mfrs. List No.	Order Code	Price Each		
		1+	5+	10+
<b>Soldering Irons</b>				
Multitip 15W	134-0729			
Multitip 15W	134-0730			
A18Case	845-097			
<b>Replacement Tips - Multitip 15W</b>				
162 BD/SB	875-030			
162 KD/SB	845-061			
162 LD/SB	875-053			
<b>Replacement Tips - Multitip 25W</b>				
172 BD/SB	306-2259			
172 BD/SB	306-2260			
172 BD/SB	306-2296			

### High-Speed Soldering Gun

**kurtz ersa**

MULTI-SPRINT



An unusually light and transformer-independent solder gun with PTC heating element providing high heat-up rating. The ERSA DUR long-life soldering tip is only heated as long as the button is pressed. Thanks to the very short heating times it is ideal for high-speed series soldering. The heat supply can be adapted to the soldering requirements by periodically pressing the button.

The internally heated soldering tip ensures high performance. The Multi-Sprint is ideal for assemblies and repairs requiring a rating from 15 - 100 W. Supplied with long-life tip 0832ED.

<b>Technical Details:</b>			
Power rating (cold):	ca. 150 W	<b>Technical Details:</b>	ca. 100 g
Power rating:	ca. 75W	Weight (without cable):	230V
Preheating time:	ca. 20 s.	Voltage:	

311421

Mfrs. List No.	Order Code	Price Each		
		1+	3+	5+
MULTI-SPRINT soldering gun	134-0719			

# 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

	Mftrs. 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	0.65mm Micro Point	STT1	500-756
2015	2.4mm Chisel Point	STT2	500-768
2020	3.5mm 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

	Mftrs. List No.	Order Code	Price Each
Wattage			1+ 5+
15W	SP15LUK	842-6406	
25W	SP25LUK	842-6414	
40W	SP40LUK	842-6422	
80W	SP80LUK	842-6430	

Tip Width	Type	Plating	Mftrs. List No.	Order Code	Price Each
					1+ 3+

### Tips for SP15L (15W) Iron

2mm	Screwdriver	Nickel	S5	879-6777
3.5mm	Screwdriver	Nickel	S3	957-940
0.4mm	Conical	Iron	S31	957-926
3.5mm	Screwdriver	Iron	S32	957-938

### Tips for SP25L (25W) Iron

0.8mm	Conical	Nickel	MT1	879-6785
3.18	Screwdriver	Nickel	MT2	879-6793
4.8mm	Straight	Nickel	MT6	879-6807
	Knife		HK11	879-6815

### Tips for SP40L (40W) Iron

6.3mm	Screwdriver	Nickel	MT10	879-6823
6.3mm	Screwdriver Bent	Nickel	S4	879-6831
6.3mm	Screwdriver	Iron	S36	879-6840
6.3mm	Screwdriver Bent	Iron	S37	879-6858

### Tips for SP80L (80W) Iron

9.5mm	Screwdriver Bent	Nickel	S8	879-6866
7mm	Screwdriver	Iron	S38	353-425

## Therma-Boost Heat Tool

For hobbyist and semi-professional users



When the Therma-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 Therma-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

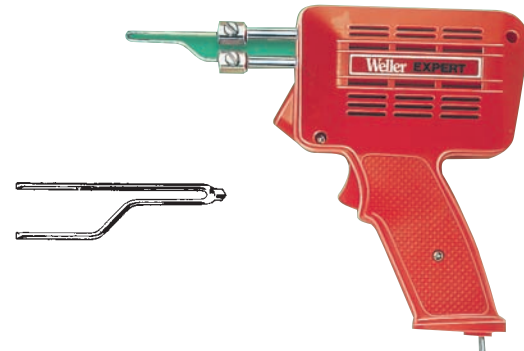
Comprises :

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

473597

Mftrs. List No.	Description	Order Code	1+	5+	10+
TB100UK	UK Therma-Boost Heat Tool	135-7544			
TB100EU	Euro Therma-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

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

621910

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

## 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

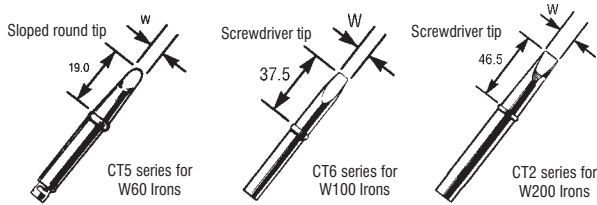
100 Watt, W101 and W101E Barrel length (excl tip) = 96, Barrel dia = 15mm

- 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	Mfrs. List No.	Order Code	Price Each			
				1+	5+	10+	48+
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				
<b>Irons with Euro Schuko Plug</b>				1+	5+	10+	
60W	230V	W61 EU	800-650				
100W	230V	W101 EU	800-661				
200W	230V	W201	800-673				
<b>Accessories</b>							
		KH 6	419-217				

### CT Series Tips for W Series 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	5.0					
C	3.2					
Temp. Code	Tip Temp.	Temp. Code	Tip Temp.	Temp. Code	Tip Temp.	
7	370°C (700°F)	7	370°C (700°F)	7	370°C (700°F)	
8	425°C (800[Degree]F)	8	425°C (800°F)	8	425°C (800°F)	
CT5CC7 fitted as standard		CT6E7 fitted as standard		CT2F7 fitted standard		
NB: CT5EE6 not available		370°C				
	Mfrs. List No.	Order Code	4CT5DD7	416-113	CT6F7	416-253
	4CT5AA7	416-022	CT6C7	416-150	4CT6F8	416-228
	CT5AA8	416-034	CT6C8	416-162	CT2E7	416-230
	CT5BB7	416-058	CT6D7	416-174	CT2E8	416-241
	4CT5BB8	416-060	CT6D8	416-186	CT2F7	425-461
	CT5CC7	416-083	CT6E7	416-198	CT2F8	416-265
	CT5CC8	416-095	CT6E8	416-204		

Mfrs. List No.	Order Code	4CT5DD7	416-113	CT6F7	416-253
		4CT5AA7	416-022	CT6C7	416-150
		CT5AA8	416-034	CT6C8	416-162
		CT5BB7	416-058	CT6D7	416-174
		4CT5BB8	416-060	CT6D8	416-186
		CT5CC7	416-083	CT6E7	416-198
		CT5CC8	416-095	CT6E8	416-204

## Mains Powered De-Soldering Guns

### Motorised with Variable Hot Blow Static Dissipative



- 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

621887

Description	Order Code	1+	4+	10+
Desoldering Gun	956-880			
<b>Spares</b>				
Cleaning pins (set of 3)	226-919			
0.8mm dia. tip	107-793			
0.8mm dia. slip tip	107-794			
1.0mm dia. tip	107-795			
1.5mm dia. tip	109-155			
Element	226-920			
Filter cartridge (Pk of 5)	226-944			
Stand	108-613			

## 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

Mfrs. List No.	Plug Type	Order Code	1+	5+	10+
<b>Stations</b>					
660-TC	UK	120-4734			
660-TCE	Euro	120-4738			
<b>Replacement Irons</b>					
TC25 25W	—	629-017			
TC 50 50W	—	629-005			

### 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

Mfrs. List No.	Plug Type	Order Code	1+	5+	10+
<b>Stations</b>					
690-SD	UK	120-4733			
690-SDE	EURO	120-4736			
<b>Replacement Iron</b>					
SD50 50 watt	-	628-992			

### Surface Mount Rework Kit



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
DST-Q	various + re-soldering
DST-Q	ICSO20/QFP 15 x 8 mm
DST-S	ICSO28/QFP 20 x 8 mm

# Antex Soldering Stations - continued

## Surface Mount Rework Kit - continued

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

Mfrs.	List No.	Order Code	1+	5+	10+
Soldering Irons					
Rework Station	UD82D70	120-4732			

230548

## Antex Tips & Accessories

### Replacement Soldering Tips

- 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					
	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	1+	10+	20+
All Order Codes			

### 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 SO14/16	D-PAK

212505

Mfrs. List No.	Order Code	1+	10+	20+
DKIT-12	108-520			

### ST6 and ST4



- 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**
- 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

Order Code	1+	5+	10+
ST-4	155-214		
ST6	610-150		
Replacement Sponge	418-353		

### Spares



621886

For use with	Mfrs. List No.	Order Code	1+	5+
C250	C250E	120-4740		
TCS240	TCS240E	120-4741		
XS240	XS230E	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

Description	Order Code	Price Each			
		1+	3+	10+	50+
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				
<b>Accessories</b>					
Soldering Iron	129-6774				
Element for Soldering Iron	129-6775				
7141mmSponge (x) Pk 5	129-6776				

### 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)

Tip Type	Order Code	Price Each			
		1+	3+	10+	50+
1mm Pointed	129-6777				
0.5mm Pointed	129-6778				
3mm Chisel (45°)	129-6779				
2mm Screwdriver	129-6780				
1mm Chisel (45°)	129-6781				

### 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

Supply Voltage 230V (220-240V) / 50Hz  
Electric Iron Power 48W  
Temperature range 150°C - 450°C

#### Technology Specification

Dimensions (WxHxD) 210x125x135mm  
Weight 1.8kg

488789

Description	Order Code	Price Each			
		1+	3+	10+	50+
Soldering Station (UK Plug)	149-8364				
Soldering Station (EU Plug)	149-8365				

## TENMA Soldering/De-Soldering Stations

### Soldering Station



- Antistatic safety
- Computerized temperature correction to calibrate the temperature difference between the soldering tip and display temperature
- Detachable iron with pencil-style tip
- LED digital display
- Ideal for workshops
- Ideal for lead-free solder, rosin-core, lead-based, silver-bearing or any other

- Available either with European or UK power cord

Supply Voltage 220V  
Power 60W  
Temperature Range +150°C to +450°C

Output Voltage 24V  
Temperature Stability ±1°C (Static)  
Display LCD

649040

Mfrs. List No.	Order Code	Price Each		
		1+	5+	10+
AT60D-EU	207-5392			
AT60D-UK	207-5393			

Replacement Heating Element	
CBB018722	211-3923



### TROUBLESHOOTING TIPS

Chat online to one of our technical engineers at [farnell.com](http://farnell.com)

### Soldering Station

NEW

TENMA™



Supply Voltage 220V  
Power 60W  
Temperature Range +150°C to +450°C  
Output Voltage 28V  
Temperature Stability ±1°C (Static)  
Display LCD

- Antistatic safety
- Three programmable preset temperature buttons
- Precise temperature control and computerized temperature calibration
- Two-core heating element
- LCD display
- °C/°F temperature
- Available either with European or UK power cord

**Kit Contents:** Power Unit, Soldering Iron, Iron Holder, 0.5mm Conical tip, Sponge, Power Cord and Manual.

643637

Mfrs. List No.	Order Code	Price Each		
		1+	5+	10+
21-10115 UK	206-4549			
21-10115 EU	206-2627			

Replacement Heating Element	
CBB018722	211-3923

### Soldering Station

NEW

TENMA™



Supply Voltage 220V  
Power 60W  
Temperature Range +150°C to +450°C  
Output Voltage 28V  
Temperature Stability ±1°C (Static)  
Display LCD

- Antistatic safety
- 3 temperature presets for frequently used temperatures
- Detachable iron with pencil-style tip
- Includes cradle stand
- Clear LED digital display, interchangeable between Fahrenheit and Celsius
- Ideal for workshops, onfield soldering jobs
- Display shows temperature setting and actual temperature
- Ideal for lead-free solder, rosin-core, lead-based, silver-bearing or any other
- Available either with European or UK power cord

643640

Mfrs. List No.	Order Code	Price Each		
		1+	5+	10+
21-10120 UK	206-4550			

### Hot Air Rework Station

TENMA™

NEW



- Closed loop control of sensor, accurate and stable temperature, which can safely desolder the temperature-sensitive components, such as QFP, PLCC, SOP, BGA and so on
- Intelligent cooling system, Delay blast after operation, automatic power off when air temperature is less than 100°C
- Powerful heating element allowing short heating time, good welding performances at constant or adjustable temperature
- High quality air pump for low noise and vibration levels

- Anti-Static design to avoid bringing damage to PCB board due to static and creepage
- Available either with European or UK power cord

Supply Voltage 220V  
Power 560W  
Temperature Range +100°C to +480°C  
Volume 23l/min

Air Pump Output Voltage 187 x 135 x 245mm  
Weight 4.5g

643641

Mfrs. List No.	Order Code	Price Each		
		1+	5+	10+
21-10125 UK	206-4551			
21-10125 EU	206-2632			

Replacement Heating Element	
CBB020837	211-3924

● Supplied in packs of 10

### SMD Rework Station



## NEW

- Dual LCD screen immediately displays working conditions and sets of parameters
- Rapid temperature rise
- Convertible temperature units °C/°F
- Cold air and stopping heating
- Hot air gun is compatible with various kinds of nozzles
- Sleep mode, automatic switch-off for energy saving
- Keys for temperature and air flow adjustment placed right on the handle
- Three groups of stored data facilitate usage
- Temperature compensation ensures stable temperature state
- Malfunction alert (displaying H-E for heating elements and S-E for sensor)
- Delivered with both European and UK power cord

Supply Voltage 220V      Temperature Range Hot Air Gun: +100°C to +500°C  
 Power Hot Air Gun: 800W      Soldering Iron: +200°C to +480°C  
 Pump: 40W      Air Volume 20-100% from max.  
 Soldering Iron: 50W

643643

Mfrs. List No.	Order Code	1+	5+	10+	Price Each
21-10130 UK+EU	206-2633				
<b>Replacement Soldering Heating Element</b>					
CBB019822	211-3925				
<b>Replacement Desoldering Heating Element</b>					
CBB020840	211-3926				

### Hot Air and Preheating Rework Station



## NEW

- Quick Heating, up to 350°C only in 10 seconds
- Temperature sensor keeps the output temperature stable
- Optional cool flow can preheat and cool chip
- Working with AT reworking station to deal with BGA and chip IC
- Smart and Compact design and appearance, easy to carry
- Automatic temperature control, Can work continuously working for long hours, not affecting the function of the device and the temperature of panel won't exceed the standard temperature
- Available either with European or UK power cord

Supply Voltage 220V      Volume 0.18m³/min  
 Power 540W      Output Voltage 170 x 55 x 140mm  
 Temperature Range +100°C to +350°C      Weight 1.1kg

643647

Mfrs. List No.	Order Code	1+	5+	10+	Price Each
21-10135 UK	206-4552				
21-10135 EU	206-2634				
<b>Replacement Heating Element</b>					
CBB022791	211-3927				



### INTELLIGENT ONLINE BUYING SYSTEM PROVIDING




Complete cost control, reduced administration time, visibility of your spend, flexibility and personalised to your company's needs.  
[farnell.com/ibuy](http://farnell.com/ibuy)

Mfrs. List No.	Tip Size	Tip Style	Order Code
21-10140	0.8mm	Chisel	206-2635
21-10142	1.2mm	Chisel	206-2636
21-10144	1.6mm	Chisel	206-2637
21-10146	2.4mm	Chisel	206-2638
21-10148	0.5mm	Conical	206-2639
21-10150	0.2mm	Conical	206-2640
21-10152	2mm	45° Chisel	206-2642
21-10154	3mm	45° Chisel	206-2643
21-10156	4mm	45° Chisel	206-2644
21-10158	0.2mm	Conical	206-2645

643652

Mfrs. List No.	Order Code	1+	5+	10+	Price Per Pack
21-10140	206-2635				
21-10142	206-2636				
21-10144	206-2637				
21-10146	206-2638				
21-10148	206-2639				
21-10150	206-2640				
21-10152	206-2642				
21-10154	206-2643				
21-10156	206-2644				
21-10158	206-2645				

Mfrs. List No.	Order Code	1+	+
OIC2000AC	129-9806		

	Mfrs.		Dimensions		Order Code
	List No.		A	B	
<b>General Purpose Nozzles</b>					
	21-10160		2.5mm		206-2646
	21-10168		4.4mm		206-2650
<b>SOP Packages (Dual)</b>					
	21-10170		7.6mm	12.7mm	206-2651
	21-10172		11.7mm	21mm	206-2652
	21-10174		8mm	11.7mm	206-2654
	21-10176		4.8mm	10mm	206-2655
	21-10178		5.7mm	15mm	206-2656
	21-10180		7.2mm	16mm	206-2657
<b>QFP Packages (Quad)</b>					
	21-10162		10.2mm	10.2mm	206-2647
	21-10164		15.2mm	15.2mm	206-2648
	21-10166		28.2mm	28.2mm	206-2649

Mfrs. List No.	Order Code	1+	5+	10+
21-10160	206-2646			
21-10162	206-2647			
21-10164	206-2648			
21-10166	206-2649			
21-10168	206-2650			
21-10170	206-2651			
21-10172	206-2652			
21-10174	206-2654			
21-10176	206-2655			
21-10178	206-2656			
21-10180	206-2657			

643662

**Soldering Station RDS 80**



- 80W power rating
- Unique temperature control technology: the ceramic PTC heating element replaces the function of the thermocouple
- Very fast preheating due to high initial power and fast heat recovery for a stable soldering process
- Great flexibility in handling all applications thanks to its very high heating power and the largest range of soldering tips
- Delivered with Euro plug

- Heating system with highest thermal efficiency
- Newly developed ergonomic handle
- Large digital multi-function power bar graph display
- Precise temperatures can be selected between 150° C and 450° C (302° F - 842° F), and with a touch of a button, 3 fixed temperatures or 2 fixed temperatures and one stand-by temperature can be programmed and selected
- Automatic power-off function
- Thanks to the potential equalization jack (with integrated 220 k resistor) the system can be grounded to the desired resistance of the working environment

Soldering Station:	230V~, 50 Hz	Soldering Iron RT 80:	24 V
Voltage:	230V~, 50 Hz	Voltage:	24 V
Secondary Voltage:	24 V ~	Power Rating:	105 W/280°; 80 W/350° C
Power rating:	80W	Anheizeleistung:	290 W
Control system:	RESISTRONIC	Heating time:	40 s (up to 280° C)
Temperature Range:	150 - 450° C	Weight (with cable):	130 g
Display:	LC-Multifunction	Cable:	1.5 m highly-flexible
Cable:	2 m PVC		

**Station comprises:**  
 ORDS 803 Soldering Station  
 0890CDJ Soldering Iron RT 80  
 with ERSADUR Soldering Tip 842 CD,  
 2.2mm chisel-shaped  
 Tool Holder RH 80 with cleaning sponge

0A39

311435

Mfrs. List No.	Description	Order Code	1+	3+	5+
RDS80	Soldering Station	442-2820			
RT 80	Spare Soldering Iron	134-0721			

**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

Mfrs. List No.	Order Code	1+	+
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

**Digital 2000 Soldering Station**



- Intelligent, microprocessor controlled soldering station
- Antistatic
- The following tools can be operated with this station: soldering irons Tech tool, Micro tool, Power tool, Pincette 40 desoldering tweezers and X-Tool desoldering iron
- User friendly
- Temperature is controlled by a digital PID algorithm

- PTC heating element
- Multi-functional support stand
- Temperature adjustable between 50°C-450°C

Package:	Digital 20 A 84	Digital 20 A 64
	Electronic station DIG 203 A Soldering iron Power tool Supporting stand A 29	Electronic station DIG 203 A Soldering iron Tech tool Supporting stand A 29
Power:	80W/24V	80W/24V
Heat-up time:	ca. 40s (Ambient temperature auf 280°C)	ca. 12s

246958

Package	Order Code	1+
Digital 20A 64	351-1340	
Digital 20A 84	351-1352	

**ERSA i-CON and i-CON 2 soldering stations**



**Innovative solution for intelligent hand soldering**

With the i-CON, Ersa has developed a soldering station which satisfies the requirements for higher operating temperatures and the increasingly smaller process windows for lead-free soldering processes. The extremely small, light, ergonomic and powerful i-Tool soldering iron makes a significant contribution to improved quality, productivity and an enormous reduction in operating costs. As an alternative, tools for desoldering SMD components or wired components can also be fitted. The i-CON series is naturally anti-static.

- **i-Tool soldering iron with a 150 W micro-high-power heating element** This new heating technology allows the i-Tool soldering iron to quickly heat up and reheat to 350 °C from room temperature in approx. 9 secs and from standby (280° C) in approx. 3 secs.

## ERSA i-CON and i-CON 2 soldering stations - continued

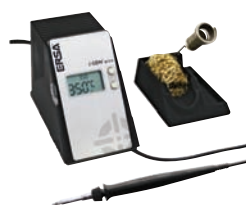
### Innovative solution for intelligent hand soldering - continued

- The heating element and soldering tip are separate from one another. Extremely short distance from the handle to the tip, thin and light cable for maximum comfort.
- **i-Tips lead-free long-life soldering tips** On account of the new ERSADUR-LF-electroplating process, the i-Tips have a long service life and excellent tip precision.
  - **Operator-friendly one-touch operation** Operator-friendly station software with online assistance and simple menu navigation by means of i-Op menu selection. Large multi-functional display
  - **i-Tool calibration** The calibration data is stored on the printed circuit in the handle of the soldering iron. All i-Tools can be calibrated at a central point on account of calibration which is independent of the control station.
  - **Automatic standby sensor** As soon as the i-Tool soldering iron is inserted into the support stand, said support stand identifies the i-Tool and reduces the temperature to the preselected standby temperature after the preselected standby time.
  - **Energy power settings** It is possible to choose from amongst three power settings which control the heating element as a function of the required heat. At the highest setting, the system supplies the maximum power of 150 W; the power is strictly controlled and no overshooting is permitted at the low setting.
  - **Process window and alarm** Visually and audibly informs the operator if the temperature departs from the preselected temperature process window
  - **i-Set tool\*** Further i-CON soldering stations can be automatically configured and blocked with this optional extra. The station settings can easily and quickly - for example using a USB stick - be downloaded from an i-CON to the i-Set tool and employed on a further station within 5 secs.

\*Not part of the standard program; only available by special order

452480

### ERSA i-CON pico soldering station



The i-CON pico soldering station is the best choice for professional soldering. It offers all functions which are appreciated in the industrial production, e.g. fast heating, standby and calibration. With software and an optional micro SD card there is offered more user safety. For i-Tool pico there are some soldering tips available of series 102. Delivered with Euro Plug.

**NEW**

**Items supplied:** electronic station i-CON1, i-Tool soldering iron with 0102CDLF16 soldering tip, 0A50 support stand and Dry Cleaner 0008M

**Technical data:** electronic station 01C113A: continuous power rating: 80 W, supply voltage 230V / 50 Hz, secondary voltage 24 V, temperature range: 150° - 450°  
i-Tool soldering iron: voltage 24 V, power 150 W

517575

Mfrs List No.	Order Code	Price Each	
		1+	3+
soldering station	<b>205-7377</b> ●		
<b>Available for individual order:</b>			
Replacement soldering iron with soldering tip	<b>205-7378</b> ●		
013100J Replacement heating element for i-TOOL	<b>205-7379</b> ●		

### Soldering Station i-CON NANO electronic temperature adjusted

**NEW**



- The i-CON NANO is a microprocessor controlled soldering station, ideal for production, maintenance and laboratory
- Stand-by and Shut-down for energy saving and longer durability
- 3 temperatures and stepless temperature setting
- Quickly heats up and reheats thanks to the high performance heating element
- Soldering tips for each soldering requirement available

**Technical Data**

Power Output: 60W  
Temperature Range: +150°C to +450°C  
Weight i-Tool NANO: 30 g (without cable)

540938

Mfrs. List No.	Order Code	Price Each		
		1+	3+	+
i-CON NANO, EU plug	<b>172-7686</b> ●			
i-CON NANO UK plug	<b>174-0474</b> ●			
i-TOOL NANO	<b>184-5781</b> ●			

### ERSA i-CON1 01C1100A soldering station electronic temperature adjusted



**Items supplied:** electronic station i-CON1, i-Tool soldering iron with 0102CDLF16 soldering tip, 0A50 support stand and Dry Cleaner 0008M

**Technical data:** electronic station 01C113A: continuous power rating: 80 W, supply voltage 230V / 50 Hz, secondary voltage 24 V, temperature range: 150° - 450°  
i-Tool soldering iron: voltage 24 V, power 150 W

517575

Mfrs List No.	Order Code	Price Each	
		1+	3+
01C1100A soldering station, euro plug	<b>162-5358</b> ●		
<b>Available for individual order:</b>			
0100CDJ Replacement soldering iron with soldering tip	<b>120-3963</b> ●		
010102J Replacement heating element for i-TOOL	<b>120-3965</b> ●		

### ERSA i-CON1 C 01C1100A0C soldering station with interface



**Items supplied:** electronic station i-CON1, i-Tool soldering iron with 0102CDLF16 soldering tip, 0A50 support stand and Dry Cleaner 0008M

**Technical data:** electronic station 01C113A: continuous power rating: 80 W, supply voltage 230V / 50 Hz, secondary voltage 24 V, temperature range: 150° - 450°  
i-Tool soldering iron: voltage 24 V, power 150 W

517593

Mfrs List No.	Order Code	Price Each	
		1+	3+
01C1100A0C soldering station, euro plug	<b>162-5360</b> ●		
<b>Available for individual order:</b>			
0100CDJ Replacement soldering iron with soldering tip	<b>120-3963</b> ●		
010102J Replacement heating element for i-TOOL	<b>120-3965</b> ●		

### ERSA i-CON2 01C2000A dual-soldering station



**Items supplied:** electronic station i-CON2, i-Tool soldering iron with 0102CDLF16 soldering tip, 0A48 support stand and Dry Cleaner 0A08MSET

**Technical data:** electronic station 01C203A: continuous power rating 80 W, supply voltage 230V / 50 Hz, secondary voltage 24 V, temperature range: 150° - 450°  
i-Tool soldering iron: voltage 24 V, power 150 W

517594

Mfrs List No.	Order Code	Price Each	
		1+	3+
01C2000A dual-soldering station, euro plug	<b>162-5359</b> ●		
<b>Available for individual order:</b>			
0100CDJ Replacement soldering iron with soldering tip	<b>120-3963</b> ●		
010102J Replacement heating element for i-TOOL	<b>120-3965</b> ●		

### ERSA i-CON2 C 01C2000A0C soldering station with interface



**Items supplied:** electronic station i-CON2, i-Tool soldering iron with 0102CDLF16 soldering tip, 0A48 support stand and Dry Cleaner 0A08MSET

**Technical data:** electronic station 01C203A: continuous power rating 80 W, supply voltage 230V / 50 Hz, secondary voltage 24 V, temperature range: 150° - 450°  
i-Tool soldering iron: voltage 24 V, power 150 W

517599

Mfrs List No.	Order Code	Price Each	
		1+	3+
01C2000A0C soldering station	<b>162-5361</b> ●		
<b>Available for individual order:</b>			
0100CDJ Replacement soldering iron with soldering tip	<b>120-3963</b> ●		
010102J Replacement heating element for i-TOOL	<b>120-3965</b> ●		



## MSAPN

### Weatherproof Line Transient Barriers



- The MSAPN barrier uses the proven circuitry of the standard SAPN barrier within an IP65 sealed enclosure to provide an economical weatherproof PSTN protector complete with external M5 earth bolt and cable glands.
- Fully auto resetting - maintenance free

L = 120 (165 incl. glands), W = 80, H = 55

452212

Type	Clamping		Price Each		
	Voltage	Order Code	1+	5+	10+
MSAPN	200V	262-638			

## DP200/BT

### Telecom Lightning Protector



- Protects fax, modems, telemetry and other telecom equipment from lightning surges
- BAPT certified OFTEL approved
- Maintenance free operation
- Resets automatically after surge
- Full 4 wire protection

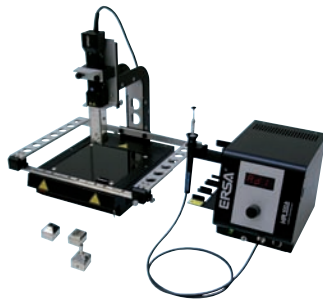
Surge protection 10000A  
In-line resistance 5Ω per line

452213

List No.	Order Code	Price Each		
		1+	5+	10+
DP200/BT	304-7714			

## Hybrid Rework System HR 100 A

### Revolutionary Hybrid Rework Technology



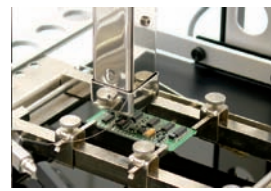
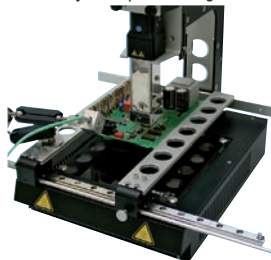
#### Advantages of Hybrid Technology:

- Low cost & easy to use
- Hybrid technology combines safe IR-radiation and convection
- Uniform heating with minimal air movement and turbulence
- No chip blowing; low noise rework blower (below 40db)
- Designed for beginners & advanced operators
- Widest range of components with only three Hybrid Adaptors
- Powerful 800 W Safe IR-heating plate for preheating of thick substrates (IRHP100A)

The new HR 100A uses ERSA's revolutionary Hybrid Rework Technology (patent pending) for the safest removal and replacement of small SMDs in a lead free environment! Safe, medium wave IR- radiation combined with a gentle hot air stream guarantees optimal energy transfer to the component. The Hybrid Tool delivers smooth and homogeneous heat to lead free components sizing from Q201s to 20 x 20 mm SMDs. Exchangeable Hybrid Adaptors focus 200 W of hybrid heating power onto the component while protecting neighbouring areas from heat damage. The user friendly operation allows for even non experienced operators to handle the HR 100 A safely and quickly. Advanced operators using the HR/IRHP 100A complete system can not only set air volume and heating power, but they can also run & record profiles! The ergonomically designed Hybrid Tool handle contains a positioning laser which helps the operator to focus the heat precisely throughout the entire process. With the ERSA VacPen attached to the basic unit, safe component handling is ensured. Via the Mini-USB port, the HR 100A can be connected to ERSA's top of the line and well established rework software, ERSA IRSoft. IRSoft provides multiple functions to operate the system, set and store process parameters and document all soldering or desoldering results. The HR 100 A has been designed to be used with the IRHP 100A, an 800 W IR-heating plate. This complete set provides powerful & safe IR bottom side heating as well as a Z-axis tool stand for the Hybrid Tool and an x-y PCB board holder. The Ktype thermocouple included monitors PCB temperature and even allows for a closed loop soldering processes with ramp profiles. The HR/IRHP 100A set fulfils all needs of a modern Rework System: provides highest flexibility at the lowest cost!

#### Technical Highlights:

- Hybrid Tool with 200 W combined Infrared and convection heating element
- Three exchangeable Hybrid Adaptors (6 x 6 mm, 10 x 10 mm & 20 x 20 mm)
- Positioning laser in the Hybrid Tool handle
- HR 100A station controls Hybrid Tool with integrated vacuum pump and VacPen, tool holder and K-Typ TC input socket, Mini USB interface, 7-segment LED- display, single knob Turn & Push control and connection socket for optional heating plate
- K-type thermocouple AccuTC and Flexpoint TC



- holder (optional)
- ERSA IRSoft Rework Control- and Documentation software (optional)
- 800 W IR-heating plate with glass cover, 125 x 125 mm high performance heating element, Z axis adjustable tool holder and x-y PCB board holder to precisely fix PCBs up to 290 x 250mm (IRHP100A)

- Antistatic surface, suited for the application in ESD areas, EMV-tested
- CE Conformity

#### Hybrid rework system HR 100A, basis station

Mains voltage	220-240 VAC
Mains frequency	50-60 Hz
Fuse (slow-blow)	2 A
Secondary voltage	13 VAC
Maximum heating power	200 W
Safety class	I
Ambient temperature	0 - 40°C
Temperature range (air outlet)	30 - 550°C
Function display	LED-Display
PC-interface	Mini USB
Vacuum pressure	-0,2 to -0,4 bar
Dimensions	211 x 220 x 168 mm
Weight	4,5 kg
Supply line	2m, PVC, with connector
Single-knob control	via incremental encoder

#### Heating plate IRHP100A

Mains voltage	220-240 VAC
Mains frequency	50-60 Hz
Fuse (slow-blow)	4 A
Maximum heating power	800 W
Safety class	I
Dimensions	
Basis station	211 x 220 x 168 mm
Heating plate	200 x 260 x 53,5 mm
Height of tool attachment	214,5 mm
Circuit board holder	330 x 250 mm
Weight	2,5 kg
Supply line	2m, PVC, with connector
Control line	with RCA(Cinch)-connector

505769

	Order Code	Price Each
Hybrid Rework System with Heating Plate 0IRHR100A-HP	155-3433	
Hybrid Rework System 0IRHR100A	155-3435	

## Ersa Tips & Accessories

### SMD Tip Holder SMD8012



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

#### Kit Contains:

SMD soldering tips	SMD desoldering tips
212BD Chisel 0.4mm	422ED 6mm for SOIC8
212CD Chisel 1.0mm	422FD1 10mm for SOIC16
212ED Chisel 1.8mm	422FD2 15mm for SOIC24
212KD Long Chisel 1.8mm	422QD1 12.5mm for PLCC28
	422QD3 17.5mm for PLCC44
	422QD4 20mm for PLCC52
	422QD2 25mm for PLCC68
	422MD for MELFs and MiniMELFs

212647

Mfrs. List No.	Order Code	Price Each
SMD 8012	874-656	

### SMD Tip Holder SMD8013



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

#### Kit Contains:

SMD soldering tips	SMD desoldering tips
212SD round 0.2mm	422ED for SOIC8
212BD round 0.4mm	422FD1 for SOIC16
212CD chisel 1.0mm	422FD4 for SOIC20
212ED chisel 1.8mm	422FD2 for SOIC24
212FD chisel 2.2mm	422FD5 for SOIC28
212GD chisel 3.2mm	422FD6 for SOIC32
212WD miniMicroWell 1.6mm	422QD5 for PLCC20
212MS MicroWell 2.3mm	422QD3 for PLCC44
	422SD for MicroMELF
	422MD for MELFs and MiniMELFs

212648

Mfrs. List No.	Order Code	Price Each
SMD8013	306-1036	3+

## 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.

Mfrs. List No.	Tip Type	Tip Size	Order Code	Price Each		
				1+	5+	10+
0832BDFL/SB	Pencil	1mm	112-0032			
0832CDFL/SB	Chisel	2.2mm	112-0033			
0832EDFL/SB	Chisel	3.2mm	112-0034			
0832FDL/SB	Angled Faced	2mm	112-0035			
0832GDLF/SB	Angled Faced	14mm	112-0036			
0832KDLF/SB	Chisel	2.2mm	112-0038			
0832MDLF/SB	Angled Faced	17mm	112-0040			
0832NDLF/SB	Angled Faced	4mm	112-0041			

**Ersa Tips - continued**

**ERSADUR Soldering and Desoldering Tips 832 Series - continued**

Mftrs. List No.	Tip Type	Tip Size	Order Code	Price Each		
				1+	5+	10+
0832SDLF/SB	Pencil	0.8mm	112-0042			
0832TDLF/SB	Angled Faced	3mm	112-0044			
0832UDLF/SB	Pencil	0.4mm	112-0045			
0832VDLF/SB	Chisel	5mm	112-0046			
0832YDLF/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.

Mftrs. List No.	Tip Type	Tip Size	Order Code	Price Each		
				1+	5+	10+
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, REWORK 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.

Mftrs. List No.	Tip Type	Tip Size	Order Code	Price Per Pair		
				1+	5+	10+
0422ED	SOIC 8	6mm	874-553			
0452FDLF175/SB	SOIC 28	17.5mm	776-4871			
0422FD7/SB	SOIC 40	25mm	155-3438			
0422MD	Pincette	2mm	874-632			
422 SD	Pincette	0.2mm	874-644			

**ERSADUR Soldering Tips Serie 212**

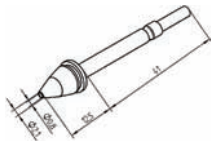
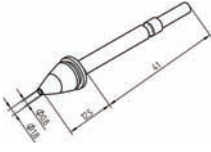
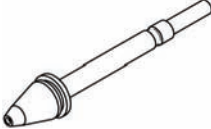

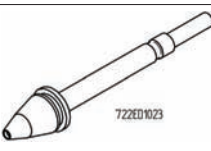
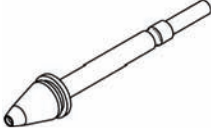
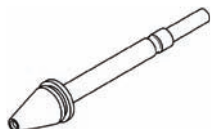
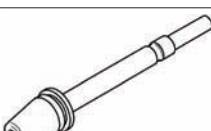
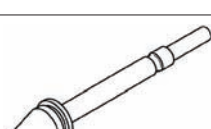

Suitable for: ANALOG 20 A, DIGITAL 2000 A with Micro Tool soldering iron, MICRO-CON 60 iA with Micro Tool soldering iron, REWORK 80, SMD 8000, SMT UNIT 60 A / AS, TWIN 40 A / AS, TWIN 80 A with Micro Tool soldering iron.

Mftrs. List No.	Tip Type	Tip Size	Order Code	Price Each		
				1+	5+	10+
0212RD	40° Pencil	0.2mm	776-4820			
0212ID	30° Pencil	0.6mm	776-4804			
0212WD	MiniMicroWell	1.6mm	776-4839			
212 MS	Blade	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

Mftrs. List No.	Tip Type	Tip Size	Order Code	Price Each		
				1+	5+	+
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 Faced	2mm	120-3977			
0102BDF20/SB	Blade	2mm	120-3979			
0102WDLF16/SB	Solder Well	1.6mm	120-3980			
0102WDLF23/SB	Solder Well	2.3mm	120-3981			
0102WDLF35/SB	Solder Well	3.5mm	120-3982			
<b>Spare i-Tip-Fastener</b>						
3IT1040-00			120-3983			

Model	Description	Width	Mftrs. List No.
	Desoldering Tip	2.1	0722ED0821
	Desoldering Tip	1.8	0722EN0818
	Desoldering Tip	2.3	0722EN0823
	Desoldering Tip	2	0722EN1020
	Desoldering Tip	2.3	0722EN1023
	Desoldering Tip	2.3	0722EN1223
	Desoldering Tip	2.9	0722EN1529
	Desoldering Tip	4.8	0722EN1548
	Desoldering Tip	3.2	0722EN2332
	Desoldering Tip	3.2	0722EN2348

Mftrs. List No.	Order Code	Price Each		
		1+	5+	10+
0722ED0821	186-6257			
0722EN0818	186-6258			
0722EN0823	186-6259			
0722EN1020	186-6260			
0722EN1023	186-6261			
0722EN1223	186-6262			
0722EN1529	186-6263			
0722EN1548	186-6264			
0722EN2332	186-6265			
0722EN2348	186-6267			

## Cleaning sponge

Viscose blue



- High-quality synthetic cleaning sponge
- Suitable for all ERSA soldering stations in the list (Stands A09, 10, 13, 16, 24, 28, 29, 30, 34, 35, 36)

242563

	Order Code	Price Each		
		1+	5+	10+
Cleaning sponge	412-0693			

## OKI/Metcal Soldering/De-Soldering Stations

### SmartHeat® Technology



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-xxxxx 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	1+
<b>Replacement Accessories</b>			
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)

337983

Description	Mfrs. List No.	Order Code	Price Each
Soldering Station	SP200-21	495-0379	
<b>Replacement Accessories</b>			
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

- Compatible with hand piece 1629932 Rework tweezers
- MFR-1110, uses SFP-\*\*\* series tips
- Automatic power down when idle
- Small shaft diameter provides access to tightly cramped rework areas

**MFR-1110 Contents:** Control Unit, Soldering/Rework Handpiece and Workstand.

**MFR-UK2 Contents:** Solder Tip Handpiece (MFR-H2-ST) and Workstand (WS1).

**MFR-UK4 Contents:** Tweezer Handpiece (MFR-H4-TW) and Workstand (MFR-WSPT).

**MFR-UK5 Contents:** Desolder Handpiece (MFR-H5-DS) and Workstand (MFR-WSDSX).

518637

Description	Mfrs. List No.	Order Code	Price Each
Soldering Station	MFR-1110	162-9771	1+
<b>Accessories</b>			
Solder Tip Handpiece and Workstand	MFR-UK2	NEW 207-8485	
Tweezer Handpiece and Workstand	MFR-UK4	NEW 207-8483	
Desolder Handpiece and Workstand	MFR-UK5	NEW 207-8482	
Soldering / Rework Hand-piece	MFR-H1-SC	162-9933	
Workstand with sponge	WS1	134-1341	

## MFR-1150 Desoldering System



The MFR-1150 desolder system with venturi workstand provides a shop air option for all MFR series power supplies. This system is a complete shop air desoldering system that includes a power supply, desolder hand-piece and venturi workstand. The MFR-UK5 Upgrade kit can also turn your existing MFR-1100 or MFR-2200

series systems and older MFR-abc systems into a state-of-the-art desoldering system. The built in venturi provides 25 inHg (.85 Bar), which substantially increases desolder capability. The new hand-piece has been designed to be used in two configurations. The MFR-H5-DS can be used as a pencil or as a pistol style by simply adding a clip on grip supplied with the hand-piece. Solder collection capabilities have been increased by 40% from previous MFR desolder systems and the innovative replaceable collection chamber enables reduced downtime and quicker changeover.



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.

**MFR-2210 Contents:** Control Unit, Soldering/Rework Handpiece (MFR-H1-SC) and Workstand.

**MFR-UK1 Contents:** Solder Cartridge Handpiece (MFR-H1-SC) and Workstand (WS1).

**MFR-UK2 Contents:** Solder Tip Handpiece (MFR-H2-ST) and Workstand (WS1).

**MFR-UK4 Contents:** Tweezer Handpiece (MFR-H4-TW) and Workstand (MFR-WSPT).

**MFR-UK5 Contents:** Desolder Handpiece (MFR-H5-DS) and Workstand (MFR-WSDSX).

518780

Description	Mfrs. List No.	Order Code	Price Each
Solder/Rework Station	MFR-2210	162-9930	
<b>Accessories</b>			
Solder Cartridge Handpiece and Workstand	MFR-UK1	<b>NEW</b> 207-8484	
Solder Tip Handpiece and Workstand	MFR-UK2	<b>NEW</b> 207-8485	
Tweezer Handpiece and Workstand	MFR-UK4	<b>NEW</b> 207-8483	
Desolder Handpiece and Workstand	MFR-UK5	<b>NEW</b> 207-8482	
Soldering / Rework Handpiece	MFR-H1-SC	162-9933	
Soldering Hand-piece	MFR-H2-ST	162-9934	
Workstand with sponge	WS1	134-1341	
Precision Tweezer Hand-piece	MFR-H4-TW	162-9932	



## MFR-2241 Precision Tweezer, Soldering and Rework System



- Powered by Metcal SmartHeat® technology
- Mains and Hand-piece Ground Detection
- Brass cleaning pad for removal of lead free solder tarnish
- Auto sleep work stand for extended tip life with lead free
- Both handpieces simultaneously powered
- Automatic power down when not in use

- 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-H1-SC Hand-piece: see SFP-Series
- Tips for MFR-H4-TW Precision Tweezer Handpiece: see TFP-Series

The above mentioned tips are designed for use with glass fibre (FR4) PCB substrates.

**MFR-2241 Contents:** Control Unit, Precision Tweezer Handpiece (MFR-H4-TW), Tweezer Workstand (MFR-WSPT), Solder/Rework Handpiece (MFR-H1-SC) and Workstand (WS1).

**MFR-UK2 Contents:** Solder Tip Handpiece (MFR-H2-ST) and Workstand (WS1).

**MFR-UK5 Contents:** Desolder Handpiece (MFR-H5-DS) and Workstand (MFR-WSDSX).

518799

Description	Mfrs. List No.	Order Code	Price Each
Soldering and Rework System	MFR-2241	162-9929	
<b>Accessories</b>			
Solder Tip Handpiece and Workstand	MFR-UK2	<b>NEW</b> 207-8485	
Desolder Handpiece and Workstand	MFR-UK5	<b>NEW</b> 207-8482	
Precision Tweezer Hand-piece	MFR-H4-TW	162-9932	
Soldering / Rework Hand-piece	MFR-H1-SC	162-9933	
Workstand with sponge	WS1	134-1341	

## MFR-1150 Desoldering System - continued

- SmartHeat® Technology provides exceptional power for high thermal demand applications
- High-power output at a fixed temperature provides high throughput with excellent yields
- Four handpieces available for increased application solutions for soldering and rework on one system
- Each handpiece has a comprehensive range of soldering cartridges or tips for maximum flexibility
- Handpieces are ergonomic for operator safety and comfort
- Input line voltage: 100- 240VAC
- Input line frequency: 50/60Hz grounded circuit
- Power consumption: 65W max.
- Output power: 60W max
- Output frequency: 450KHz
- Ambient operating temperature: 10°C to 40°C
- Maximum enclosure temperature: 55°C

**MFR-1150 Contents:** Control Unit, Desolder Handpiece, Workstand, Fittings and Air Hose Kit and Tip cleaner.

**MFR-UK1 Contents:** Solder Cartridge Handpiece (MFR-H1-SC) and Workstand (WS1).

**MFR-UK2 Contents:** Solder Tip Handpiece (MFR-H2-ST) and Workstand (WS1).

**MFR-UK4 Contents:** Tweezer Handpiece (MFR-H4-TW) and Workstand (MFR-WSPT).

**MFR-UK5 Contents:** Desolder Handpiece (MFR-H5-DS) and Workstand (MFR-WSDSX).

651558

Description	Mfrs. List No.	Order Code	Price Each
Desoldering System Kit	MFR-1150	207-8469	
<b>Replacement Accessories</b>			
Universal Workstand with Venturi Box	MFR-WSDSX	207-8470	
Desolder Handpiece and Workstand	MFR-UK5	207-8482	
<b>Upgrade Kit</b>			
Solder Cartridge Handpiece and Workstand	MFR-UK1	207-8484	
Solder Tip Handpiece and Workstand	MFR-UK2	207-8485	
Tweezer Handpiece and Workstand	MFR-UK4	207-8483	

## MFR-1300 SmartHeat® Desoldering System



The MFR-1300 Series Desoldering and Rework Systems are the next generation of standalone desoldering equipment from OKI International. The new power supply features an internal pump providing 0.7 bar of vacuum suction force combined with SmartHeat® technology that makes

**NEW**

through-hole desoldering easy and keeps your products safe from board damage. The new hand-piece has been designed to be used in two configurations. The MFR-H5-DS can be used as a pencil or as a pistol style by simply adding a clip on grip supplied with the hand-piece. Solder collection capability has been increased by 40% from previous MFR desolder systems and the innovative replaceable collection chamber enables reduced downtime and quicker changeover.

- Self-contained powerful pump
- 2 in 1 ergonomic and flexible hand-piece: pencil or pistol
- Collection chamber with 40% increased capacity
- Innovative collection chamber for quick and easy change
- Dual switchable output
- Compatible with previous MFR Desolder range

**MFR-1350 Contents:** Power Supply, Desoldering Handpiece and Workstand.

**MFR-1351 Contents:** Power Supply, Desoldering Handpiece, Soldering Handpiece, Desoldering Workstand and Soldering Workstand.

**MFR-UK1 Contents:** Solder Cartridge Handpiece (MFR-H1-SC) and Workstand (WS1).

**MFR-UK2 Contents:** Solder Tip Handpiece (MFR-H2-ST) and Workstand (WS1).

**MFR-UK4 Contents:** Tweezer Handpiece (MFR-H4-TW) and Workstand (MFR-WSPT).

636423

Description	Mfrs. List No.	Order Code	Price Each
Solder / Desolder System with Internal Pump	MFR-1350	190-9694	
Desolder System with Internal Pump	MFR-1351	190-9695	
<b>Replacement Accessories</b>			
Desoldering Handpiece	MFR-H5-DS	190-9696	
Desoldering Workstand	MFR-WSDSU	190-9697	
Universal Workstand with Venturi Box	MFR-WSDSX	<b>NEW</b> 207-8470	
<b>Optional Accessories</b>			
Solder Cartridge Handpiece and Workstand	MFR-UK1	<b>NEW</b> 207-8484	
Solder Tip Handpiece and Workstand	MFR-UK2	<b>NEW</b> 207-8485	
Tweezer Handpiece and Workstand	MFR-UK4	<b>NEW</b> 207-8483	
Disposable Collection Chamber (Pk10)	MFR-DC10	190-9698	
Replacement Grip for Desoldering Handpiece	MFR-PG	190-9699	
Vacuum Port Filter	AC-VPF	190-9700	
Seal Kit Collection Chamber (Pk2)	AC-SK1	190-9701	
Vacuum Port	AC-VP	190-9702	
ESD Air Hose	AC-VL	190-9703	

## MX-5000 Soldering, Desoldering and Rework System



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



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

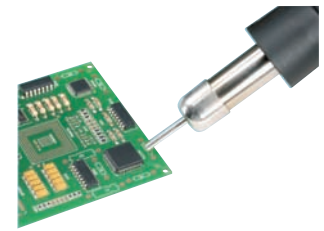
The MX-5020 includes the Metcal UltraFine™ Soldering Hand-piece. Using the all-new UFC cartridges, the hand-piece is a speciality tool for soldering and touch-up of very small components, restricted access or high density component packaging on a PCB.

### 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 for soldering and SMD rework 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.



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 0201 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 airflow (individually adjustable)
- Fully ESD compliant

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

Supply Voltage	230V 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	Mftrs. List No.	Order Code	Price Each
Soldering/De-Soldering Station	HCT-900-21	101-5504	

## PCT-100 Convection Pre-heater



This new pre-heater targets heat for improved speed and efficiency for high thermal demand applications, including lead-free. Used for SMT and through-hole hand processes, the PCT-100 uses convection air heating to heat a PCB first, for better soldering, improved process control and increased productivity.

- Accelerates and enhances the lead-free SMT & through-hole rework process
- Temperature ramps up quickly, maximizing productivity
- Adjustable knob controls the required temperature to below 300°C
- Controlled cool-down eliminates thermal shock to PCB and components
- Thermocouple feedback temperature control regulates output temperature
- System safety feature automatically shuts off heating when fan is stopped
- ESD safe
- PCT100 230V Kit Contains: PCT-100-21, BH-100 and PCT-AR

481047

Description	Mftrs List No.	Order Code	Price Each
PCT-100 230V Unit	PCT-100-21	143-6573	1+
PCT-100 230V Kit	PCT-102-21	143-6574	
Board Holder	BH-100	143-6575	
Arm Rest	PCT-AR	143-6577	

## Desoldering Handpiece and Workstand



The MFR-H5-DS can be used as a pencil or as a pistol style by simply adding a clip on grip supplied with the hand-piece. MFR-UK5 can be used to upgrade with systems MFR-1110, MFR-2220 and MFR-2241.



Contents: Desoldering Handpiece (MFR-H5-DS) and Workstand (MFR-WSDSX).

651560

Description	Mftrs. List No.	Order Code	Price Each
Desolder Handpiece and Workstand	MFR-UK5	207-8482	1+

Content of each single Soldering System					
Mftrs 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

Mftrs List No.	Description	Order Code	Price Each
MX-5010	Soldering /Rework System	169-7226	1+
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	

# OKI/Metcal Soldering/De-Soldering Stations - continued



## Tweezer Handpiece and Workstand



**NEW**

Precision tweezers hand-piece for MFR-1100 and MFR-2200 Series Systems. This hand-piece is ideal for SMD removal of 0201 resistors to 28 mm long SOIC. For use with TxP Tweezer Cartridges. MFR-UK4 can be used to upgrade with systems MFR-1110, MFR-1150, MFR-1350, MFR-1351 and MFR-2220.

**Contents:** Tweezer Handpiece (MFR-H4-TW) and Workstand (MFR-WSPT).

651561

Description	Mftrs. List No.	Order Code	Price Each
Tweezer Handpiece and Workstand	MFR-UK4	207-8483	1+

## Soldering Handpiece and Workstand



**NEW**

Soldering tip hand-piece for MFR-1100 and MFR-2200 Series Systems. Features high power and tips designed for production soldering environments. Includes MFR-CA2 Coil Assembly for use with SxV and CxV tips. MFR-UK2 can be used to upgrade with systems MFR-1110, MFR-1150, MFR-1350, MFR-1351, MFR-2210 and MFR-2241.

**Contents:** Solder Tip Handpiece (MFR-H2-ST) and Workstand (WS1).

651563

Description	Mftrs. List No.	Order Code	Price Each
Solder Tip Handpiece and Workstand	MFR-UK2	207-8485	1+

## Soldering Handpiece and Workstand



**NEW**

MFR-UK1 can be used to upgrade with systems MFR-1150, MFR-1350 and MFR-2210.

**Contents:** Solder Cartridge Handpiece (MFR-H1-SC) and Workstand (WS1).

651562

Description	Mftrs. List No.	Order Code	Price Each
Solder Cartridge Handpiece and Workstand	MFR-UK1	207-8484	1+

## 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.

373496.410648

Tip Size	Tip Length	Tip Type	Mftrs. List No.	Order Code	Price Each
1mm	11mm	30° Chisel	PHT-750315	776-4316	
1.5mm	11.9mm	30° Chisel Bent	PHT-750326	776-4324	
1.78mm	9.9mm	30° Chisel	PHT-750335	776-4332	
2.5mm	9.9mm	30° Chisel	PHT-751355	776-4340	
1.5mm	9.9mm	60° Chisel	PHT-750325	776-4359	
3mm	16.5mm	30° Chisel	PHT-751367	776-4367	
5mm	7.6mm	30° Chisel	PHT-751384	776-4375	
0.25mm	14.7mm	60° Conical	PHT-752017	776-4383	
0.5mm	8.4mm	Conical	PHT-752035	776-4391	
1mm	13.5mm	Conical	PHT-752057	776-4405	
0.4mm	16.0mm	Conical Bent	PHT-752327	776-4413	
0.5mm	7.9mm	Conical Bent	PHT-752335	776-4421	
1.5mm	15.0mm	60° Mini Hoof	PHT-754637	776-4430	
3mm	17mm	60° Hoof	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
	1.5x9.9	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 Mftrs. 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		5x7.6	Extra Large Chisel 30°	495-0513	495-0616	STTC-X17
3		0.4x8.4	Conical Sharp	495-0525	495-0628	STTC-X22
4		1x9.1	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

No.	TIP IMAGE	SIZE (WxL) mm	DESC.	TIP SERIES/ ORDER CODE		TYPE NO.
				600°F	700°F	
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

339263

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.

450658

Tip / Noz- zle Size	Tip Length	Tip Type	Mfrs. List No.	Order Code	Price Each
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#### Power Heater Tips

0.5mm	8.5mm	Conical	SFV-CN05	127-7177	
1mm	11mm	30° Chisel	SFV-CH10	127-7178	
2mm	10mm	30° Chisel	SFV-CH20	127-7179	
2.5mm	11mm	30° Chisel	SFV-CH25	127-7180	
5mm	10mm	30° Chisel	SFV-CH50	127-7181	
1.5mm	12.2mm	30° Chisel Bent	SFV-CHB15	156-0741	
1.4mm	15.0mm	60° Conical	SFV-CNL14	127-7183	
1mm	13mm	Conical	SFV-CNL10	127-7184	
0.4mm	13.6mm	Conical	SFV-CNL04	127-7185	

#### "Easy Access" Power Heater Tips

0.5mm	13.7mm	Conical	SFV-CN05A	136-2241	
1mm	15.0mm	Conical	SFV-CNL10A	136-2242	
1.5mm	13.4mm	Chisel	SFV-CH15A	136-2243	
1.8mm	13.4mm	Fine Point	SFV-CH18A	136-2244	
2.5mm	13.4mm	Chisel	SFV-CH25A	136-2245	
0.3mm	18.4mm	Conical	SFV-CNL03A	136-2246	
0.4mm	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

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### PTCC Soldering Tips

For use with the MX-PTZ Hand-piece



Tip Image	Size (WxL) mm	Desc.	Order Code	Mfrs. List No.
	0.4 x 19	Conical	170-5205	PTTC-701
	0.4 x 14.3	30° Bent	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

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.

535417

Tip Size	Tip Length	Tip Type	Mfrs. List No.	Order Code	Price Each
0.4mm	19mm	Conical	PTTC-701	170-5205	1+
0.4mm	14.3 mm	30° Bent	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	

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UFTC Soldering Tips

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



Tip Image	Size (WxL) mm	Desc.	Order Code	Mfrs. List No.
	0.6 x 5.1	Chisel	170-5200	UFTC-7CH06
	0.8 x 5.1	Chisel	170-5201	UFTC-7CH08
	1.2 x 5	Chisel	208-0087	UFTC-7CH12
	0.6 x 9	Chisel	208-0085	UFTC-7CHL06
	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
	0.4 x 9	Conical	208-0086	UFTC-7CNL04
	0.8 x 5.1	Hoof	208-0088	UFTC-7DRH408

535413

Tip Size	Tip Length	Tip Type	Mfrs. List No.	Order Code	Price Each 1+
0.6mm	5.1mm	Chisel	UFTC-7CH06	170-5200	
0.8mm	5.1mm	Chisel	UFTC-7CH08	170-5201	
1.2mm	5mm	Chisel	UFTC-7CH12	NEW 208-0087	
0.6mm	9mm	Chisel	UFTC-7CHL06	NEW 208-0085	
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	
0.4mm	9mm	Conical	UFTC-7CNL04	NEW 208-0086	
0.8mm	5.1mm	Hoof	UFTC-7DRH408	NEW 208-0088	

- 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

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	

- Conduction removal of two sided surface mount components
- The geometries are specifically designed for larger SMT Chip and Dual in-line SOIC components

477016

Tip Type	Width	Mfrs. List No.	Order Code	Price Each	
				1+	5+
Heavy Duty Cartridge	6.35mm	TFP-BLH40	142-0238		
Heavy Duty Cartridge	16mm	TFP-BLH50	142-0241		
Heavy Duty Cartridge	20.5mm	TFP-BLH60	142-0242		
Heavy Duty Cartridge	28mm	TFP-BLH70	142-0243		

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

429214

Mfrs. List No.	Tip Width	Tip Length	Tip Style	Order Code	Price Each
<b>Glass Fiber Tip Cartridges</b>					
SFP-CH10	1mm	9.2mm	30° Chisel	116-1525	
SFP-CH15	1.5mm	10mm	30° Chisel	116-1526	
SFP-CH20	2mm	10mm	30° Chisel	116-1527	
SFP-CHL20	2mm	16.04mm	60° Chisel	116-1530	
SFP-CH25	2.5mm	10mm	30° Chisel	116-1528	
SFP-CH30	3mm	11mm	30° Chisel	NEW 190-9717	
SFP-CH35	3.5mm	11mm	30° Chisel	NEW 190-9718	
SFP-CH50	5mm	7.6mm	30° Chisel	116-1529	
SFP-CN04	0.4mm	8.6mm	Conical	116-1531	
SFP-CNL04	0.4mm	14.9mm	Conical	116-1533	
SFP-DRH15	1.5mm	16.5mm	15° Hoof	116-1534	
SFP-DRH615	1.5mm	11.6mm	60° Hoof	NEW 190-9719	
SFP-DRH35	3.5mm	17.78mm	Hoof	116-1535	
RFP-BL1	10.4mm	9.14mm	Blade	NEW 190-9735	
RFP-BL2	15.4mm	9.14mm	Blade	NEW 190-9736	
<b>Ceramic Tip Cartridges (420°C)</b>					
SCP-CH10	1mm	9.2mm	30° Chisel	NEW 190-9720	
SCP-CH15	1.5mm	10mm	30° Chisel	NEW 190-9722	
SCP-CH20	2mm	10mm	30° Chisel	NEW 190-9723	
SCP-CH25	2.5mm	10mm	30° Chisel	NEW 190-9724	
SCP-CH30	3mm	11mm	30° Chisel	NEW 190-9725	
SCP-CH35	3.5mm	11mm	30° Chisel	NEW 190-9726	
SCP-CH50	5mm	7.6mm	30° Chisel	NEW 190-9727	
SCP-CHL20	2mm	16.04mm	60° Chisel	NEW 190-9728	
SCP-CN04	0.4mm	8.6mm	Conical	NEW 190-9729	
SCP-CNL04	0.4mm	14.9mm	Conical	NEW 190-9730	
SCP-DRH15	1.5mm	16.5mm	15° Hoof	NEW 190-9731	
SCP-DRH35	3.5mm	17.78mm	Hoof	NEW 190-9732	
SCP-DRH615	1.5mm	11.6mm	60° Hoof	NEW 190-9734	



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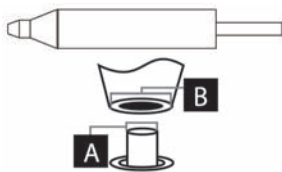
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## Desoldering Cartridges

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
- F=FR4/Fibre glass, for most standard applications
- C=Ceramic for high thermal demand applications

429254

Mftrs. List No.    Ø A mm    Ø B mm    Order Code    Price Each

### Glass Fiber Desoldering Tips

DFP-CN2	0.67mm	1.8mm	116-1536	
DFP-CN3	0.79mm	2.05mm	116-1537	
DFP-CN4	1.05mm	2.3mm	116-1538	
DFP-CN5	1.31mm	2.65mm	116-1539	
DFP-CN6	1.55mm	2.85mm	116-1540	
DFP-CN7	2.44mm	3.65mm	116-1541	

### Ceramic Desoldering Tips (420°C)

DCP-CN3	0.79mm	2.05mm	NEW 190-9707	
DCP-CN4	1.05mm	2.3mm	NEW 190-9709	
DCP-CN5	1.31mm	2.65mm	NEW 190-9711	
DCP-CN6	1.55mm	2.85mm	NEW 190-9712	
DCP-CN7	2.44mm	3.65mm	NEW 190-9713	

### Glass Fiber Long Reach Desoldering Tips

DFP-CNL3	0.79mm	2.05mm	NEW 190-9704	
DFP-CNL4	1.05mm	2.3mm	NEW 190-9705	
DFP-CNL5	1.31mm	2.65mm	NEW 190-9706	

### Ceramic Long Reach Desoldering Tips (420°C)

DCP-CNL3	0.79mm	2.05mm	NEW 190-9714	
DCP-CNL4	1.05mm	2.3mm	NEW 190-9715	
DCP-CNL5	1.31mm	2.65mm	NEW 190-9716	

## SMT Rework Tip Cartridges

Slot, Tunnel, Quad

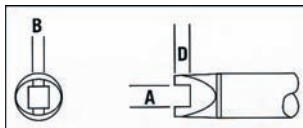


General illustration of all types - Quad, Tunnel, Slot

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.

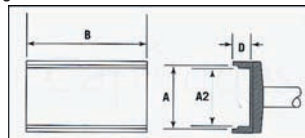
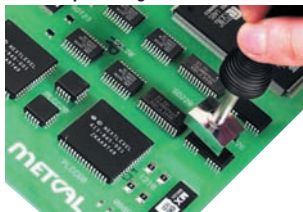
### Slot Tip Cartridges



- 600°F (330°C)

SMT Type	Dimensions (mm)			Mftrs. 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)

339322

SMT Type	Dimensions (mm)				Mftrs. 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	

## 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)

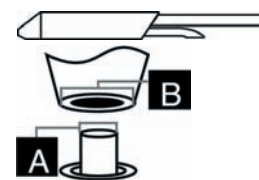
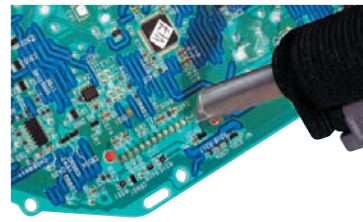
TIP IMAGE	SIZE (WxL) mm	DESC.	TIP SERIES/ORDER CODE	
			600°F (357°C)	700°F (412°C)
	3.3x17.78	Multi Lead Hoof	495-0938	495-0896
	1.52x16.51	Mini-Hoof	495-0940	495-0902
	(2.03mm x 4.83mm) x16.51	Multi Lead Knife		495-0926
	15.75mm x39.37mm	Blade		495-0914

339311

Description	Temp.	Mftrs. 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

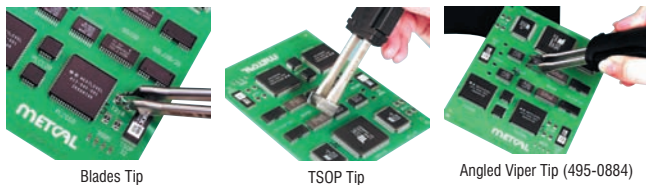
339292

Description	Order Code	Price Each
Desoldering Tip Cartridges	All Order Codes	

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## TATC Talon® Tip Cartridges



Designed for the removal of all discrete and SO symmetrical components. Due to the shape and design, by simply rotating the Talon® handpiece, a single TATC cartridge can remove a 28 pin SOIC, a tantalum or an 0603 chip capacitor without changing tips. All 600°F (330°C)

Description	Tip Size	Mfrs. List No.	Order Code	Price Each
Fine Point Tip	5.08mm	TATC-601.	495-0823	
Blades Tip	6.35mm	TATC-602	495-0835	
Blades Tip	15.75mm	TATC-603	495-0847	
Blades Tip	20.57mm	TATC-604	495-0859	
TSOP 32 Tip	10.2mm	TATC-605	495-0860	
Blades Tip	27.94mm	TATC-606	495-0872	
Angled Viper Tip	1.27mm	TATC-608	495-0884	

## HCT-900 Nozzles

Lead Free



A range of nozzles for the HCT-900 Hand held convection tool.

- Available individually or in kits
- All nozzles are lead free

### NZKT-1

Nozzle kit for chip resistors, SOIC & TSOP packages, includes one each of H-D25, H-SL16, H-SL28, H-SOJ40 and H-TS48

### NZKT-2

Nozzle kit for PLCC, QFP & BQFP packages, includes one each of H-P20, H-P44, H-P84, H-Q1420 and H-Q2626

TIP IMAGE	MFRS. LIST NO.	CHIP PACKAGE	ORDER CODE	DIMENSIONS (MM)	
				A	B
General Purpose Nozzles					
	H-D25		101-5507	2.5	-
Nozzles for SO & TSOP Packages (Dual)					
	H-SL16	SOL 14, 16	101-5508	10.6	10.8
	H-SL28	SOL 28	101-5509	10.6	18.4
	H-SOJ40	SOJ 40	101-5510	13.5	25.4
	H-TS48	48 PIN TSOP	101-5511	21.0	13.3
Nozzles for PLCC, BQFP, QFP (Quad)					
	H-P20	PLCC-20	101-5512	11.9	11.9
	H-P44	PLCC-44	101-5513	19.5	19.5
	H-Q1420	QFP-64, 80, 100	101-5516	23.4	18.1

Description	Mfrs. List No.	Order Code	Price Each
NZKT-1 Nozzle Kit	NZKT-1	101-5505	
NZKT-2 Nozzle Kit	NZKT-2	101-5506	
General Purpose & Dual		All Order Codes	
Quad Types		All Order Codes	

## HCT-1000 Accessories

Size	Mfrs. List No.	Order Code	Price Each
<b>Nozzle</b>			
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	
32 x 32mm	HN-B3232	177-3278	
40 x 40mm	HN-B4040	177-3279	
∅5mm	HN-J0005	177-3280	
<b>Vacuum Cup</b>			<b>Price Per Pack</b>
<b>5 Per Pack</b>			1+
∅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

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## 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
			1+

## 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 PS-90 Handpiece	8007-0533	126-7505	1+

## ST 65 Soldering System



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	1+
ST 65 Power Unit	8007-0517	177-5253	1+

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## 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	1+

## ST 100 Intelliheat™ Soldering System



The ST 100 Intelliheat™ Soldering System is a fully programmable soldering and rework station featuring two individually controlled Intelliheat™ compatible handpiece channels. The System allows for 2 soldering irons, 2 mini tweezers or one of each to co-exist on a workbench - Ideal for transitioning from Leaded to Lead-free solders where you need more than one iron to avoid cross contamination.

Note: Supplied with 2 x (TD-100) handpieces

- Intelliheat™ thermal control system
- 2 Individually controlled, Intelliheat™ compatible handpiece channels
- Password protect facility to prevent unauthorised changes
- Definable process windows for each channel
- Backlit digital LCD display
- Setback and Auto-off features to maximise tip life
- Tips not included

Power requirements 230VAC, 50HZ, 150W  
 Dimensions 135 x 165 x 260mm  
 Weight 5.0Kg  
 Temp. stability ±1.1°C (±2°F) @ Idle tip temp  
 Temp. range 37°C - 482°C (400°F - 900°F)

447323.467144

Description	Mfrs. List No.	Order Code	Price Each
ST 100 with 2 x TD-100 Handpieces	8007-0527	127-1276	1+

## Power Modules



For use with the Pace ST 70 soldering system. The heat level you need is pre-determined by the colour-coded Power Module, which installs right into the Power Port on the front of the station.

- Lets you easily select, and visually monitor heat levels
- Removes the need for dials, read outs, calibration tools and certificates
- Change heat levels in seconds without changing tips
- If the Power Module is removed, the system immediately powers off preventing any non compliant soldering

447785

Mfrs. List No.	Colour	Heat Level	Temp °C	Temp °F	Order Code	Price Each
1207-0446-01-P1	Green	5	260	500	127-9376	1+ 5+ 10+
1207-0446-04-P1	Gold	6.5	343	650	127-9379	1+ 5+ 10+
1207-0446-05-P1	Red	7	371	700	127-9380	1+ 5+ 10+
1207-0446-06-P1	Violet	7.5	399	750	127-9381	1+ 5+ 10+
1207-0446-07-P1	Black	8	427	800	127-9382	1+ 5+ 10+
1207-0446-08-P1	Silver	8.5	454	850	127-9383	1+ 5+ 10+

# Pace Soldering/De-Soldering Stations - continued

## 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, 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	Mfrs. List No.	Order Code	1+
ST 75 with SX-90 Handpiece	8007-0520	127-9329	
ST 75 Power Unit	8007-0521	127-9375	

## ST75-SX90

## 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	197-253VACac, 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	Mfrs. List No.	Order Code	1+
ST 115 with SX-90 Soldering Iron	8007-0522	127-9330	
ST 115 Power Unit	8007-0523	NEW 177-5254	

## WJS 100 Soldering, Desoldering & Rework Station



The WJS 100 features all the advanced process control technology you have grown to expect from PACE but now with nearly twice the maximum power output to make easy work of your most challenging, high-thermal-mass or high-volume soldering applications. Integral to the WJS 100 solution is a special range of gold-end tip-heater cartridges\* uniquely engineered to deliver maximum heat

**NEW**

through-put to the work and increase productivity while allowing you to solder at safer, lower temperatures-even with lead-free solder. The WJS 100 is fully programmable, loaded with features, and incorporates PACE's exclusive IntelliHeat™ Control Technology. The WJS 100 comes standard with a special anniversary edition TD-100 Thermo-Drive® Handpiece.

- IntelliHeat™ Control Technology
- Fully programmable, digital processor, LED display and keypad
- Password lockout guarantees your process integrity
- Temp Setback and Auto-Off helps to maximize tip life and saves on power costs

- Definable Operating Temperature Range via "Hi" and "Lo" Setting
- ISB (Instant Set Back) Cubby version places the iron into setback after 30 seconds of no-use. This significantly extends tip life, especially when working with lead-free solder.
- Tips not included

Power requirements	197-253 VAC, 50/60Hz, 120 Watts Max	Weight	2.3Kg
Dimensions	104 x 130 x 152mm	Temp. stability	1.1°C (±2°F)@ Idle tip temp
		Temp. range	205°C - 454°C (400°F - 850°F)

\*The WJS 100 can only be used with 1128 series tips and the TD-100 Soldering Handpiece.

621828

### Price Each

Description	Mfrs. List No.	Order Code	1+
WJS 100 with TD-100 Handpiece	8007-0559	186-5635	
WJS 100 with TD-100 Handpiece (ISB)	8007-0561	186-5636	

## 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 Sensa-Temp 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

### Price Each

Description	Mfrs. List No.	Order Code	1+
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 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 Q201'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

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

447728

### Price Each

Description	Mfrs. List No.	Order Code	1+
MBT 301 with TD-100 & SX-80 Handpieces	8007-0479	127-9346	
MBT 301 with PS-90 & SX-90 Handpieces	8007-0550	177-5257	
MBT 301 Power Unit	8007-0481	177-5258	

## TROUBLESHOOTING TIPS

Chat online to one of our technical engineers at [farnell.com](http://farnell.com)

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

447727

Description	Mfrs. List No.	Order Code	Price Each
MBT 350 with TD-100, MT-100 & SX-90 Handpieces	8007-0455	127-9345	1+
MBT 350 with PS-90, MT-100 & SX-90 Handpieces	8007-0552	177-5259	
MBT 350 with 2 x PS-90 & SX-90 Handpieces	8007-0557	177-5260	
MBT 350 Power Unit	8007-0453	177-5262	

## PRC 2000 Soldering, Desoldering & Rework System



- 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

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.

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 Universal 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	1+

## IR 1000 SMT Rework Station



The IR 1000 is capable of installing and removing passives, QFPs, SOICs, PLCCs, MLFs, TSOPs, and coarse pitched BGAs. The IR 1000 incorporates a 500 W top heater and a 400 W pre-heater. The system allows for simple one zone profiles up to more complicated multi zone profiles. It features the "Learn Mode" that assists the user with developing profiles. The system features a spring loaded, adjustable vacuum pik, a cooling fan, and a built-in, spring loaded, board-holder. The distance between the top heater and PCB can be adjusted and its vertical position is saved in the profile to ensure repeatability.

Power requirements	197-253 VAC, 50/60Hz, 120 Watts Max
Dimensions	508 x 483 x 457mm
Weight	19.2kgs
Pre-Heater	400 watts, 65°C to 176°C ( 150°F to 350°F)
Vacuum	5.9 inHg
Max. PCB Size	305 x 305mm

621838

Description	Mfrs. List No.	Order Code	Price Each
IR 1000 Rework Station	8007-0537	186-5649	1+

## 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	197-253VAC, 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	127-9332		
Accessories				
Box Nozzles		Mfrs.		
Component Type	Nozzle Size	List No.	Order Code	Price Each
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	
Vacuum Wand Accessories				
Vacuum Cup Kit, Pk3	6993-0153-P1	127-9367		

## 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 temperature 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	1+

## 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	197-253VAC, 50Hz	Temp. Range	37°C to 205°C
425 Watts max. at	230Vac, 50Hz	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 ac-

# Pace Soldering/De-Soldering Stations - continued

## ST 400 Preheater - continued

cepts 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	1+
<b>Accessories</b>			
Z-Axis Platform	6993-0258-P1	177-5265	
PCB Holder	6993-0253-P1	177-5266	
PCB Holder	6993-0254-P1	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	1+
PS-90 Handpiece (Intelliheat)	6010-0150-P1	177-5281	
PS-90 with Tip & Tool Stand (Sensatemp)	6993-0199-P1	392-4830	
PS-90 Handpiece (Sensatemp)	6010-0131-P1	177-5282	

<b>Accessories</b>			
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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Description	Mfrs. List No.	Order Code	Price Each
TD-100 with Tip & Tool Stand (Intelliheat)	6993-0263-P1	127-1277	1+
TD-100 Handpiece (Intelliheat)	6010-0147-P1	177-5286	

<b>Accessories</b>			
TD-100 Tip & Tool Stand	6019-0079-P1	166-0853	
Replacement Brass Wool	1129-0018-P1	166-0854	
Replacement Sponge (Pk3)	4021-0013-P3	166-0855	

### IMPROVED BACK ORDER DELIVERY

Receive email updates with the exact status, due date and despatch information of all your back order items [farnell.com](http://farnell.com)

## 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

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	177-5283	
SX-90 with Tip & Tool Stand (Sensatemp)	6993-0213-P1	351-9685	
SX-90 Handpiece (Sensatemp)	6010-0106-P1	177-5284	

<b>Accessories</b>			
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	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	177-5279	
"Z" Baffle for Glass Flux/Sodr Trap (Pk2)	4010-0115-P2	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	177-5278	
SX-90/80 Plunger Lock	1500-0063-P1	171-6922	
SX-90/80 Front Seal	1213-0087-P1	171-4798	
Set Screws for all Heaters (Pk10)	1348-0547-P10	171-6923	

### MT-100 MiniTweez™ Intelliheat Handpiece



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

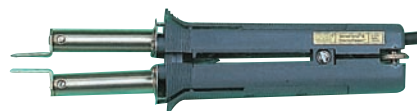
- Intelliheat™ thermal control system
- Soft comfort grip and ergonomic design mimics the motion of the human hand thus reducing operator fatigue
- Remove a wide variety of SMD's quickly and easily
- Wide range of component removal tips available
- Quick release tips
- Tips not included

447280

Description	Mfrs. List No.	Order Code	Price Each
MT-100 with Tip & Tool Stand (Intelliheat)	6993-0264-P1	127-1278	1+
MT-100 Handpiece (Intelliheat)	6010-0148-P1	177-5287	

<b>Accessories</b>			
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

472269/447772

Description	Mfrs. List No.	Order Code	Price Each
TT-65 with Tip & Tool Stand (Intelliheat)	6993-0268-P1	127-9370	1+
TT-65 Handpiece (Intelliheat)	6010-0151-P1	177-5291	
TT-65 with Tip & Tool Stand (Sensatemp)	6993-0207-P1	177-5269	
TT-65 Handpiece (Sensatemp)	7025-0001-P1	177-5290	

<b>Accessories</b>			
TT-65 Tip & Tool Stand	6019-0083-P1	177-5272	
TT-65 Heater (with sensor)	6010-0082-P1	177-5274	
TT-65 Heater (without sensor)	6010-0083-P1	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	Mftrs. List No.	Order Code	1+
TJ-70 with Tip & Tool Stand (Intelliheat)	6993-0292-P1	177-5268	
TJ-70 Handpiece (Intelliheat)	7023-0003-P1	177-5292	
TJ-70 with Tip & Tool Stand (Sensatemp)	6993-0206-P1	177-5271	
TJ-70 Handpiece (Sensatemp)	7023-0002-P1	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	

## 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	1+
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	1+
TP-65 with Tip & Tool Stand (Sensatemp)	6993-0205-P1	177-5270	
TP-65 Handpiece (Sensatemp)	7024-0001-P1	177-5289	

### Accessories

SX-90 Tip and Tool Stand	6019-0082-P1	166-0851	
TP-65 Heater Assembly	6010-0081-P1	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	1+
TP-100 with Pedal, Tip & Tool Stand (Intelliheat)	6993-0280-P1	127-9372	
TP-100 Handpiece (Intelliheat)	6010-0158-P1	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 	0.13" Chisel	312-0806
1121-0564-P5 	0.07" Mini Wave Fine Patch	312-0740
1121-0490-P5 	0.13" 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	
	APPLICATION SOIC			312-0818

621916

Pack Quantity = 5

Price Per Pack

Order Code	1+	5+	10+
312-0752			
312-0764			
312-0776			
312-0788			
312-0790			
312-0806			
312-0740			
312-0727			

Pack Quantity = 1 Price Each

312-0818	
312-0855	

# Pace Tips & Accessories - continued

## 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



428250

Tip Size	Description	Mftrs. List No.	Order Code	Price Per Pack		
				1+	5+	10+
<b>Chisel Tip</b>						
0.8mm	Chisel Bent	1121-0361-P5	110-4943			
1.5mm	Chisel	1121-0563-P5	110-4948			
1.6mm	Chisel	1121-0414-P5	110-4936			
1.6mm	Chisel	1121-0510-P5	110-4942			
1.6mm	Chisel Extended	1121-0533-P5	110-4940			
2.4mm	Chisel Extended	1121-0529-P5	110-4945			
3.2mm	Chisel	1121-0337-P5	110-4939			
3.2mm	Chisel	1121-0518-P5	110-4944			
<b>Conical Tip</b>						
0.4mm	Conical Bent	1121-0830-P5	110-4938			
0.4mm	Conical Extended	1121-0528-P5	110-4946			
0.8mm	Conical Extended	1121-0527-P5	110-4941			
<b>Other</b>						
2.4mm	Mini Wave Angled	1121-0610-P5	110-4947			

## 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 Extended	13.4mm	0.80mm	1124-0001-P1
	1/64" 30° Conical Bent	7.8mm	0.40mm	1124-0003
	1/64" Conical 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" 30° Conical Bent	15.1mm	0.40mm	1124-0015-P1
	30° Chisel	9.9mm	1.60mm	1124-0019-P1
	Conical	15.2mm	0.58mm	1124-0027-P1
	Angled Mini-Wave	-	3.05mm	1124-0033-P1
	Chisel	-	3.05mm	1124-0034-P1
	Angled Mini-Wave	-	2.11mm	1124-0035-P1
	Conical	-	0.20mm	1124-0036-P1

513021

Mftrs. List No.	Order Code	Price Each		
		1+	5+	10+
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.
<b>Recommended for Thru-Hole Desoldering</b>			
	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
<b>Recommended for Thru-Hole Desoldering in Tight Areas</b>			
	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
<b>Recommended for Surface Mount Land and Via Desoldering</b>			
	Flo-D-Sodr	0.060" (1.52mm) I.D. x 0.188" (4.78mm) O.D.	1121-0631-P5

212626

Mftrs. List No.	Order Code	Price Per Pack		
		1+	5+	10+
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			

## 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.
<b>Recommended for Thru-Hole Desoldering</b>			
	Thermo-Drive	0.030" (0.76mm) I.D. x 0.080" (2.03mm) O.D.	1121-0930-P5
	Thermo-Drive	0.040" (1.02mm) I.D. x 0.090" (2.29mm) 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
<b>Recommended for Thru-Hole Desoldering in Tight Areas</b>			
	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
<b>Recommended for Surface Mount Land and Via Desoldering</b>			
	Flo-D-Sodr	0.060" (1.52mm) I.D. x 0.188" (4.78mm) O.D.	1121-0945-P5

512447

Mftrs. List No.	Order Code	Price Per Pack		
		1+	5+	10+
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			



Mftrs. List No.	Order Code	1+	5+	10+
1121-0944-P5	161-1062			
1121-0945-P5	161-1063			
1121-0939-P5	177-5299			
1121-0940-P5	177-5300			
<b>Desoldering Kit</b>				
6993-0288	177-5298			



### TP-65 ThermoPik Handpiece Tips

TIPS	DESCRIPTION	TIP SIZE A x B	Mftrs. List No.	Order Code
<p>Application</p> <p>FlatPack</p> <p>NOTE: The ThermoPik will also remove "bumpier peak" components</p>	FlatPack Tip	0.66 x 0.9" (16.8mm x 22.9mm)	1121-0322-002-P1	177-5304
	PQFP-100 Tip	0.82 x 0.82" (20.8mm x 20.8mm)	1121-0325-P1	177-5301
	PQFP-144	1.15 x 1.15" (29.2mm x 29.2mm)	1121-0456-P1	177-5302
	PQFP-208 Tip	1.18 x 1.18" (30mm x 30mm)	1121-0544-P1	312-0612
	PQFP-160 Tip	1.22 x 1.22" (31mm x 31mm)	1121-0351-P1	

Note: The TP-65 ThermoPik requires the use of an SX Tip and Tool Stand (312-0363) which must be ordered separately

621912

Order Code	1+	5+	10+
<b>NEW 177-5304</b>			
312-0612			
312-0582			
<b>NEW 177-5301</b>			
<b>NEW 177-5302</b>			

### TT-65 Surface Mount Removal Tips



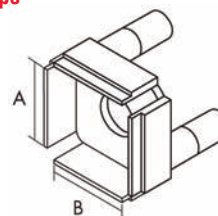
SURFACE MOUNT CHIP COMPONENT REMOVAL TIPS	TIP DESCRIPTION	TIP SIZE	MFRS. LIST NO.	ORDER CODE
<p>Vertical Angled</p> <p>Standard Walk Thickness = 0.050" (1.3mm)</p> <p>Application Chip Component</p>	Chip Component (Vertical)	A = 0.08" (A = 2mm)	1121-0313-P1	312-0510
		A = 0.16" (A = 4.1mm)	1121-0399-P1	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	MFRS. LIST NO.	ORDER CODE
<p>Standard Walk Thickness = 0.050" (1.3mm)</p> <p>Application PLCC</p> <p>The ThermoPik can also remove leadless components (LDCs) 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

Order Code	1+	5+	10+
312-0510			
177-5306			
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
LQFP/TQFP 80 Tip Removal	12mm	12mm	1.4mm	2.0mm	1124-2001-P1	132-2585
TQFP 64/80/100/120/128 Tip Removal	14mm	14mm	1.4mm	2.0mm	1124-2002-P1	132-2586
TQFP 128/144/160/176 Tip Removal	20mm	20mm	1.4mm	2.0mm	1124-2003-P1	132-2587
TQFP 208/256 Tip Removal	28mm	28mm	1.4mm	2.0mm	1124-2005-P1	132-2591
QFP 64/80/100/128 Tip Removal	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	

**FREE GLOBAL LEGISLATION SUPPORT**

RoHS, REACH, WEEE, ErP, Batteries Directive - latest updates, free white papers and live online Q&A at [element14.com/legislation](http://element14.com/legislation)

**TJ-70 ThermoJet Handpiece Tips**



TIPS	DESCRIPTION	TIP SIZE	ORDER CODE
	Small, Straight, Single Jet Tip	-----	312-0636
	Small, Curved, Single Jet Tip	-----	312-0648
	SOICL Tip (dual jet)	A = 0.37* (9.40mm)	
	Flat End Tip	A = 0.24* (6.10mm) B = 0.074* (1.88mm)	312-0661

**NOTE:** The TJ-70 requires an SX Tip and Tool Stand (312-0363) which must be ordered separately

212618

Pack Quantity=1	Price Each		
Order Code	1+	5+	10+
312-0636			
312-0648			
312-0661			

**WJS Tips for use with WJS 100**



WJS tips are a special range of gold-end tip-heater cartridges uniquely engineered to deliver maximum heat through the put to the work and increase productivity while allowing you to solder at safer, lower temperatures-even with lead-free solder.

**NEW**

Tip	Description	Size	Mfrs. List No.
	Conical Sharp Extended	0.813 x 12.75 mm	1128-0001-P1
	Conical Sharp	0.407 x 9.144 mm	1128-0002-P1
	Conical Sharp Bent 30°	0.407 x 9.144 mm	1128-0003-P1
	30° Chisel	1.194 x 9.906 mm	1128-0008-P1
	Extra Large Chisel	5.156 x 7.62 mm	1128-0010-P1
	30° Chisel	0.813 x 9.017 mm	1128-0012-P1
	30° Chisel	2.388 x 9.017 mm	1128-0013-P1
	30° Chisel	1.575 x 9.017 mm	1128-0019-P1
	MiniWave®	2.794 x 8.255 mm	1128-0032-P1
	Knife Blade	6.35 x 12.446 mm	1128-0037-P1

621829

Mfrs. List No.	Order Code	Price Each		
		1+	5+	10+
1128-0001-P1	186-5637			
1128-0002-P1	186-5639			
1128-0003-P1	186-5641			
1128-0008-P1	186-5642			
1128-0010-P1	186-5643			
1128-0012-P1	186-5644			
1128-0013-P1	186-5645			
1128-0019-P1	186-5646			
1128-0032-P1	186-5647			
1128-0037-P1	186-5648			



**TROUBLESHOOTING TIPS**

Chat online to one of our technical engineers at [farnell.com](http://farnell.com)

**MT-100 Tip Cartridges**



● 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	469-9361	1124-1003-P1
		0.7 x 2.0mm	469-9373	1124-1004-P1
	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	469-9403	1124-1007-P1

621988

Order Code	Price Each		
	1+	5+	10+
All Order Codes			

**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

Order Code	Price Each		
	1+	5+	10+
Chisel Kit	370-1578		

**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

Order Code	Price Each		
	1+	5+	10+
Endura Kit	370-1580		

**Tip Redi-Rak**



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

212605

Order Code	Price Each		
	1+	5+	10+
312-0430			

**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.

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

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

447777

Description	Order Code	Price Each
Tip Temperature Monitor	127-9374 ●	1+
<b>Accessories</b>		
Replacement Sensor	127-9344 ●	

## Weller Soldering Stations

### WHS 40 D Temperature Controlled Soldering Station

For hobbyist and semi-professional users

Weller



- 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

Mfrs. List No.	Order Code	Price Each
WHS 40D UK	148-9551 ●	1+ 5+
WHS 40D EU	152-3763 ●	
<b>Replacement Soldering Iron</b>		
WH 40	NEW 205-7032 ●	

### WHS Soldering Station

Weller



#### WHS M:

- Easy to use
- Integrated micro soldering iron WMRP 40W
- Built in Stop+Go function for energy efficient switch off
- Touch sense technology
- Highly efficient RT 3 micro soldering tip and integrated heating element
- Safety rest with cleaning sponge

#### WHS MC:

Like WHS M, plus rechargeable battery for mobile, cordless service. The perfect alternative to gas powered irons.

- Latest LiFePo4-rechargeable technology
- Up to one hour soldering capacity
- Recharged in 20 minutes

Ideal for all soldering applications that do not need a professional high-end station. Designed for use in repair, service and hobby environments, especially for RC models.

Temperature range	+100°C to +400°C	Power	40W / 12V
Heat up time	15 sec.	Switching power supply	100 - 230V

538666

Mfrs. List No.	Order Code	Price Each
WHS M (UK + EU)	172-9967 ●	1+
WHS MC (UK + EU)	172-9968 ●	

### WSM Soldering Station

Weller



#### WSM 1:

- ESD safe, for industrial applications
- Built in Stop+Go function for energy efficient switch off
- Touch sense technology
- Temperature-locking function
- 2 adjustable temperatures
- Integrated micro soldering iron WMRP 40 W in chrome design
- Changeable, highly efficient RT 3 Micro solder-

ing tip and integrated heating element

- Safety rest with WDC dry cleaner

#### WSM 1C:

Like WSM 1, plus rechargeable battery for mobile, cordless service. The perfect alternative to gas powered irons.

- Latest LiFePo4-rechargeable technology
- Up to one hour soldering capacity
- Recharged in 20 minutes

Ideal for all soldering applications that need a professional but handy and uncomplicated station. ESD safe and designed for use in laboratories, repair, service and industrial engineering.

Temperature range	+100°C to +400°C	Power	40W / 12V
Heat up time	4 sec.	Switching power supply	100 - 230V

538650

Mfrs. List No.	Order Code	Price Each
WSM 1 (UK + EU)	172-9965 ●	1+
WSM 1C (UK + EU)	172-9966 ●	

### Magnastat Controlled, 50 Watts, 24V ac

UK Version for use with PS2/PS3 Power Supplies

Weller



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

222115

Mfrs. Ref.	Mfrs. List No.	Order Code	Price Each
TCP UK	0151004199	171-2857	1+ 5+ 10+
TCP UK (3M)	0151004299	171-2862	
<b>Tip Extraction Unit</b>			
FE 50M UK	0053215599	171-2861	

### Magnastat Controlled, 35 Watts, 12V dc

For use with Car Battery or 12V Power Supply

Weller



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

- Operates on 12V dc
- Can be powered from a car battery
- Incorporates all features of standard TCP iron
- LT DD tip included
- Fitted with 2 core, 1.3m silicone lead
- Supplied without a plug

Note: This item is not to be used with Weller 24V power supplies

222222

Mfrs. List No.	Order Code	Price Each
TCP 12V	171-2865	1+ 5+ 10+

### Magnastat Soldering Station WTCP51

Weller



- Controlled through ferro-magnetic sensing
- Soldering temperature set by changing tip
- Station supplied with Pencil, LT M Tip and
- 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.

621924

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

### WS 81 Analogue Soldering Station

Weller



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. Now includes KH 18 safety rest.

- Temperature set by rotary potentiometer
- LED temperature condition indicator
- ESD safe
- Lead free manufacture compatible
- Can drive all Weller electronically controlled tools up-to 80W rating compatible with the station
- Uses LT series tips

Contents of WS 81: PU 81 power unit, WSP 80 soldering iron, KH 18 safety rest.

## WS 81 Analogue Soldering Station - continued

Input Voltage	230V / 50/60Hz	Input Voltage	230V / 50/60Hz
Power Input	80W	Temperature Accuracy	± 2°C (± 4°F)
Protection Class	I	Dimensions (LxWxH)	166 x 115 x 101mm
Temperature Range	+50°C to +450°C (300°F-850°F)		

626493

Description	Mfrs. List No.	Order Code	Price Each
WS 81 (UK)	WS 81 UK	187-7453	1+
WS 81 (EU)	WS 81 EU	187-7454	

### Individual Items

PU 81 Power Unit (UK)	PU 81 UK	970-992	
PU 81 Power Unit (EU)	PU 81 EU	380-4343	
WSP 80 Soldering Iron	WSP80	125-6930	

## 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

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 unauthorized changes to settings and ensures a controlled work process.

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

523988

Mfrs. List No.	Order Code	Price Each
WS 81T EU	177-7569	1+
WS 81T UK	177-7570	

## WSD 81 Digital 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. Now includes KH 18 safety rest.

- Temperature set by up-down push buttons
- Digital temperature display shows set, read and actual temperatures
- 3-position digital display
- Calibration box WCB 2 may be connected for CALIBRATION, LOCK OUT or OFF-SET function
- 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

Contents of WSD 81: PU 81 power unit, WSP 80 soldering iron, KH 18 safety rest.

Input Voltage	230V / 50/60Hz	Input Voltage	230V / 50/60Hz
Power Input	80W	Temperature Accuracy	± 2°C (± 4°F)
Protection Class	I	Dimensions (LxWxH)	166 x 115 x 101mm
Temperature Range	+50°C to +450°C (300°F-850°F)		

626503

Description	Mfrs. List No.	Order Code	Price Each
WSD 81 (UK)	WSD 81 UK	187-7455	1+
WSD 81 (EU)	WSD 81 EU	187-7456	

### Individual Items

WSP 80 Soldering Iron	WSP80	125-6930	
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## WSD 81SE Soldering Station



**NEW**



- Digital soldering station
- Energy efficient: save up to 20% energy
- Ultra-fast WP 65 soldering iron: 30% faster heat-up time
- LED display
- ESD safe
- Delivered with UK and Euro plug

Input Voltage	230V	Input Voltage	230V
Power Consumption	80W	Temperature Accuracy	± 9°C
Protection Class	1	Dimensions (LxWxH)	166 x 101 x 101mm
Temperature Range	+50°C to +450°C		

Contents: PUD 81 Soldering station, WP 65 Soldering Iron and WDH 10 Safety rest.

659639

Mfrs. List No.

Order Code

1+

WSD 81SE

211-5961

## 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	1+	5+	10+
WSD151 Soldering Station (UK)	005 32 763 99	101-8756			
WSD151 Soldering Station (Euro Plug)	005 32 766 99	380-4380			

### Individual Items

PUD151 Control Unit (Euro Plug)	005 32 786 99	380-4367			
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 controllability 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

Technical Data	
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	Mftrs. List No.	Order Code	Price Each		
			1+	5+	10+
WD1000 Station (UK)	005 34 023 99	<b>101-8750</b>			
WD1000 Station (Euro)	005 34 026 99	<b>999-3991</b>			
<b>Individual Items</b>					
WD1 Control Unit (UK)	005 34 003 99	<b>125-6917</b>			
WD1 Control Unit (Euro)	005 34 006 99	<b>125-6931</b>			
WP80 Soldering Iron	005 29 178 99	<b>128-2089</b>			
WDH 10 Soldering Iron Stand	WDH 10	<b>999-4068</b>			

## 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

Mftrs. List No.	Order Code	Price Each	
		1+	
WD 1000T (UK)	<b>144-7699</b>		
WD 1000T (EU)	<b>144-7700</b>		

## WX 1 Soldering Station



The next generation high power 'intelligent' soldering unit with additional work bench control capability. This allows for the selection and direct control of additional work bench tools such as WFE fume extraction systems and WHP heating plates resulting in a simpler and more efficient work area. The unit has one independent channel capable of driving one WX soldering tool of up to 200 W.

- An independent tool channel with automatic recognition of all WX tools
- Multilingual menu and display information - 7 languages (D, GB, F, I, ES, P, CN)
- Antistatic glass touch sensitive panel
- LC graphic display with blue back lighting
- Menu selection via 'Turn & Click' control with acoustic confirmation
- Interface for use with robotic soldering machines
- Unique soldering iron calibration function

- Front USB socket for firmware updates, parameter setting and monitoring via USB stick
- Digital data transfer system for ultra precise adjustment
- Control and monitoring of other connected Weller units - WFE fume extraction systems and heating plates
- ESD safe
- Temperature range 50 - 500°C (tool dependent)

Contents of WX 1010: WX 1 Control unit, WXP 120 soldering iron and WDH 10 safety rest.

Contents of WX 1011: WX 1 Control unit, WXMP soldering iron and WDH 50 safety rest.

Contents of WX 1012: WX 1 Control unit, WXP 65 soldering iron and WDH 10 safety rest.

Input Voltage	230V / 50Hz	Temperature Control	+50°C to +550°C (150°F-999°F)
Power Input	200W	Temperature Accuracy	± 9°C (±17°F)
Protection Class	I	Temperature Stability	± 2°C (±9°F)
Dimensions (LxWxH)	170 x 151 x 130mm		

634381

Description	Order Code	Price Each	
		1+	
WX 1 Control Unit	<b>189-9050</b>		
WX 1010 Soldering Station	<b>189-9047</b>		
WX 1011 Soldering Station	<b>189-9048</b>		
WX 1012 Soldering Station	<b>189-9049</b>		
<b>Individual Items</b>			
WXP 65 Soldering Iron	<b>189-9051</b>		
WXP 65 Soldering Iron with Safety Rest	<b>189-9052</b>		
WXP 120 Soldering Iron	<b>185-1612</b>		
WXP 120 Soldering Iron with Safety Rest	<b>185-1613</b>		
WXMP Micro Soldering Iron	<b>185-1614</b>		
WXMP Micro Soldering Iron with Safety Rest	<b>185-1616</b>		
WX Connecting Cable	<b>NEW 196-1326</b>		
WX Adapter for PC	<b>NEW 196-1327</b>		
WX Adapter for WFE/WHP	<b>NEW 196-1328</b>		

## WX 2 Soldering Station



The next generation high power 'intelligent' soldering unit with additional work bench control capability.

**NEW**

This allows for the selection and direct control of additional work bench tools such as WFE fume extraction systems and WHP heating plates resulting in a simpler and more efficient work area. The unit has 2 independent channels capable of driving 2 WX soldering tools of up to 120 W simultaneously or 1 200 W tool.

- 2 independent tool channels with automatic recognition of all WX tools
- Multilingual menu and display information - 7 languages (D, GB, F, I, ES, P, CN)
- Antistatic glass touch sensitive panel
- LC graphic display with blue back lighting
- Menu selection via 'Turn & Click' control with acoustic confirmation
- Interface for use with robotic soldering machines
- Unique soldering iron calibration function
- Front USB socket for firmware updates, parameter setting and monitoring via USB stick
- Digital data transfer system for ultra precise adjustment
- Control and monitoring of other connected Weller units - WFE fume extraction systems and heating plates
- ESD safe
- Temperature range 50 - 500°C (tool dependent)

Contents of WX2020: WX 2 Control unit, 2 x WXP 120 Soldering irons and 2 x WDH 10 Safety rest.

Contents of WX2021: WX 2 Control unit, WXMP Micro soldering iron, WXMT Micro tweezer, WDH 50 Safety rest and WDH 60 Safety rest.

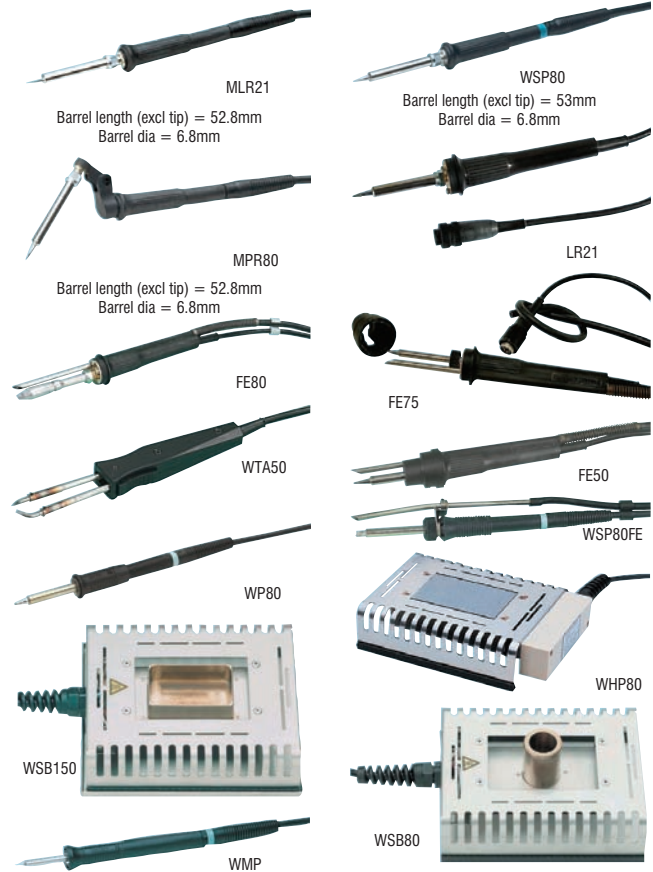
Input Voltage	230V / 50Hz	Temperature Control	+50°C to +550°C (150°F-999°F)
Power Input	200W	Temperature Accuracy	± 9°C (±17°F)
Protection Class	I	Temperature Stability	± 2°C (±9°F)
Dimensions (LxWxH)	170 x 151 x 130mm		

618265

Description	Order Code	Price Each	
		1+	
WX 2 Control Unit	<b>185-1606</b>		
WX 2020 Soldering Station	<b>185-1607</b>		
WX 2021 Soldering Station	<b>185-1608</b>		
<b>Individual Items</b>			
WXMT Micro Tweezer	<b>185-1609</b>		
WXMT Micro Tweezer with Safety Rest	<b>185-1610</b>		
WDH 60 Safety Rest	<b>185-1611</b>		
WXP 120 Soldering Iron	<b>185-1612</b>		
WXP 120 Soldering Iron with Safety Rest	<b>185-1613</b>		
WXMP Micro Soldering Iron	<b>185-1614</b>		
WXMP Micro Soldering Iron with Safety Rest	<b>185-1616</b>		
WXP 200 Soldering Iron	<b>185-1617</b>		
WXP 200 Soldering Iron with Safety Rest	<b>185-1618</b>		
WDH 31 Safety Rest	<b>189-9054</b>		
WX Connecting Cable	<b>NEW 196-1326</b>		
WX Adapter for PC	<b>NEW 196-1327</b>		
WX Adapter for WFE/WHP	<b>NEW 196-1328</b>		
Tip Retaining Barrel	<b>NEW 196-1423</b>		

# Weller Soldering Stations - continued

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	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, SOT192, SO4-SO8
WT-3	6,0	11	SO14, SO16, SOJ14, SOJ16
WT-4	12,5	10	SO14, SO16, SOJ14, SOJ16
WT-5	18,5	12	SO20, SO20L, SOJ20

621942

Irons	Mfrs.	Order Code	Price Each		
			1+	5+	10+
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			
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 WP80	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	

## Fume Extraction Irons



- A range of fume extraction irons

### FE75

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

### FE80

- Soldering iron 24V/80W
- Uses HT series tips

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

Consists of: Iron, Funnel, HT-2 Tip, Cylinder Brush, Wrench 10/14mm

621919

Mfrs. List No.	Order Code	1+	5+	10+
FE75	125-6924			
FE80	322-5562			

## WP 65 Soldering Iron Set

Weller



- Qualified for fine solder jobs with high heating demands
- Rated at 65W
- Soldering tips: XNT series

NEW

Contents: WP 65 Soldering iron and WDH 10 Safety rest.

655718

Mfrs. List No.	Order Code	1+	3+
WP 65 + WDH 10	209-7818		

## WP 200 Soldering Iron Set

Weller



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.

Output voltage	24V	Power For	200W
Temperature range	+50°C to +450°C		WD 3M, WR 3M
Heat up time	ca. 18 sec. (50°C - 350°C)		

538726

Description	Mfrs. List No.	Order Code	1+
WP 200 Soldering Iron	005 29 199 99	172-9969	
WP 200 Soldering Kit	005 29 200 99	172-9970	

### Accessories

Tip Retaining Barrel	T0058763725	NEW 196-1423	
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## WMP Soldering Iron

Weller



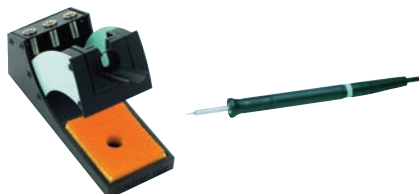
- Short tip to ground distance (2.5cm) ensures precise precision control
- Ergonomic lightweight control
- Rapid heat up, 50°C to 350°C in 7 seconds
- Cool running handle for operator comfort
- Fast thermal recovery
- Hot tip change facility
- Integral element
- Uses NT series tips

241045

	Order Code	1+	5+	10+
WMP	125-6923			

## WMP Soldering Iron Set

Weller



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 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

### Contents:

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

422612/436651

Mfrs. List No.	Order Code	1+	3+	5+
WMP + WDH 20	999-4025			
<b>Individual Items (Available Separately)</b>				
WMP	125-6923			
WDH 20	999-4076			

## WMPR Soldering Set

Weller



- WMPR Temperature controlled soldering pencil
- Uses WDH 50 Bench Support
- Rated at 40W

Contents:  
WMPR Soldering Pencil  
WDH50 Bench Support

491458

Description	Order Code	1+	3+	5+
WMPR Soldering Set	150-6667			

## WMRT Micro Desoldering Tweezers with Safety Rest for use with WMRS, WD 1M, WD 2M

Weller



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	1+	3+
Set: Micro tweezers & safety rest	WMRT+WMRTH	117-4843		
Micro Tweezers	WMRT	112-0564		
Safety Rest	WMRTH	112-0565		
	Dimensions		Price Per Pair	
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

Weller

### WMPR Soldering Pencil & WMRT Desoldering Tweezers



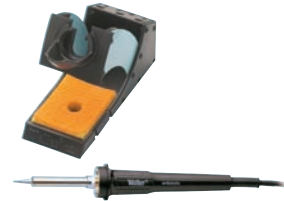
The MIL Spec WMPR micro soldering iron, WMRT micro thermal tweezers and soldering tips have been developed by for special soldering applications where the former MIL standard needs to be met. The MIL soldering tips are manufactured with an additional internal earth which guarantees tip to ground leakage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

## MIL Spec Accessories - continued

### WMPR Soldering Pencil & WMRT Desoldering Tweezers - continued

Description	Mfrs. List No.	Order Code	Price Each	
			1+	3+
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

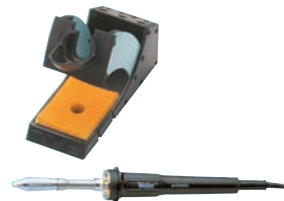


- LR21 Temperature controlled soldering iron
- Uses WDH 30 Bench Support
- Rated at 50W
- Soldering tips: ET series

**Contents:**  
LR21 Soldering Iron  
WDH 30 Bench Support

Description	Mfrs. List No.	Order Code	Price Each
LR21 + WDH 30 Soldering Iron Set	0052918799	150-2814	1+

### LR82 Soldering Iron Set

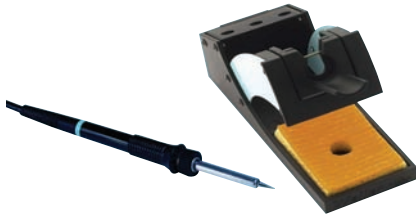


- LR82 Temperature controlled soldering iron
- Uses WDH 30 Bench Support
- Rated at 80W
- Soldering tips: HT series

**Contents:**  
LR82 Soldering Iron  
WDH 30 Bench Support

Description	Mfrs. List No.	Order Code	Price Each
LR82 + WDH 30 Soldering Iron Set	0052918899	150-2816	1+

### 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

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

#### WDH 10 Soldering Iron Stand:

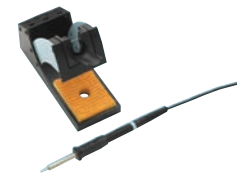
- Designed to complement the design of the WD1 and WD2 power units
- ESD safe
- Funnel insert for the soldering iron can be moved to an ergonomically favourable position without the use of tools
- Tip storage at the rear
- Pedestal plate contains an insert for a sponge (sponge supplied)

Mfrs. List No.	Order Code	Price Each
WSP 80 + WDH 10	999-4033	1+ 3+ 5+
Individual Items (Available Separately)		
WSP80	125-6930	
WDH 10	999-4068	



**TROUBLESHOOTING TIPS**  
Chat online to one of our technical engineers at [farnell.com](http://farnell.com)

### 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

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

### Iron Stands Standard



KH20



KH6

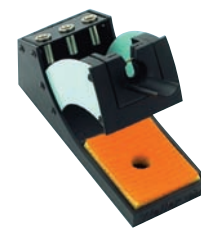
- KH20 for use with LR21, T3000 and TCP
- KH6 for use with W61 and W101
- Reinforced spring safety holder to prevent flex tangling in spring
- Supplied with sponge and cast iron base

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

Mfrs. List No.	Order Code	Price Each
WDH 10	999-4068	1+ 3+ 5+
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

Mfrs. List No.	Order Code	Price Each
WDH 10T	141-6002	1+ 3+ 5+

### Bench Support



#### WPHM

- Replacement bench support for WMP soldering iron

241053



Mfr's List No	Order Code	1+	5+	10+
WPHM	415-4680			

### WDH 10T Safety Rest



Safety rest with Stop + Go function with optical sensor and integrated dry cleaner WDC 2 for soldering irons WP 80, WSP 80, WP 120, WXP 65 and WXP 120.



634430

Description	Order Code	1+
WDH 10T Safety Rest	189-9055	

### Stop + Go Bench Supports



KHE 81

KHP 81

KHE/P

The safety rests with stop + go functions are recommended accessories for use with soldering irons used with the WFE or WFEP bench top fume extraction units. A fibre optic sensor switches the extraction unit on, when the soldering iron is removed from the rest and after a short delay the extraction unit is switched off when the soldering iron is replaced in the rest.

**KHE 81 Contents:** WDH 10 safety rest and KHP pneumatic control unit.

**KHP 81 Contents:** WDH 10 safety rest and KHE electric control.



651862

Mfrs. List No.	For Use With	Order Code	1+
KHE 81	WSP80 soldering iron and WFE extraction unit	196-1321	
KHP 81	WSP80 soldering iron and WFEP extraction unit	196-1322	
KHE/P	FE 25, FE 50, FE 50M, FE 75 and FE 80 soldering irons	196-1323	

### 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

Tips	Mfrs.		Price Each			
	List No.	Order Code	1+	25+	100+	200+
	SMT0504A	139-0364				
	SMT1206D	416-964				
	SMT8K	334-8568				
<b>Iron Adaptors</b>						
LT to SMD Adaptor	0054441799	321-2269				
SMTA for LR21 Adaptor	SMTA	139-0365				
ET to LT for LR21 Adaptor	0058720781	139-0366				

### IMPROVED BACK ORDER DELIVERY

Receive email updates with the exact status, due date and despatch information of all your back order items [farnell.com](http://farnell.com)

### Spares for Soldering Irons and Stations



621943

	Mfrs. List No.	Order Code	1+
For use with	WSP80, MPR80, FE75	0058744710	128-2064
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

### Weller Soldering Tips

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

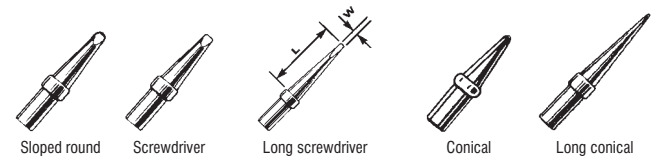


Type	Mfrs. List No.	Dimensions	Order Code
Micropoint	EPH101	L=11, W=0.38	416-850
Bent conical	EPH102*	L=11, W=0.80	416-861
Screwdriver	EPH106	L=11, W=1.5	416-903

212499

	Order Code	1+	25+	100+	200+
EPH-101	416-850				
EPH-102	416-861				
EPH-106	416-903				

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



Style	L	W	Mfrs. List No.	Order Code
Round Bent		1.2	ET-F	903-917
Round Bent	16	3.2	ET-CC	416-745
Screwdriver	15.9	0.8	ET-H	416-757
Screwdriver	15.9	1.6	ET-A*	416-769
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
Screwdriver	25.4	1.2	ET-K	416-800
Screwdriver	25.4	2	ET-L	416-812
Screwdriver	25.4	3.2	ET-M	903-905
Conical	15.9	0.8	ET-P	416-824
Conical	25.4	0.8	ET-O	416-836
Conical	25.4	0.4	ET-S	416-848

\*fitted as standard

222207

	Order Code	1+	25+	100+	200+
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 Series Tips for EC1201, FE50, LR21 and T3001 Irons - continued

Order Code	Price Each			
	1+	25+	100+	200+
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 ●			
Order Code	1+	25+	100+	200+
903-917				
416-745				
416-757				
416-769 ●				
416-770				
416-782				
416-794				
903-899				
416-800				
416-812				
903-905				
416-836 ●				
416-848 ●				
416-824				

## 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

Type	Mftrs. List No.	Order Code	1+	5+	10+
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.	Description	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

Typ	Order Code	1+	+	+	+
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	A (mm)	B (mm)
LT A	Chisel	1.6	0.7
LT A HPB	Chisel	1.6	0.7
LT B	Chisel	2.4	0.8
LT B HPB	Chisel	2.4	0.8
LT C	Chisel	3.2	0.8
LT D	Chisel	4.6	0.8
LT D LL	Chisel	4.6	0.8
LT H	Chisel	0.8	0.4
LT H HPB	Chisel	0.8	0.4
LT 1SC	Chisel	0.4	0.15
LT K	Chisel	1.2	0.4
LT L	Chisel	2	1
LT M	Chisel	3.2	1.2
LT BX	30° Chisel	2.4	0.8
LT HS	30° Chisel	0.8	
LT 4X	30° Chisel	1.2	0.4
LT AX	30° Chisel	1.6	0.8
LT 1S	Round	0.2	
LT 1	Round	0.25	
LT 1A	Round	0.5	
LT AS	Round	1.6	
LT CS	Round	3.2	
LT 1SLX	30° Round	2	0.4
LT 1X	30° Round	0.25	
LT 4	45° Round	1.2	
LT F	45° Round	1.2	
LT 1L	Conical	0.2	
LT S	Conical	0.4	
LT T	Conical	0.6	
LT O	Conical	0.8	
LT 1LX	Conical	0.2	
LT GW	45° Gull Wing	2.3	3.2
LT KN	Knife	6.3	

NT Series Tips for WMP Iron

LT AA		60° Round	1.6	4
LT BB		60° Round	2.4	4
LT CC		60° Round	3.2	6.0
LT DD 4.0		45° Round	4	6
LT DD 4.6		45° Round	4.6	6
LT BS		Chisel	2.4	
LT MX2			3.2	

457070/457079

Supplied in Packs of 10		Price	Price Each		
Mfrs. List No.	Order Code	Per Pack	Order Code	1+	5+
LT A	NEW 196-1331		132-3956		
LT B	NEW 196-1332		132-3958		
LT C	NEW 196-1333		132-3959		
LT D	NEW 196-1334		132-3960		
LT F	NEW 196-1335		128-2099		
LT H	NEW 196-1336		971-110		
LT K	NEW 196-1337		971-121		
LT L	NEW 196-1338		132-3961		
LT M	NEW 196-1339		132-3962		
LT 1	NEW 196-1340		971-029		
LT AS	NEW 196-1341		132-3971		
LT CS	NEW 196-1343		132-3972		
LT AA	NEW 209-7798		NEW 209-7797		
LT BB	NEW 196-1344		132-3966		
LT CC			132-3967		
LT DD 4.0	NEW 196-1345				
LT DD 4.6	NEW 196-1346		132-3968		
LT AX	NEW 196-1347		153-3173		
LT GW	NEW 196-1348		132-3973		
LT KN	NEW 209-7796		NEW 209-7794		
LT O			132-3963		
LT S	NEW 196-1349		380-4525		
LT T			132-3964		
LT 1S	NEW 196-1350		971-030		
LT 1SC			154-9796		
LT HS	NEW 196-1351				
LT 1L	NEW 196-1352				
LT 1LX	NEW 196-1353				
LT 1X	NEW 196-1355				
LT 1SLX	NEW 196-1356				
LT 4X	NEW 196-1357				
LT 4	NEW 196-1358				
LT BX	NEW 196-1359				
LT D LL	NEW 196-1360				
LT 1A	NEW 196-1361				
LT BS	NEW 196-1362				
LT MX2	NEW 196-1363				
LT A HPB	NEW 196-1364				
LT B HPB	NEW 196-1365				
LT H HPB	NEW 196-1367				
<b>Accessories</b>					
MT-LT ADAPTOR			154-9794		

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	415-4733
	1.6mm Conical	415-4745
	1.6mm Chisel Bent	415-4757
	2.4mm Chisel	415-4769
	3.2mm Chisel	415-4770
	4 Chisel	415-4782
	2 Conical	415-4794
	0.8 Chisel	415-4800
	1.2mm Chisel	415-4812
	0.15mm Chisel	167-6522

Mfrs. List No.	Order Code	1+	5+	10+	25+
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				

# Weller Soldering Tips - continued

## NT Series Tips for WMP Iron - continued

Accessories		Price Each	
Description	Order Code	1+	5+
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		Price Each	
Description	Order Code	1+	5+
PTF			
L = 16, W = 1.2			
PTAA			
L = 16, W = 1.6			
PTBB			
L = 16, W = 2.4			
PTCC			
L = 16, W = 3.2			
PTDD			
L = 19, W = 5.0			

Screwdriver Tips		Price Each	
Description	Order Code	1+	5+
PTH			
L = 16, W = 0.8			
PTK			
L = 25, W = 1.2			
PTR			
L = 16, W = 1.5			
PTL			
L = 25, W = 2.0			
PTC			
L = 16, W = 3.2			
PTA W = 1.6			
PTB W = 2.4			

Screwdriver Tips		Conical Tips	
Description	Order Code	1+	5+
PTM			
L = 25, W = 3.2			
PTE			
L = 19, W = 6.4			
PTP			
L = 16, W = 0.8			
PTO			
L = 25, W = 0.8			

'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

Mfrs. List No.	Order Code	1+	5+	10+	50+
<b>315°C (600°F)</b>					
PT-H6	416-526				
PT-K6	416-551				
PT-L6	416-587				
PT-O6	903-930				
<b>370°C (700°F)</b>					
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				
<b>430°C (800°F)</b>					
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				

Mfrs. List No.	Order Code	1+	5+	10+	50+
<b>480°C (900°F)</b>					
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				
Accessories		1+	5+	10+	
PT 5 LT Adaptor	171-2867				
PT 6 LT Adaptor	171-2868				
PT 7 LT Adaptor	171-2869				
PT 8 LT Adaptor	171-2870				
PT 9 LT Adaptor	171-2872				

## XT Series Tips for use with WP120

Mfrs List No.	Description	A (mm)	B (mm)
XT AL	Chisel	1.6	1.0
XT M	Chisel	3.2	1.2
XT A	Chisel	1.6	0.7
XT B	Chisel	2.4	0.8
XT C	Chisel	3.2	0.8
XT D	Chisel	4.6	0.8
XT E	Chisel	5.9	1.2
XT AA	60° Round Bent	1.6	-
XT BB	45° Round Bent	2.4	-
XT CC	45° Round Bent	3.2	-
XT KN	Knife	2	-
XT GW	45° Gull Wing	3.2	2.3
XT H	Chisel	0.8	-
XT O	Conical	1	-
XT BS	Round	2.4	-
XT CS	Round	3.2	-
XT DS	Round	5	-
XT F	30° Round Bent	1.2	-
XT D 45	45° Solar Tip	5	-

509012

Mfrs. List No.	Order Code	Price Each	10 Per Pack Order Code	Price Per Pack 1+
XT AL	157-4582		NEW 196-1369	
XT M	157-4583		NEW 196-1370	
XT A	157-4584		NEW 196-1371	
XT B	157-4585		NEW 196-1372	
XT C	157-4586		NEW 196-1373	
XT D	157-4587		NEW 196-1374	
XT E	157-4588		NEW 196-1375	
XT AA	167-6523		NEW 196-1376	
XT BB	167-6524		NEW 196-1377	
XT CC	167-6525		NEW 196-1379	
XT KN	167-6526		NEW 196-1381	
XT GW	167-6527		NEW 196-1382	
XT H	167-6528		NEW 196-1383	
XT O	167-6529		NEW 196-1384	

Mftrs. List No.	Order Code	Price Each	10 Per Pack Order Code	Price Per Pack 1+
XT BS	167-6530		<b>NEW</b> 196-1385	
XT CS	167-6531		<b>NEW</b> 196-1386	
XT DS	167-6533		<b>NEW</b> 196-1387	
XT F	167-6534		<b>NEW</b> 196-1388	
XT D 45			<b>NEW</b> 196-1388	
<b>Accessories</b>				
M4 XT Adaptor	167-6535			
M5 XT Adaptor	167-6536			

Mftrs. List No.	Order Code	Price Each 1+	Price Each 5+
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		

### RT Series Soldering Tips

For use with the WMRS Micro Soldering Station



TIP IMAGE (w/PART NUMBER)	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
	Chisel 2.2mm x 0.4mm	RT 8MS (MIL Spec)	167-6513
	Gull wing 1.2mm x 2mm	RT 10GWMS (MIL Spec)	167-6514

### XNT Series Tips for use with WXP 65



Mftrs. List No.	Type	Width (mm)	Height (mm)
XNT 1	Round	0.5	
XNT A	Chisel	1.6	0.4
XNT 1S	Round	0.2	
XNT D	Chisel	4	0.8
XNT 4	45° Round Bent	1.2	
XNT 6	Chisel	1.6	0.4
XNT B	Chisel	2.4	0.8
XNT C	Chisel	3.2	0.8
XNT H	Chisel	0.8	0.4
XNT K	Chisel	1.2	0.4
XNT 1SC	Chisel	0.4	0.15
XNT GW	Gull Wing		
XNT KN	Knife	2	

639510

Mftrs. List No.	Order Code	Price Each	10 Per Pack Order Code	Price Per Pack 1+
XNT 1	196-1389		196-1390	
XNT A	196-1392		196-1393	
XNT 1S	196-1394		196-1395	
XNT D	196-1396		196-1397	
XNT 4	196-1398		196-1399	
XNT 6	196-1400		196-1401	
XNT B	196-1402		196-1403	
XNT C	196-1404		196-1405	
XNT H	196-1406		196-1407	
XNT K	196-1409		196-1411	

## Weller Soldering Tips - continued

### XNT Series Tips - continued

for use with WXP 65 - continued

Mfrs. List No.	Order Code	Price Each	10 Per Pack Order Code	Price Per Pack 1+
XNT 1SC	196-1412		196-1413	
XNT GW	196-1414		196-1415	
XNT KN	196-1417		196-1418	
<b>Accessories</b>				
XNT MEASURING	196-1416			

### Desoldering Tips

WDS Series

**NEW**

Weller

- For use with WXDP Soldering Iron

Mfrs. List No.	Order Code	Diameter			Length	Order Code
		Internal	External	Length		
XDS 1		1.4mm	2.5mm	10.5mm		209-7807
XDS 2		3mm	5.3mm	10.5mm		209-7808
XDS 3		1mm	2.3mm	10.5mm		209-7809
XDS 4		1.2mm	2.5mm	10.5mm		209-7810
XDS 5		1.8mm	3.3mm	10.5mm		209-7811
XDS 6		0.7mm	1.9mm	16.5mm		209-7812
XDS 7		1.2mm	2.7mm	16.5mm		209-7814
XDS 8		1.5mm	2.9mm	10.5mm		209-7815
XDS 9		0.55mm	2.2mm	11mm		209-7816

655706

Mfrs. List No.	Order Code	Price Each		
		1+	5+	10+
XDS 1	209-7807			
XDS 2	209-7808			
XDS 3	209-7809			
XDS 4	209-7810			
XDS 5	209-7811			
XDS 6	209-7812			
XDS 7	209-7814			
XDS 8	209-7815			
XDS 9	209-7816			

## Weller De-Soldering & Rework Stations

### WXD 2 Soldering Station

Weller

**NEW**



- Pneumatic operation (external compressed air supply needed)
- Hot plates and fume extraction units can be controlled from the power unit
- Multilingual menu navigation and click and turn wheel for ease of use
- A total load of 255 W can be connected to the power unit - two 120 W soldering irons can be operated simultaneously and independently

- Plug in / plug out of tools with unmistakable locations
- Key data is stored on the tool you're using
- No calibration of the power unit is needed
- All WX series tools can be connected to the power unit, data stored on the hand pieces is digitally transferred without external interference

Contents of WXD 2010: WXD 2 Control unit, WXDP 120 Desoldering iron and WDH 70 Safety rest.

Contents of WXD 2020: WXD 2 Control unit, WXDP 120 Desoldering iron, WXP 120 Soldering iron, WDH 70 Safety rest and WDH 10 Safety rest.

Power consumption	255 W	ESD safe	Yes
Channels	2	Display	LCD backlighting graphic display
Interface	Yes		

655686

Description	Order Code	Price Each	
		1+	3+
WXD 2 Control Unit	209-7805		
WXD 2010 Soldering Station	209-7803		
WXD 2020 Soldering Station	209-7804		
<b>Individual Items</b>			
WXDP 120 Soldering Iron with Safety Rest	209-7806		

### WR 2 Repair Stations

Weller



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 Mirco-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)

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 with 3mm Nozzle and WDH 30 Safety Rest.

#### Contents of WR 2000D:

WR 2 power unit, HAP 1 Hot Air Pencil fitted with 3mm Nozzle and WDH 30 Safety Rest.

609375

Mfrs. List No.	Description	Order Code	Price Each 1+
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	

#### Accessories

DSX 120	Soldering Iron	<b>NEW</b> 209-7817	
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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  $\pm 2\%$  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	

212628

Order Code	1+	Price Each		
		2+	5+	10+
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  $\pm 2\%$  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	7. Gasket set
2. DSX 80 desoldering pencil	5. WPH bench support	8. Nozzles: DX112 & DX113
4. WSP 80 soldering iron	6. Clean out tool	9. 2m x 6mm air hose

241250

Mfrs. List No.	Order Code	1+	+	+
0053280699	763-4389			

## Desoldering Bulbs



- Allows temperature controlled desoldering
- Simple one finger action

212585

Iron Series	Order Code	Price Each			
		1+	5+	10+	48+
DS7-TCP	419-060				
DS7N-W60	419-072				
Replacement bulb	419-096				

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Log on, research, refine and design

Weller

Weller



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	1+	5+	10+
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

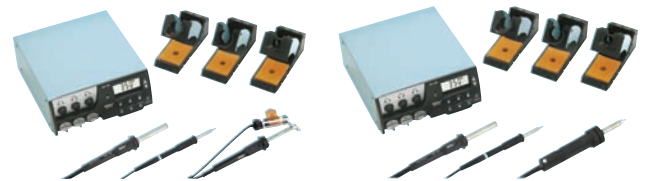
Mfrs. List No.	For use with	Order Code	1+
KH20	LR21, HAP1	454-734	
KH27	LR82	855-250	
WDH 10	WSP80/WP80	999-4068	
WDH 20	WMP	999-4076	
AK51.		412-2987	
WDH 30	DSX80/HAP200	NEW 205-7033	

Mfrs. List No.	For use with	Order Code	1+	5+
HAPN-1	1.2mm	765-041		

## WR 3000M - Innovative Repair Station

3 tool channels with automatic tool detection



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
- Extremely powerful bits, such as the new 200 Watt, HAP 200 hot air pencil, can also be easily 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

### Technical Data

Dimensions:	237 x 235 x 102mm
Weight:	6.7 kg
Mains supply voltage:	230V/ 50/60Hz
Power Consumption:	420 W
Safety Class:	I and III, housing antistatic
Fuse:	Current release 2 A (4 A)

# Weller De-Soldering & Rework Stations - continued

## WR 3000M - Innovative Repair Station - continued

### 3 tool channels with automatic tool detection - continued

Temperature control of channels: 50°C - 550°C (150°F - 999°F)  
 Controllable temperature range is tool-dependent  
 Temperature accuracy: ± 9°C (±17°F)  
 Temperature stability: ± 2°C (±4°F)  
 Pump: max. vacuum 0,7 bar  
 (periodic duty (30/30) s) max delivery rate 18 l/min  
 Hot air max. 15 l/min  
 Additional Pump: max. vacuum 0,5 bar  
 max delivery rate 1,7 l/min  
 Equipotential bonding: Via 3,5 mm pawl socket  
 on back of device

**WR 3000M Set (158-2381 (UK & EU)):**WR 3M; HAP 200 Hot-air pencil with WDH 30 Safety rest; DSX 80 Desoldering iron with WDH 30 Safety rest; WP 80 Soldering iron with WDH 10 Stop + go Safety rest; WVP Vacuum pick up; WDC 2 Dry cleaner, EU and UK mains cable.

**WR 3000M Set (133-9575 (UK & EU)):**HAP 200 hot-air pencil and WDH 30 Safety rest; DXV 80 desoldering iron with WDH 40 Safety rest; WP 80 Soldering Iron with WDH 10 Stop + Go Safety rest; WVP Vacuum pick up; WDC 2 Dry cleaner; EU and UK mains cable.

**WR 3M (161-4559 (UK + EU)):**WR 3M Control Unit only

Can be used with the following Weller tools: HAP 1, DSX 80, DXV 80, WMRP, WSP 80, WP 80, MPR 80, WMP, LR 82, WSP 150, LR 21, WMRT, WST 20, WTA 50, WST 82, WSB 80, WHP 80, WVP, WSB 150, WRK:

### Accessories



The newly developed, innovative desoldering system facilitates soldering and desoldering of large SMT components up to 30 x 30 mm. The desoldering system can be connected to the additional vacuum channel (pick up) of the WR 3M.



Components can be easily and safely moved with the aid of the WVP vacuum pipette. The housing is antistatic and the vacuum nipples are available in 2 different sizes. The desoldering system can be connected to the additional vacuum channel (pick up) of the WR 3M.



Soft solution for cleaning from lead free solder with metal wool. For WDH safety rests.

469498

Description	Type	Mfrs. List No	Order Code	Price Each
Repair station-Set (with DSX 80)	WR 3000M (UK + EU)	0053368699	158-2381	1+
Repair station-Set (with DXV 80)	WR 3000M (UK + EU)	0053368399	133-9575	1+
Control Unit only	WR 3M (UK + EU)	0053366399	161-4559	1+
<b>Accessories</b>				
Desoldering system	WRK	0051515599	133-9580	1+
Desoldering Gun	WVP	0052918499	133-9578	1+
Dry Cleaner	WDC 2	0053368699	133-9581	1+
Soldering Iron	DSX 120	0051319899	NEW 209-7817	1+
<b>Price Per Pack</b>				
Spare Metal Wool (Pk 2)	WDC 2 Dry Cleaner	0051384199	179-2732	1+

## 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 preselection 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	1+
WD 3002HPT (UK + EU)	005 33 746 99	167-6540	1+
WD 3M (UK + EU)	005 33 726 99	173-5227	1+
<b>Individual Items</b>			
WP 200 Soldering Iron	005 29 199 99	172-9969	1+
WP 200 Soldering Kit	005 29 200 99	172-9970	1+
WMRP Solder Pencil	005 29 171 99	112-0571	1+
WMRT Thermal Tweezer Set	005 13 173 99	117-4843	1+
WMRT Thermal Tweezer	005 13 174 99	112-0564	1+
<b>Tips</b>			
XHT D	005 44 801 99	173-5228	1+
XHT E	005 44 802 99	173-5229	1+

## HAP 200 Hot-Air Pencil



The HAP 200, 200 W/24 V Hot Air pencil, provides a directional hot airflow that is adjustable and static-free. Electronically temperature controlled from 50°C to 550°C. Different nozzles available as accessories. Finger switch controls speed adjustable pump.

526799

Mfrs. List No.	Order Code	Price Each
HAP 200	167-6502	1+
HAP 200 SET	133-9579	1+
<b>Replacement Soldering Iron</b>		
WDH 30	NEW 205-7033	3+

## 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 1/4 turn. 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		
			1+	3+	5+
DXV 80 Desoldering Set	005 13 182 99	145-6903			
DXV 80 Desoldering Iron	005 13 180 99	999-4050			
Replacement Items/Consumables			Price Per Pack		
Solder Collection Tube (Pk 5)	005 87 418 15	101-8764	1+	5+	10+
WDH 40 Safety Rest	005 15 153 99	167-6501			

## 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	1+
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
			1+
DSX80 Desoldering Set	0051318399	150-2817	
DSX80 Desoldering Iron	0051319099	412-2422	
WDH 30 Safety Rest	WDH 30	NEW 205-7033	
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



DS110 DS111 DS112 DS113 DS114 DS115 DS118

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
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

212655

Mfrs. List No.	Order Code	Price Each			
Metric Tips		1+	5+	10+	48+
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				

## Desoldering Blocks



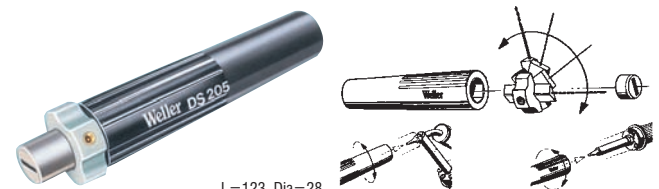
- Fitted with 'Magnastat', for use on dual-line packages

230542

Iron Series	No of Pins	Mfrs. List No.	Order Code	Price Each			
				1+	5+	10+	48+
TCP*	14/16	DIL 16SWG	128-2112				
W60/W61	16	DIL 16WGN	128-2113				

\*Not suitable for TCP 12V

## 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	

## Spares for Desoldering Irons/Stations



621954

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,		

# Weller De-Soldering & Rework Stations - continued

## Spares for Desoldering Irons/Stations - continued

	For use with	Mfrs. List No.	Order Code	Price Per Pack
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)			
Heating elements	DS700D/E, DS800D/E, DS900 & D/E, DS900P & D/E, DS802D/E, DS701D/E	0051360599	417-993	
		HE1	417-440	
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	

## 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 RO6 nozzle (3mm) RO4 nozzle (1.2mm)

Dimensions (L x W x H) 180mm 115mm 101mm  
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	1+ 2+

### WHA 900 Hot Air Rework Station



- Analogue scales of airflow and air temperature
- LED display to indicate temperature condition
- 700 watt hot air pencil
- Temperature range 50 - 550 deg. C
- Air volume variable 5 - 50 l/min
- Temperature offset function
- Stand by function
- ESD safe

The WHA 900 hot air rework station is designed to perform less complex surface mount rework operations. Using the wide range of Weller NR, ND and NQ nozzles dual in line and quad pack, surface mount devices can be safely and easily removed. Air temperature is electronically controlled and maintained at the selected temperature regardless of the air-flow rate.

The air supply is provided by an internal pump, driven by a maintenance free brushless motor. Stand by and run functions can be programmed to allow basic temperature profiling to be set.

Technical specification	Technical specification
Voltage 230V / 50/60Hz	Temperatures 50°C - 550°C
Power 700W	Dimensions 235 x 175 x 110mm
Airflow rate 10-50l/min	Protection: Class I

463342

Mfrs. List No.	Order code	Price Each
0053171699	134-1267	1+
0051504899	131-7219	1+

### 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 to +430°C
Power	210W

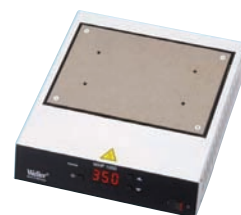
496459

Description	Order Code	Price Each
Heat Gun UK	152-3762	1+
Heat Gun EU	168-9001	

## Weller Hotplates

### Pre-heating plate WHP 1000

1000W



The WHP 1000 is a 1000W/230V pre-heating plate particularly suited for use with flat silicon cells as well as ceramic and glass boards.

Using the WHP 1000 allows the temperature of the board's substrate material to be raised to the correct working temperature, ensuring perfect soldering operations without the risk of damage to the board from thermal shock. Large 220 X 150mm pre-heating plate with even heat distribution. Four 250W heating elements allow electronic assemblies to be pre-heated in a number of ways.

Mains voltage	230V ac / 50 Hz	Dimensions (B x L x H)	254 x 280 x 70 mm
Power input	1KW	Dimensions pre-heating plate (LxB)	150 x 220 mm
Temperature range	+50°C to +300°C		

535438

Mfrs List No.	Order Code	Price Each
WHP 1000	169-9674	1+

### WHP 200

200W Heating Plate



The WHP 200 is an under board heater which although small in dimensions is very powerful. The WHP 200 is designed to be used on small multilayer PCBs to minimize the risk of thermal damage to boards and to speed up the repair process. The infrared plate provides fast, precisely controlled heating to create an even substrate temperature. The heating plate comes complete with a pcb board holder so there is no need to buy additional accessories.

Mains voltage	230V ac	
Power consumption	200W	
Temperature range	50°C - 400°C	
Dimensions	Heating Plate H = 84mm, W = 193mm, L = 193mm	
	Heating surface W = 60mm, L = 120mm	

526803

Mfrs. List No.	Order Code	Price Each
WHP 200 (UK)	167-6537	1+
WHP 200 (EU)	167-6538	

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## WHP 80

### Heating Plate



Heating Plates are used to pre-heat circuit boards under repair to reduce the possibility of thermal damage and to reduce the heat requirement of the soldering tool for speeding up the repair process.

- For use with all 80W power units
- Heating surface 80mm x 50mm
- Overall size 150mm x 120mm x 65mm (L x W x H)
- ESD safe

Heating plate voltage 24V  
 Power consumption 80W  
 Accuracy ±2% of final value  
 Dimensions Heating Plate H = 65mm, W = 120mm, L = 150mm

448371

Description	Mfrs. List No.	Order Code	Price Each		
			1+	5+	10+
80W Euro Plug Hot Plate	WHP80	401-5010			

## WHP 3000

### 600W Heating Plate



Heating Plates are used to pre-heat circuit boards under repair to reduce the possibility of thermal damage and to reduce the heat requirement of the soldering tool for speeding up the repair process.

- Does not need external power unit
- Heated area 120mm x 190mm
- Overall size 254mm x 395mm x 70mm (L x W x H)
- Digital display of set and read temperature
- Ceramic elements
- Temperature range 50 - 400°C
- RS 232 interface
- ESD safe

Mains voltage 230V ac  
 Power consumption 600W  
 Temperature range 50°C - 400°C  
 Dimensions Heating Plate H = 70mm, W = 395mm, L = 254mm  
 Heating surface W = 120mm, L = 190mm

448375

Description	Order Code	Price Each	
		1+	5+
Heating Plate (600W)	855-6130		

## WHP 3000

### 1200W Heating Plate



- Does not need external power unit
- Heated area 190mm x 245mm
- Overall size 254mm x 395mm x 70mm (L x W x H)
- Digital display of set and read temperature
- Ceramic elements
- Temperature range 50 - 400°C
- RS 232 interface
- ESD safe

Heating Plates are used to pre-heat circuit boards under repair to reduce the possibility of thermal damage and to reduce the heat requirement of the soldering tool for speeding up the repair process.

Mains voltage 230V ac  
 Power consumption 1.2kW  
 Temperature range 50°C - 400°C  
 Dimensions Heating Plate H = 70mm, W = 395mm, L = 254mm  
 Heating surface W = 120mm, L = 190mm

448377

Description	Order Code	Price Each	
		1+	5+
Heating Plate (1200W)	855-6148		

Weller

## Weller Temperature Monitors

### Temperature Monitor - WTT 1

Weller



- Designed for low mass miniature soldering iron tip measurements
- Does not heat sink the measured item
- Probe has own internal heat source with dual sensor system measuring both temperatures and heat flow
- Accurate measurements in less than 10 seconds
- Spare probe available (WTT 1P)

Temperature range 65°C-510°C - Tolerance ±5°C

212621

Description	Order Code	Price Each		
		1+	2+	5+
WTT 1	380-4410			
WTT 1	380-4410			
WTT 1P Probe	323-5646			

## Soldering Accessories

### Tip Cleaner

DURATOOL



- 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): Ø82x30mm

411350.484816

Description	Order Code	Price Each	
		1+	5+
Tip Cleaner	146-7280		

### WDC Dry-Cleaner

The solution for cleaning from Leadfree Solder

Weller



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	Price Per Pack		
		1+	5+	10+
WDC Dry Cleaner	999-4084			
Spare Metal Wool (Pk 2)	179-2731			

## Soldering Accessories - continued

### 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.

Weller

475168

Description	Mfrs.	Order Code	Price Each		
	List No.		1+	5+	10+
Tip Maintenance Kit	0051512699	137-8426			

### 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.

Weller

526795

Description	Mfrs.	Order Code	Price Each		
	List No.		1+	5+	10+
Tip Maintenance Kit	0051512799	167-6500			
<b>Price Per Pack</b>					
Spare Metal Wool (Pk 2)	T0051384199	179-2732			

## De-Soldering Guns

### ESD Desoldering Pump



DURATOOL

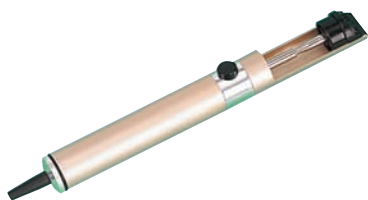


- Metal body with 7.7cm<sup>3</sup> volume
- ESD compliant
- Electrical resistance 10<sup>5</sup> OHM
- Heat resistant & conductive carbon fibre nozzle

602863

Description	Mfrs.	Order Code	Price Each		
	List No.		1+	5+	10+
Desoldering Pump, ESD	D01699	179-2724			
Replacement nozzle, ESD	D01700	179-2725			

### Dedsoldering Pump



- Metal construction
- Anti-static tip

DURATOOL

230533

Description	Length (mm)	Order Code	Price Each		
			1+	5+	10+
Desoldering pump	162	312-5634			
Desoldering pump	195	312-5646			
<b>Accessories</b>					
Spare tip		312-7709			

### Soldapullt DS 017/DS 017LS



Dimensions:  
 Ø = 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

Order Code 1+ 5+ 10+ Price Each

Standard	Order Code	1+	5+	10+
DS017 gun	871-345			
Spare nozzle	871-590			
Antistatic	Order Code	1+	5+	10+
DS017LS gun	835-511			
Spare nozzle	844-408			

### Soldapullts



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

212555

Description	Order Code	Price Each		
		1+	5+	10+
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		
			1+	10+	20+
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			

### Desoldering Gun

Anti-Static



Length = 198mm, Diameter = 26mm

- Tool features a silicon rubber 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

535476

Description	Mfrs. List No.	Order Code	Price / Pack		
			1+	10+	20+
Anti-static Gun	39466	168-9398			
Spare Nozzle (Pk 5)	39506	168-9401			
Spare Neoprene Washer	584	100-519			
Spare Nylon Washer	DSGDET4	100-520			
Spare Circlip	DSGDET11	100-521			

## Lightweight, Low Cost

Anti-Static Version



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			
		1+	5+	10+	20+
Anti-static gun	282-637				
Spare nozzle assembly	282-649				

## Standard



L=192, Dia=22mm

212664

	Order Code	Price Each		
		1+	+	+
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			

Length	Diameter	Nozzle O.D
192mm	20mm	1.5mm

## Micro Anti-static



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

230536

Mftrs. List No.	Description	Order Code	1+	5+	10+
59802	Micro Anti-static Gun	105-926			
59803	Spare anti-static nozzle	105-927			
58301	Spare neoprene washer	143-917			

## Micro Miniature



143-916: L = 155, Dia = 14.5mm

621956

Description	Order Code	Price Each		
		1+	5+	10+
Micro Miniature Gun	143-916			
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

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

## Fume Extraction Systems

### Bench Top Fume Absorber



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	23W	Technical Data	130x130x10mm
Power Consumption	23W	Filter Dimensions (HxWxD)	130x130x10mm
Dimensions (HxWxD)	270x220x168mm	Weight	1.5kg

Not recommended when using Rosin based flux solders.

472908/476821

Description	Order Code	Price/Pack	
		1+	3+
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



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	23W
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			
		1+	3+	10+	30+
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
- 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

## BVX-101 Fume Extraction System - continued

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

338827

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		

372077.410651

Description	Pack	Mftrs. 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	



## TROUBLESHOOTING TIPS

Chat online to one of our technical engineers at [farnell.com](http://farnell.com)

## 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	Qty
		<b>BTX-CK4-75 101-0140</b>
Max number of Stations when using 5.6mm Tubes	In-Line	4
	Back to Back	8
		<b>Qty</b>
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

417199

Description	Mftrs. 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	
Pre-Filter (Pk of 5)	FP-BVX200	802-6220	

Price Per Pack

## Arm-Evac 105 Fume Extraction Kit



The Arm-Evac 105 Extraction Kit is portable, compact and can be easily placed on or under a workbench and can be quickly disassembled and reassembled in another location as manufacturing processes change. The unit features a heavy-duty, maintenance free brushless motor along with a filtration process which includes a pre-filter for coarse particle removal, and a High Efficiency Particulate Arrestor (HEPA)/Gas Filter cartridge. An inlet cap is provided to seal the unused inlet if only one flex arm is used.

Airflow	233m <sup>3</sup> /h
Dimensions (WxDxH)	290 x 290 x 362 mm
Weight	11.5 kg
Sound Level	55 dBA

### Kit Contents:

- ARM-EVAC 105 Fume Extraction Unit
- 1 ESD Safe Flex-Arm is supplied
- Quick-mount Bench Mounting Bracket Kit
- ESD Safe Flexible Hose 2.5m

526348

Description	Mfrs. List No.	Order Code	Price Each
ARM-EVAC 105 Kit	8888-9105	166-0849	1+

## 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

### Fume Extraction Kit

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

### Expansion Kit

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

Airflow	288m <sup>3</sup> /h
Dimensions (W D H)	280 x 330 x 395 mm
Weight	14 kg
Noise	59 dBA @ 2m (6')

212624

Description	Order Code	1+	2+	5+
Fume Extraction Kit	322-8459			
Expansion Kit	322-8460			
<b>Accessories</b>				
75mm Extension Arm	177-5296			

## 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

621960

Description	Mfrs. List No.	Order Code	Price Each/Pack
Arm Evac 50	8889-0050	392-4841	1+
<b>Accessories</b>			
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	

## 50mm Plastic ESD Safe Flex Arm



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

**NEW**

621874

Description	Mfrs. List No.	Order Code	Price Each
50mm ESD Safe Flex Arm	8886-0431-P1	186-5650	1+

## 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	1+

## Fume Extraction Spares - Arm Evac 200



212622

	Order Code	1+	2+	5+
Pre Filters (Pk Qty 5)	322-8514			
General Purpose Filter (HEPA/GAS)	322-8526			
75 to 50mm Reducer & Hose	NEW 186-5652			

## Fume Extraction System Zero Smog 4V Kit with 2 Funnels



**NEW**



To protect the health of operators, Weller introduces the Zero-Smog 4V, the small fume extraction unit. A visual filter monitoring system (red/yellow/green) together with an audible alarm signal gives early warning of the filter condition, guaranteeing optimum performance. The new pressure control system ensures that a constant air flow is maintained at each extraction arm regardless of the number of arms in operation. The motor speed is adjusted automatically so that energy is saved, noise level is reduced and filter life is prolonged. The Zero-Smog 4V has connection points for 4 arms and is fitted with one Easy-Click connection. If more connections are required these can be bought separately. The new Easy-Click system is designed for many different configurations. Control parameters can be loaded via a USB flash drive. Backlight digital display. Ease of navigation with a multilingual menu.

Input Voltage	230V	Sound Level in 1m	48dB
Max. Vacuum	2700Pa	Dimensions (HxWxD)	320x320x395/395
Max. Volume	230m <sup>3</sup> /h	Weight	1919

**Kit Contents:** Zero Smog 4V Unit, Filters, 2x 60mm extraction Funnel, 2x Extraction Arm, 2 x Funnel Nozzle, 2 x Stop Valve, 2 x Mounting Bracket and 2 x Extraction Hose.

655719

Mfrs. List No.	Order Code	1+	+
T0053664699	209-7819		

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[farnell.com/ibuy](http://farnell.com/ibuy)

## 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) Weight: 19Kg Max. Vacuum: 2700 Pa Max. Airflow: 230m<sup>3</sup>/h

Dimensions: 320mm x 320mm x 395mm (L x W x 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

Mftrs.	List No.	Order Code	Price Each/Pack
WFE 2 Kit 2	0053645389	168-9000	1+
<b>Spares</b>			
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	
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 H12 HEPA filter plus wide band gas filter Max. Vacuum: 1800 Pa Max. Airflow: 220m<sup>3</sup>/h 475167

Description	Mftrs. List No.	Order Code	Price Each
Fume Extraction Kit	0053651689	168-8999	1+
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

526786

Description	Mftrs. List No.	Order Code	Price Each
WFE 2X Unit Only	0053658899	167-6547	1+ 5+
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	

## WFEP Tip Extraction unit



- Drives 1 or 2 tip extraction soldering irons
- 2 speed motorised pump
- Maintenance free motor
- Sound level 40db(A) at 1 m.
- 3 stage filter system
- Height/diameter 295 x 140 mm
- Input power 50Watt

2 station Motor driven Bench Top, Tip Extraction Unit

Comprises:  
Fume extraction unit  
Main filter(H13 grade HEPA + wide band gas filter) part no 53641099  
Fine dust filter grade F7 part no 53642199

Max. capacity: 2 FE Soldering irons  
Sound Level: 40 dB (A)  
Weight: 50 W

212630

Mftrs List No	Order Code	Price Each
Fume Extraction Kit	322-4259	1+ 2+ 5+
<b>Accessories</b>		
Main Filter MF-2	479-536	



## ERSA EA 110 Plus Fume Extraction Unit

Powerful Workbench Extraction Unit for up to Two Extraction Arms



Extraction arm with 700mm flexible hose (for worktop mounting) including connection hose, table clamp and quick connector

- Compact and powerful system to efficiently clean soldering process air
- Due to its variable power control and high suction power, the unit can extract solder fume from up to two workbenches
- The variable and easy to change mounting of the unit allows usage even in constricted areas
- Two stage filtering of the solder fumes: first a particle filter separates even floating particles from the process air, then in the gas filter, activated carbon absorbs harmful gas molecules
- A necessary filter exchange is indicated by optical and acoustic signals
- Each suction nozzle can easily be connected with the flexible suction arm enabling the user to adapt the EA 110 plus to any new working conditions within minutes
- Very low noise
- Not only suitable for production but also in repair, development and laboratory areas

**Technical Data:**  
 Power consumption: 100W  
 Power supply: 100 - 250V, 50 - 60Hz  
 Max air flow: 140m<sup>3</sup>/h  
 Vacuum: 2200Pa  
 Noise level: 51dB  
 Filter: Activated carbon

435524

Mftrs. List No.	Description	Order Code	1+	3+	Price Each
EA 110 PLUS	Soldering station, euro plug	120-3956			
<b>Accessories:</b>					
3CA06-4001	Extraction arm with flexible hose	120-3958			
3CA06-5001	Metal extraction nozzle, 50mm ∅	120-3960			
3CA06-2002	Connecting hose, 2m	120-3961			
3CA06-1001	Spare Filter	155-3437			

## Complete Single Arm Fume Extraction System

System 200



- Suitable for removing higher temperature toxins (Rosins) caused by lead-free soldering
- Full HEPA (99.97% down to 0.3 microns) & Gas Filter
- Designed to meet COSHH & HSE legislation
- low noise level (<53 dBA)
- Includes 50mm ESD extraction arm and installation kit
- Airflow 90 m<sup>3</sup> /hr

Dimensions(mm): L=380, W=260, D=260

Comprehensive single arm extraction unit (230 V ac 50 Hz) for removing and purifying fumes generated during soldering and glue solvents.

435334

Mftrs. List No.	Order Code	1+	3+	6+	Price Each
<b>System 200</b>					
Unit	SYSTEM 200	111-7709			
<b>Accessories</b>					
Pre Filter	250-PF	111-7711			
Combined Filter	250-CF	111-7712			

The first online technical portal for design engineers  
 Log on, research, refine and design

## Complete Dual Arm Fume Extraction System

System 250



- Suitable for removing higher temperature toxins (Rosins) caused by lead-free soldering
- Dual Arm extraction unit (230 V ac 50Hz)
- Full HEPA (99.97% down to 0.3 microns) & Gas Filter
- Designed to meet COSHH & HSE legislation
- low noise level (<53 dBA)
- Includes 2 x 50mm ESD extraction arm and installation kit
- Airflow 90 m<sup>3</sup> /hr

Dimensions(mm): L=420, W=260, D=260

Comprehensive dual arm extraction unit (230 V ac 50 Hz) for removing and purifying fumes generated during soldering and glue solvents.

435482

Mftrs. List No.	Order Code	1+	3+	6+	Price Each
<b>System 250</b>					
Unit	SYSTEM 250	111-7710			
<b>Accessories</b>					
Pre Filter	250-PF	111-7711			
Combined Filter	250-CF	111-7712			

## Universal Fume Extraction Conversion Kits



212571

Make	Iron	Order Code	1+	3+	6+	Price Each
Any	Universal	NEW 186-0667				
Any	Universal (ESD)	NEW 186-0668				

## 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

	Order Code	1+	10+	Price Each
Fume displacement unit	501-529			
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	1+	10+	Price Each
Vacuum Pick-Up Tool	151-6350			

**Pick-up tool type LP200**

Antistatic



LP200 Pick-up tool antistatic with clip, for lifting and placing of desoldered components for soldering again.  
 LP200-S Pick-up tool additionally with anti-reflecting black surface for setting in magnifying applications.

Dimensions:  $\varnothing = 14$   
 L = , with Draw-Off needle      Dimensions in mm  
 Weight: 15g  
 1 Pick-up tool type LP 200      1 Draw-Off Needle with Suction Pad  $\varnothing$  6mm  
 1 Draw-Off Needle with Suction Pad  $\varnothing$  3mm      1 Draw-Off Needle with Suction Pad  $\varnothing$  9mm  
 \*not in picture, stuck on top of each other

246426

Mfrs. Part No.	Order Code	Price Each		
		1+	5+	10+
LP 200 Pick-up tool	844-482			
LN250Vacuum Nozzle $\varnothing$ 3mm	844-494			
LN250Vacuum Nozzle $\varnothing$ 6mm	844-500			
LN250Vacuum Nozzle $\varnothing$ 9mm	844-512			

**Vacuum Pick-Up Tool and Flux Dispenser**



the small brother to the well-known vacuum pick-up LP 200 PENVAC

- perfect, flexible tool for handling small devices in cramped spaces
- for picking-up and replacing of SMDs

617989

Typ	Best.-Nr.	Preis Pro Stück		
		1+	5+	10+
LP21	184-5039			

**Vacuum Pickup Tool**

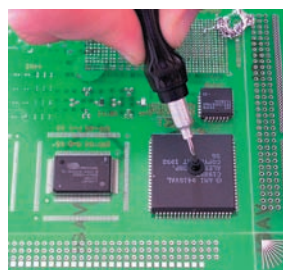


334140

Description	Order Code	Price Each		
		1+	5+	10+
Vacuum Pick Up Tool	468-1812			
H.P. ESD Spare Parts Set	473-3599			

**Pickup Tool LP20 PIXTER**

antistatic



- Suitable for picking up and placing of desoldered and re-soldering of SMD devices
- Versatile variety of a small, flexible and useful tool
- High Performance pickup tool

- Supplied with two different antistatic suction cups:  
 LN251 - straight lifting needle with suction cup  $\varnothing$  3mm  
 LN260 - bent lifting needle with suction cup (disc)  $\varnothing$  6mm

311979

Mfrs. Part No.	Order Code	Price Each		
		1+	5+	10+
LP 20 PIXTER	462-3125			

**Assembly Jig PCSA**

with ESD secure spare foam



- The series PCSA assembly jigs are ideally supporting at assembling and soldering PCBs
- The jigs can easily be sectioned to its single components and mounted into other combinations
- Components will securely be fixed while cutting and soldering by proof cushion made of foam

334135

Mfrs. List No.	Useable size in mm	Order Code	Price Each		
			1+	3+	5+
<b>Assembly Jig</b>					
PCSA-1	280 x 290	468-1745			
PCSA-2	520 x 280	468-1757			
PCSA-4	520 x 410	468-1769			
<b>ESD secure spare foam</b>					
PCSA-1.2	for PCSA-1	468-1782			
PCSA-2.2	for PCSA-2	468-1794			
PCSA-4.2	for PCSA-4	468-1800			
<b>Cover Clip</b>					
SC-PCSS	for PCSA	171-2210			
RIC-PCSA-N1	for PCSA	186-9400			

**Track Cutter**

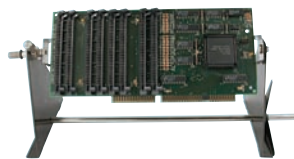


A useful tool for breaking copper tracks on stripboards. Turning the tool about the point where the track is to be broken will produce a neat cut.

655212

Mfrs. List No.	Order Code	Price Each		
		1+	10+	100+
3360568A	336-0568			

**Board holder**



- Versatile PCB-Holder
- Ideal for populating, desoldering and repairing printed circuit boards
- The board can be turned through 360°
- Dimensions: 300 x 120x 120 mm
- Max. board length: 250 mm
- The holder is supplied without the printed circuit board

473284

Mfrs. List No.	Order Code	Price Each		
		1+	5+	10+
PC-40	136-0332			

**PCB Table**



X/Y-PCB table  
 Weight: 3350 g

622532

Mfrs. Part No.	Order Code	Price Each	
		1+	3+
01R5500-01	186-6256		

**IMPROVED BACK ORDER DELIVERY**

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## Solder Wire - Lead Free

### FLOWTIN TC KS115 lead-free solder wire



- **Sn99Cu1 + microalloys:** small doses (max. 0.07%) of other elements (Co, Ni, Fe, Ce) are added to the conventional lead-free alloy
- This has considerable advantages: smoother and/or glossier solder joints and increased service life of the soldering tips (+ approx. 50%)
- KS115: rosin-free, halide-activated flux material
- Bright, solid residues + less steam and splashing on account of synthetic resins

- Eutectic alloy (defined melting point: 227°C)
- Rapid wetting of solder surfaces
- The flux material conforms to **DIN EN 29454-1 Type 1.2.3.B**, according to **DIN EN 61190-1-1 RELO**

451222

Wire Ø (mm)	Weight (g)	Order Code	Price Per Reel		
			1+	5+	10+
0.3	250	130-7171			
0.5	250	130-7172			
0.7	250	130-7173			
1.0	250	130-7175			
0.5	500	130-7176			
0.7	500	130-7177			
1.0	500	130-7178			
1.2	500	130-7179			

### FLOWTIN TSC KS100 lead-free solder wire



- **Sn95.5Ag3.8Cu0.7 + microalloys:** small doses (max. 0.07%) of other elements (Co, Ni, Fe, Ce) are added to the conventional lead-free alloy
- This has considerable advantages: smoother and/or glossier solder joints and increased service life of the soldering tips (+ approx. 50%)
- KS100: rosin-free, halide-free activated flux material
- Bright, solid residues + less steam and splashing on account of synthetic resins

- Eutectic alloy (defined melting point: 217°C)
- Rapid wetting of solder surfaces
- The flux material conforms to **DIN EN 29454-1 Type 1.2.3.B**, according to **DIN EN 61190-1-1 RELO**

451217

Wire Ø (mm)	Weight (g)	Order Code	Price Per Reel		
			1+	5+	10+
0.3	250	130-7163			
0.5	250	130-7164			
0.7	250	130-7165			
1.0	250	130-7166			
0.5	500	130-7167			
0.7	500	130-7168			
1.0	500	130-7169			
1.2	500	130-7170			

### FLOWTIN TSC KS115 lead-free solder wire



- **Sn95.5Ag3.8Cu0.7 + microalloys:** small doses (max. 0.07%) of other elements (Co, Ni, Fe, Ce) are added to the conventional lead-free alloy
- This has considerable advantages: smoother and/or glossier solder joints and increased service life of the soldering tips (+ approx. 50%)
- KS115: rosin-free, halide-activated flux material
- Bright, solid residues + less steam and splashing on account of synthetic resins

- Eutectic alloy (defined melting point: 217°C)
- Rapid wetting of solder surfaces
- The flux material conforms to **DIN EN 29454-1 Type 1.2.3.B**, according to **DIN EN 61190-1-1 RELO**

451225

Wire Ø (mm)	Weight (g)	Order Code	Price Per Reel		
			1+	5+	10+
0.3	250	130-7180			
0.5	250	130-7181			
0.7	250	130-7182			
1.0	250	130-7183			
0.5	500	130-7184			
0.7	500	130-7185			
1.0	500	130-7187			
1.2	500	130-7188			

### 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+	5+	10+
1.0	250	840-0369			
1.0	500	840-0377			
1.5	250	840-0385			
2.0	250	840-0393			

## 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

**Note:** It is essential that the residues from soldering with Hydro-X be removed as soon as possible after soldering. Flux is conductive thus must be washed immediately.

212536

Dia.	Order Code	Price Per Reel			
		1+	5+	10+	20+
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	Order Code	Price Per Reel			
			1+	5+	10+	20+
	1.63mm	629-455				
250g Reels	1.63mm	629-479				
	0.71mm	629-480				
Tin/Lead	500g Reels	1.63mm	629-492			

## FREE GLOBAL LEGISLATION SUPPORT



RoHS, REACH, WEEE, ErP, Batteries Directive - latest updates, free white papers and live online Q&A at [element14.com/legislation](http://element14.com/legislation)

## Solder Wire - Water Soluble, High Activity Flux - continued

### "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



500g Reels		Price Per Reel			
Dia.	Order Code	1+	5+	10+	20+
0.91mm	629-443				

212537

## 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 ROLO approved



Alloy 62% Tin, 36% Lead, 2% Silver Alloy, (179°C Liquidus)

Mfrs.		Price Each			
Size	List No.	Order Code	1+	10+	
500g	2006905-M	509-1111			

339068

### 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 stencilling, 500g jars
- Suitable for reflow in air or nitrogen

222229

Type	Container	Order Code	Price Each		
			1+	5+	10+
RA10	cartridge	131-5813			
RA10	25g syringe	149-968 ▲			
RM92 (Stencilling)	500g tub	201-352 ▲			
RM92 (Screen Printing)	500g tub	201-364 ▲			
<b>Accessories</b>					
Needle Kit		131-5813			

## Solder Paste CR44



- No globule or spatter formation
- Superior definition
- Conical dispensing needles available
- Suitable for Fine Pitch Applications
- 10g, 5ml

LOET240

Typ	Inner Ø (mm)	Order Code	Price Each		
			1+	5+	10+
<b>Solder paste</b>					
#CR44	—	876-768			
<b>Dispensing Needles</b>					
CR 499	0.41	NEW 152-1899			
CR450	1.5	876-770			
CR450	1.2	876-781			
CR450	0.84	876-793			
CR450	0.58	876-800			

## 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



Mfrs.		Price Each			
Size	List No.	Order Code	1+	10+	
500g	1303125	169-7892			

339069

## 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

Size	Order Code	Price Each		
		1+	10+	+
500g Jar	125-7149 ●			

### 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.		Price Each			
Size	List No.	Order Code	1+	10+	
500g	3209885-M	509-1100 ●			



## TROUBLESHOOTING TIPS

Chat online to one of our technical engineers at [farnell.com](http://farnell.com)

## Lead Free No-Clean Solder Paste



- Lead-free no clean Paste
- Superior definition
- Easy soldering of lead-free soldering joints when compared to lead-free soldering wire
- No globule or spatter formation
- Excellent suitability for fine pitch applications
- Perfect soldering results with hot air tools and soldering irons
- Conical dosing needles in various sizes available
- Solder paste alloy contains Bismuth, thus allowing lower temperatures than usual SnCuAg alloys
- Volume: 5ml
- Melting temperature: 215°C to 260°C

660294

Mftrs. List No.	Description	Order Code	Price Each		
			1+	5+	10+
CR11	5ml Solder Paste	213-1462			
<b>Needles</b>					
CR 490	0.2mm	162-5807			
CR 495	0.25mm	162-5806			
CR 499	0.41mm	152-1899			
CR453	0.58mm	876-800			
CR452	0.84mm	876-793			
CR451	1.2mm	876-781			
CR450	1.5mm	876-770			

## Soldering Paste CR88

Easy to use, particularly suitable for SOPs, QFPs, PLCCs, etc.



- Leadfree NO-CLEAN - Paste
- superior definition
- easy soldering of leadfree joints
- no globule or spatter formation
- Excellent suitability for fine pitch applications
- Perfect soldering results with hot air tools and soldering irons
- Conical dosing needles in various sizes

496158

Mftrs List no	Inside-∅ (mm)	Order Code	Price Each		
			1+	5+	10+
<b>Soldering Paste</b>					
CR 88	—	152-1898			
<b>Nozzles</b>					
CR 490	0.2	162-5807			
CR 495	0.25	162-5806			
CR 499	0.41	152-1899			
CR450	1.5	876-770			
CR450	1.2	876-781			
CR450	0.84	876-793			
CR450	0.58	876-800			

## Solder Fluxes & Chemicals

### Solder Pastes



- Supplied in syringe applicators
- Lead Free Versions available
- Water Washable versions available
- Supplied in 10cc syringes, nett weight 35g



617767

Mftrs. List No.	Description	Order Code	Price Each	
			1+	5+
<b>Standard: Sn63 / Pb37</b>				
SMD291AX10	10cc	185-0223		
SMD4300AX10	Washable, 10cc	185-0224		
<b>Lead Free: Sn96.5 / Ag3 / Cu0.5</b>				
SMD291SNL10	10cc	185-0225		
SMD4300SNL10	Washable, 10cc	185-0226		

## SMD Removal Kits



Safely removes SMDs using low heat. Fast and easy to use. Heat can be applied with a soldering iron, warm air preheater or heat gun. The SMD is easily removed with the tweezers or a pick-up tool. Each kit will remove 8-10 SMDs.



Kit includes:

- Low temperature desoldering alloy
- 1cc syringe of no clean flux
- Alcohol pads
- Full instructions

A new kit, SMD1NL, specifically designed to remove components attached with higher melting point lead-free solders is now available.

617772

Mftrs. List No.	Description	Order Code	Price Per Kit	
			1+	5+
SMD1	Standard	185-0214		
SMD1NL	Lead Free	185-0218		

## Removal Alloys and Fluxes



### Removal Alloys:

Replacement alloy for removing SMDs. The same alloy included with the Chip Quick Removal Kit. Instructions included. Available in standard and lead free versions. Supplied a tube of 30 handy 165mm lengths.

### Clean Flux:

A range of rework fluxes supplied in a handy flux syringe with plunger and nozzle.

617764

Mftrs. List No.	Description	Order Code	Price Per Pack	
			1+	5+
<b>Removal Alloys</b>				
SMD4.5NL	Lead Free Alloy, 4.5ft	212-8169		
SMD16	Std Alloy, 16ft	185-0215		
SMD16NL	Lead Free Alloy, 16ft	185-0219		
<b>No Clean Flux Syringes</b>				
SMD291	Std Flux, 10cc	185-0216		
SMD4300TF	Water Washable, 10cc	185-0221		
SMD291NL	Lead Free, 5cc	185-0220		

## Complete Desolder and Rework Kit



The complete desolder and rework kit is housed in a durable plastic case and contains:



- Chip Quik Removal Alloy SMD 4.5 (4.5 ft. removal alloy w/instructions)
- Solder Paste - no clean 63/37 rework
- Solder paste w/flux (1cc syringe)
- Solder 3 ft. 63/37 2% silver .031 in.
- Chip Quik Paste flux - no clean flux (1cc syringe)
- Liquid flux remover/cleaner - (5 cc applicator)
- Probe kit - 4 stainless steel dental picks for SMD removal & placement.
- Solder wick - no clean - 5 ft.
- Handi Vac - SMD pick & place tool / w/tips
- Acid brush (Pk 2)
- Precision tweezers - for SMD removal & placement.
- Cleaning wipes - tight weave / low lint 4"x4" (Pk 6)
- Swabs - double ended (Pk 10)
- Alcohol pads (Pk 6)
- Chip Quik SMD removal & clean up instructions

617768

Mftrs. List No.	Order Code	1+	5+
SMD2000	185-0227		



### Complete Lead Free Desolder and Rework Kit

CHIP QUIK®

**NEW**



The complete lead free desolder and rework kit is housed in a durable plastic case and contains:

- Lead Free Removal Alloy, 8ft (SMD8NL)
- No Clean Solder Paste Sn96/Ag3/Cu.5, 9g (SMD291SNL)
- Solder Wire 96Sn/3Cu/.5Ag .031" Diameter 15ft. (SMD96)
- Paste Flux, 5cc Syringe (SMD291NL)
- Liquid Flux Remover Cleaner, 1oz.
- No Clean Solder Wick. ESD Safe, 5ft. .055" width
- Handi-Vac Tool for SMD pick & place (with 3 tips)
- Acid Brush (Pk 2)
- Probe Kit, stainless steel non magnetic Dental Picks for SMD removal & placement (Pk 4)
- Precision Tweezers, non-magnetic for SMD removal and placement (Pk 2)
- Cleaning Wipes, tight weave / low lint 4"x4" (Pk 6)
- Double ended swabs (Pk 10)
- Alcohol Pads (Pk 12)
- Chip Quik SMD Rework Instructions

617769

Mfrs. List No.	Order Code	1+	5+
SMD6000	185-0228		

### Circuitworks™ Water Soluble Flux Pen



CircuitWorks® Water Soluble Flux Pen is designed specifically to apply water soluble flux with precision control. The Water Soluble Flux consists of a neutral pH organic water soluble flux compatible with most solder masks. The high activity organic product cleans easily with water, reducing cleaning cost.

- pH neutral
- Completely portable package
- Cleans with water
- Excellent material compatibility
- Good soldering properties
- ORH1 Classification

#### TYPICAL APPLICATIONS

- Printed Circuit Boards
- Chip Carriers
- Heat Sinks
- Surface Mount Device Pads
- Switches
- Sockets

525416

Kg	mme	mm	mm	Mfrs.	Price Each
Weight	Height	Width	Depth	List No.	Order Code
0.04	216	127	17	CW8300	166-3183

### Lead-Free Flux Dispensing Pen



A pen for applying lead-free flux with precision and control.

- Applies a noncorrosive, halide free, no clean flux for high temperature, lead-free application
- Can also be used for tin/lead fluxes
- Flux meets Bellcore TR-NWT-000078 and IPC SF-818 for Surface Insulation Resistance
- Flux meets ANSI / IPC J-STD-004, Type ROL0
- Easily removed with Lead-Free Flux Remover Pen, or Flux-Off® Lead-Free Flux Remover
- Excellent material compatibility
- Fast drying
- RoHS Compliant

417045

Size	Colour	Mfrs. List No.	Order Code	1+	6+	12+
9g	Clear Yellow	CW8400	959-9568			

### Flux dispenser pen FLUXI FL88



- Flux F-SW 34
- EN29454/2.2.3A)
- 15ml plastic sleeve
- For Fine-Pitch and SMD

246601

Mfrs. Part No.	Order Code	1+	5+	10+
FL88 Fluxi 15ml	876-732			



- Lead free alloys
- Syringe of 10 ml

524376

Mfrs. List No.	Order Code	1+	5+	+
F42240	164-3122			

### No clean gel flux, 10cc syringe



- Packaging adapted to repair operations
- Frost flux is packaged in a syringe to have a very accurate deposit on the surface
- Each syringe is delivered with a manual plunger, it can be connected to a dispenser or due to the standard syringe shape

524372

Mfrs. List No.	Order Code	1+	5+	+
F42202	164-3121			

### 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	1+	10+	50+
10cc Syringe	453-547			

### Flux gel FL 22



- NO CLEAN - Flux
- Simple handling
- Comfortable Syringe
- For Fine - Pitch - and SMD applications
- For use with hot air and soldering iron
- Flux type: F-SW 32 (DIN EN 29 454/1.1.3.A)
- Content: 10g/5ml

246605

Mfrs. Part No.	Order Code	1+	5+	10+
FL 22	305-9091			

### FLUXI brush pencil FL33



with NO-CLEAN flux



- Especially for solderings with sensitive components
- Flux is dispensed with brush like tip and precisely put on the soldering joint
- Visual control of level via clear tube
- The brush tip bends and suits to the PCB and the components
- Punctual putting via tip
- Inhalt: 8ml

496177

Mfrs. part no.	order code	1+	5+	10+
FL 33 FLUXI	152-1894			

### X33S071™ Repair Flux Pen



- Flux applicator pen
- Ideal for rework, touching up, repairs and/or delicate assemblies and high density circuits and ceramic substrates
- Improves the filling of metallised holes in bare copper finishes
- Flux is halogen-free and resin-free with low nonvolatile matter
- Minimal residue
- Practical and easy to use in areas where access is difficult
- Controlled flow
- Replaceable head, tips available separately

423787

Description	Mfrs. List No.	Order Code	Price Each		
			1+	10+	50+
X33S071 Pen	10ml	111-5478			
Spare Pack of 10 tips		111-5481			

### Flux Pen

### BONKOTE

#### Refillable



- Refillable pen sized tool for applying liquids
- Sealed cartridge prevents evaporation
- Brush fibre tip for controlled application
- Ideal for applying flux but may be used in many applications

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			
		1+	5+	10+	20+
BON102	500-896				

### Flux cream



- No-Clean Flux F-SW 32, DIN 8511
- Colophony based
- Especially suitable for maintenance in SMD applications

- Order code 874-681 with plunger and dosing needle 0.6mm and 5ml cartridge
- Order code 181-5572 in 200ml can

246597

Mfrs. part no.	Order Code	Price Each		
		1+	5+	10+
FMKANC32-005	874-681			
FMKANC32-200	181-5572			

### Flux Bottle



Halogen free - activated colophony and liquid flux, suitable for electronic soldering applications. DIN EN 29454 1.1.3.A Supplied in 100g.

507086

Description	Order Code	Price Each		
		1+	5+	10+
Flux Bottle	157-2843			

### Flux Bottle (2PCS/pack)



Dispenses flux evenly with a fine tipped needle

525414

Description	Mfrs. List No.	Order Code	Price Each		
			1+	5+	10+
Flux Bottle	MS-035	166-6211			

### 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

417043/436419

Size	Colour	Mfrs. List No.	Order Code	Price Each		
				1+	6+	12+
250ml	Pink	CLF8E	959-9592			

### 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.

621939

Order Code	Price Each		
	1+	5+	
149-803			

### 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

423673

Description	Order Code	Price Each		
		1+	10+	50+
TTC LF	111-5477			

### Lead Free Tip Tinner



#### Tip Brite



- Lead Free
- Excellent re-wetting/ retinning properties
- Prevents oxidation from forming

Lead Free Tip Tinner - continued

Tip Brite - continued

447689

Description	Order Code	Price Each	
		1+	5+
Tip Tinner	127-9335		

Tip Activator



Weller

246513

- Regular use will prolong life time of the tip
- For regeneration of oxidized tips
- Works fast and easily with low temperature
- Environmentally safe, no halides, lead, rosin, or residue

Mfrs. List No.	Order Code	Price Each		
		1+	5+	10+
TIP ACTIVATOR	873-895			

Soldering Tip Cleaner



With the help of the GEK 10 soldering tip cleaner non-active soldering tips can be fast activated. Which will help with time intensive tip changes which can be avoided. After cleaning the soldering tip, add fresh soldering tin and just go on with your work.



656542

- Free of halogens
- For leadfree and unleaded soldering tips
- Easy storage
- "Green product" - activation with natural, renewable raw materials

Mfrs. List No.	Description	Order Code	Price Each		
			1+	5+	10+
GEK 10	Cleaner	210-0014			
<b>Accessories</b>					
GEK10H	Holder	210-0015			

Solder Pot Pellets



- High purity solder pellets
- 63/37 tin-lead eutectic alloy
- Ideal for solder pots or baths



230526

Pack Quantity=1	Order Code	Price Each		
		1+	10+	50+
250g Solder Pot Pellets	454-618			

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 drossing
- Better reliability than tin/lead
- Melting point 228°C



444853

Size	Order Code	Price Each		
		1+	10+	50+
Jar 250g	125-9065			

Solder Pot



- Suitable for leadfree soldering
- 90W solder pot for dipping and tinning components and wires
- Stable design
- Can be screwed to bench for greater security
- Supplied with UK mains plug

Power supply 230 V ac50 Hz  
 Typical operating temperature 385 °C  
 Power 90 Watts  
 Solder capacity 140 g  
 Crucible diameter 39mm

H=126, W=120, D=120, Pot Dia=39

451850

	Order Code	Price Each	
		1+	5+
Solder pot	130-9550		
Spare elements	120-4739		

Di-Li 160 Soldering Bath

DISTELKAMP



The Di-Li soldering bath is a useful gadget to prepare components for the soldering. Ceramic heater. Compatible with lead-free solder. You can use it for tin plating of stranded wire braids, component leads and cable lugs. The temperature is controllable. Steady construction.

627910

Mfrs. Part No.	Description	Order Code	Price Each	
			1+	3+
DI LI 160	mini, EU plug	188-8072		

Solder Bath



ERSA solder baths consist of electrically heated melting pots for tin/lead and similar alloy solder. The high-capacity ceramic heating elements are exchangeable and mounted to the pot. They feature a thermal insulation towards the external sheet metal housing. The solder baths half power operation can be selected. The scope of delivery includes a 1.5 m (4.9 ft) cable. To increase soldering quality and reduce the formation of oxides as well as for energy saving purposes we recommend to use our temperature regulator ERSA ORA 4500 D.

622521

Mfrs. Part No.	Ausführung	Order Code	Price Each	
			1+	3+
OT03	230V, EU plug	186-6255		

Lead-Check Kits

Direct Lead Check Swabs



Easy to use, disposable LeadCheck® Swabs will work on any surface, instantly turning bright pink when lead is present. Each swab is ready to use. There are no hidden steps or lengthy procedures. LeadCheck® are odourless, disposable and non-staining. The entire test procedure is so convenient that it can be performed anywhere in 30 seconds. There's even a test / confirmation card to verify test results. Pack of 8 swabs.

476867

Mfrs. List No.	Order Code	Price Per Pack
		1+
4610	207-1153	



## 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

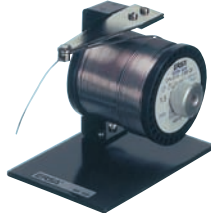
212670

	Order Code	Price Per Reel			
		1+	10+	50+	250+
Dispenser with 60/40 Ersin multicore solder	146-706				
Dispenser with 'Savbit' Ersin multicore solder	146-707▲				

## Dispenser SR 100 and SR 101



**NEW**



- The SR 100 can hold solder reels up to 1000g weight
- Optimal rolling up of the reel
- Flexible solder wire guide is applicable for all common solder wire diameters and enables the rolling up in the required direction

- The assembly set SR 101 enables the synchronous use of a second reel

517603

Mftrs. List No.	Description	Order Code	Price Each	
			1+	5+
SR 100	Dispenser	162-5362		
<b>Assembly Set for a second reel:</b>				
SR 101	Dispenser Attachment	162-5363		

## 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

Mftrs. List No.	Order Code	Price Each
SD1000	419-606	

## Soldering Wire Reel Holder

**NEW**



- 4 rubber feet
- Guiding for soldering wire or desoldering wick for up to 3 reels
- Earthing possibility via 4mm banana plug (not included)
- Material: Metal
- Dimensions: 110x100x120mm

660292

Mftrs. List No.	Order Code	Price Each	
		1+	3+
ZA20	213-1461●		

## 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 VAC 50/60Hz	Timing Repeatability	± 0.001%
Operating Pressure	0 - 100psi (0 - 6.9 bar)	Cycle Initiation	Maintained and momentary
Timer	Programmable from 0.008 to 99.999s	Cycle Rate	600+/min
		Dimensions (HxWxD)	165x152x178mm
		Weight	1.1kg

Description	Pack	Mftrs. List No.	Order Code	Price Per Pack	
				1+	5+
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	903-ECB	207-7848		
System End Cap, 10 cc	50	910-ECB	207-7849		
System End Cap, 30 cc	50	93055-ECB	207-7850		

447558

Material Gauge	Colour	I.D. mm	Length mm	Mftrs. List No.	Order Code	Price Per Pack	
						1+	5+
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	12.7	TE718050PK	795-1671		
14	Olive	1.600	12.7	TE714050PK	795-1680		

## INTELLIGENT ONLINE BUYING SYSTEM PROVIDING



Complete cost control, reduced administration time, visibility of your spend, flexibility and personalised to your company's needs.  
[farnell.com/ibuy](http://farnell.com/ibuy)

# Material Dispensing Systems - continued

## Liquid Dispenser

SEMCO



H=70, W=220, D=240

- Dispenses all fluids from water thin liquids, to thick paste
- Adjustable vacuum control eliminates dripping and run-on
- Accurate repeat shot size saves time, material and rejections
- Supplied with foot controller, dispenser stand, a selection of needles, 10ml syringes and adaptors
- Suitable for dispensing fluxes, adhesives, lubricants, solder pastes and sealants
- Locking universal receiver prevents syringe being blown off under pressure
- Filter regulator cleans moisture and particles that could impair the performance of the dispenser
- Both Euro and UK plugs supplied

Input voltage 230V ac      Air supply max 100 psi  
Internal voltage 24V      Shot time 0.05-5 seconds

212540

Mftrs. List No.	Order Code	1+	+	Price Each
Dispenser SDV9100V/SD340	630-093			

## Dispensing Needles Kit KDS660

**NEW**

KAHNETICS



- Dispensing needles in all sizes (500 pieces) and relating end cap
- In virtually transparent box

242822

Order Code	1+	3+	5+	Price Each
##	397-5680			

## Dispensing Needles Stainless Steel with Luer-Lok™ thread

**NEW**

KAHNETICS



Length: 12,7mm

Mftrs. Part No.	GA	Inner-ø mm	Outer-ø mm	VPE	Cap Colour	Order Code
KDS1412P	14	1.70	2.11	50 St.	Dark Green	397-5540
KDS1512P	15	1.52	1.83	50 St.	Orange	397-5551
KDS1712P	17	1.14	1.52	50 St.	White	397-5575
KDS1812P	18	0.97	1.27	50 St.	Pink	397-5587
KDS1912P	19	0.81	1.07	50 St.	Brown	397-5599
KDS2012P	20	0.66	0.89	50 St.	Yellow	397-5605
KDS2112P	21	0.58	0.89	50 St.	Green	397-5617
KDS2212P	22	0.48	0.71	50 St.	Black	397-5629
KDS2312P	23	0.43	0.64	50 St.	Light Blue	397-5630
KDS2512P	25	0.30	0.51	50 St.	Blue	397-5654
KDS3012P	30	0.15	0.30	50 St.	Lavender	397-5678

242825

Mftrs. Part No.	Order Code	1+	5+	10+	Price Each
KDS1412P	397-5540				
KDS1512P	397-5551				
KDS1712P	397-5575				
KDS1812P	397-5587				
KDS1912P	397-5599				
KDS2012P	397-5605				
KDS2112P	397-5617				
KDS2212P	397-5629				
KDS2312P	397-5630				
KDS2512P	397-5654				
KDS3012P	397-5678				

## Safety Fluid Dispensers



These safety fluid dispensers are ideal for a wide ranges of applications in the electronic industry as well as for chemistry and medical laboratories. The main advantage are:

- dispense clean
- prevent evaporation and contamination
- suitable for most liquids like solvents, degreasers, oils
- prevents fumes, accident and spillage
- easy "one-touch" operation
- ESD safe (Electro Static Discharge)
- No charge generation, no fire or explosion ignition risk
- available also with anti-splash system

422861

Mftrs. List No.	Valve type	Capacity	Order Code	1+	5+	10+	Price Each
TDS12	standard	120ml	136-0341				
TDS12AS	anti-splash	120ml	136-0342				
TDS18	standard	180ml	111-2274				
TDS18AS	anti-splash	180ml	111-2275				

## Syringes



1826433

- General Purpose syringes (1ml)
- Ideal for the application of small liquid quantities

1826434

- General purpose syringe (12ml) with curved nozzle
- Ideal for liquid application in hard to reach areas

610705

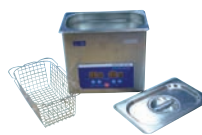
Volume	Mftrs. List No.	Order Code	1+	5+	10+	Price/Set
1 ml	OL1001/3	182-6433				
	Mftrs.					Price Each
12 ml	OL1012/C	182-6434				

## Ultrasonic Cleaners

### Ultrasonic Cleaners, UK Plug



**NEW**



Ultrasonic Cleaning is a unique phenomenon. Millions of tiny bubbles are created when ultrasonic sound is passed through liquid. It is these tiny bubbles combined with a huge pressure that creates incredible cleaning results. Ideal for cleaning otherwise difficult items such as instruments, tools, clock parts, airbrushes, printer heads, motors and burner jets.

Mftrs. List No.	Tank Size	Power Consumption	Length	Width	Height	Weight	Order Code
UT8030	3l	100W	265	x 164	x 100mm	3.7kg	174-8562
UT8060	6l	200W	327	x 176	x 150mm	5.7kg	174-8563

545231

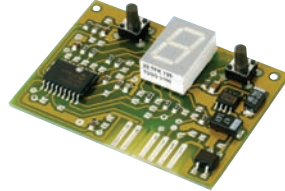
Mfrs. List No.	Order Code	1+	3+
UT8030	174-8562		
UT8060	174-8563		

### Ultrasonic cleaning equipment, Euro Plug with power regulator

EMAG



before cleaning



after cleaning

- 3-stage ultrasonic power regulator
- Simple operation using a rotary switch
- Adjustable heating from 35°C to 80°C
- Excellent cleaning efficiency using pure water
- Three standard sizes 2.0, 3.0 and 4.0 litres
- High efficiency factor
- Includes stainless steel basket and lid
- EMAG ultrasonic cleaners are maintenance free

Features	EMMI-20 HC	EMMI-30 HC	EMMI-40 HC
Length (mm)	260	265	325
Width (mm)	150	165	180
Height (mm)	220	240	240
Contents	2.0l	3.0l	4.0l
Bath approx. LxBxH (mm)	230 x 120 x 80	240 x 135 x 100	300 x 155 x 100
Power supply	230V / 50Hz	230V / 50Hz	230V / 50Hz
Protection class	IP20	IP20	IP20
Power consumption	100W	200W	250W
Ultrasonics max.			
Ultrasonic oscillator	2 (approx. 38kHz)	3 (approx. 38kHz)	4 (approx. 38kHz)

451592

Mfrs. List No.	Order Code	1+	3+	5+
EMMI-20 HC	130-8822			
EMMI-30 HC	130-8823			
EMMI-40 HC	130-8824			

### Chemicals for ultrasonic cleaning equipment 500ml bottles

EMAG

**EM-70** effortlessly removes all types of contamination from prostheses and braces. Also suitable for cleaning articles made from stainless steel, stainless metals, porcelain, glass and synthetic materials in ultrasonic baths. It is also possible to remove residual cement and plaster of Paris.

**EM-80** is suitable for cleaning gold and silverware, spectacles, optical glass, Indian ink, drawing equipment (e.g. Radiographs), dry shaver cutting heads, small tools, ink printing heads, metal filters etc.

**EM-100** de-oxidises and cleans jewellery, artifacts, coins, articles made from stainless steel and its alloys, copper, bronze and brass. Removes oxide and sulphur coatings, fluxes. It is not suitable for gold or silver-plated articles, jewellery which includes pearls, coral, amber or soft precious stones or articles with artificial oxidation.

**EM-200** highly efficient disinfection of instruments and thermally unstable items. Very intensive cleaning, only 2% - 15 min.; good material compatibility; bactericide incl. TBB, fungicide, sporocidic; virus inactivating incl. HBV, HIV, Polio; biodegradable. For disinfecting and cleaning rigid items, endoscopes and all types of surgical equipment. Rinse the items to be cleaned with water before and after first use.

**EM-300** cleans weapon components, bushings, roller bearings, mountings, dentures, as well as stainless steel items, brass and stainless metals. EM-300 removes all types of stubborn contaminants.

**EM-303** removes resin flux from assembled, incorrectly printed and pre-assembled circuit boards/hybrids. Cleans solder frames, un-used solder pastes, greases, finger-prints, oils. EM-303 is particularly suitable for cleaning EMAG ultrasonic equipment. When used correctly, fast and material-friendly cleaning is guaranteed.

**EM-404** removes mineral residues, rust film, greases, polish and combustion residues from metal, light metal (engine blocks, carburetors, etc.), glass and plastics. When used correctly, fast and material-friendly cleaning is guaranteed.

451600

Mfrs. List no.	Order Code	1+	3+	5+
EM-070	417-7393			
EM-080	417-7370			
EM-100	417-7411			
EM-200	417-7400			
EM 300	NEW 130-8825			
EM 303	NEW 130-8826			
EM 404	NEW 130-8827			

## Pick and Place

### Helping Hands Octopus For Soldering and Desoldering

NEW

Pro'sKit



Kit with 4 alligator clamps, small magnet and a magnifier for an efficient work aid. Ideal for soldering, gluing and assembling.

663268

Mfrs. List No.	Order Code	1+	5+	10+
SN-394	213-4959			

## De-Soldering Braid

### Solda-Mop

Servisol



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".

334411

Width	Length	Order Code	1+	10+
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

Servisol



- 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

334458

Width	Length	Order Code	1+	10+
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

Chemtronics



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

## Soder-Wick® Lead Free SD Desoldering Braid - continued

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

416981/436418

Mftrs. List No.	Width (mm)	Length (m)	Pack	Order Code	1+	5+	25+
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Singles							
40-2-5	1.5	1.524	1	959-9479	●		
40-3-5	2.0	1.524	1	959-9487	●		
40-4-5	2.8	1.524	1	959-9495	●		
40-2-10	1.5	3.048	1	959-9509	●		
40-3-10	2.0	3.048	1	959-9517	●		
40-4-10	2.8	3.048	1	959-9525	●		

VacuPak™ of 10 Bobbins							
SW14025	1.524	1.524	10	959-9533	●		
SW14035	2.0	1.524	10	959-9541	●		
SW14045	2.8	1.524	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

212644

Mftrs. List No.	Width (mm)	Length (m)	Order Code	1+	5+	25+
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Solder-Wick No Clean SD (Singles)						
6015	0.9	1.5	559-866	●		
6025	1.5	1.524	559-878	●		
6035	1.9	1.524	559-880	●		
6045	2.8	1.524	559-891	●		
6055	3.9	1.524	559-908	●		
6065	5.3	1.524	967-531	●		
60110	0.9	3.048	860-670	●		
60210	1.5	3.048	860-682	●		
60310	1.9	3.048	860-694	●		
60410	2.8	3.048	860-700	●		
60510	3.9	3.048	860-712	●		

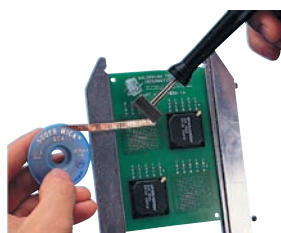
Solder-Wick Rosin SD (Singles)						
8015	0.9	1.5	559-969	●		
8025	1.5	1.5	559-970	●		
8035	1.9	1.5	559-982	●		
8045	2.8	1.5	559-994	●		
8055	3.9	1.5	560-005	●		
8065	5.3	1.5	967-543	●		
80110	0.9	3	860-724	●		
80210	1.5	3	860-736	●		
80310	1.9	3	860-748	●		
80410	2.8	3	860-750	●		
80510	3.9	3	860-761	●		

10 Per Tin						
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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
- Solder-Wick® No Clean BGA Braid flux provides quick and clean desoldering
- Solder-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

212560

Singles		Mftrs. List No.	Order Code	1+	5+	25+
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

212667

Anti-Static		Width (mm)	Length (m)	Mftrs. List No.	Order Code	1+	10+	20+	50+
		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	30	NC-AB30M	609-389				

## Solder Pad Soldasip



- Flux soaked F-SW 32
- Halogen free
- Coils antistatic

246464

Mftrs. Part No.	Length (m)	Width (mm)	Order Code	1+	10+	50+
SW091/0,6	1.5		876-811			
SW091/0,6	1.5		876-823			
SW091/0,6	1.5		876-835			
SW091/0,6	1.5		876-847			
SW091/0,6	15		876-859			
SW091/0,6	30		876-860			
SW091/0,6	30	1.3	876-872			
SW091/0,6	30		876-884			

## SOLDASIP Desoldering Braid, Lead Free

specifically designed for leadfree applications



- with flux
- finest braid
- high quality copper in special leadfree alloy
- no further cleaning of flux residues necessary
- Flux according to **F-SW 32**
- without halogens
- ESD-safe bobbin material

430960

Mftrs List No.	Length		Width	Order Code	Price Each		
	m	mm			1+	5+	10+
SW021/1,5	1.5	1.5	1.5	118-2012			
SW021/2,0	1.5	2	2	118-2013			
SW021/2,5	1.5	2.5	2.5	118-2014			
SW021/3,0	1.5	3.0	3.0	118-2015			
SW021/1,5/30	30	1.5	1.5	118-2016			
SW021/2,0/30	30	2	2	118-2017			
SW021/2,5/15	15	2.5	2.5	118-2019			
SW021/3,0/15	15	3	3	118-2021			

## Desoldering Braid

ESD free

AREXX



- 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	Mftrs. List No.	Order Code	Price Each		
			1+	10+	40+
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

Order Code	Price Per Pack			
	1+	5+	10+	20+
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

Order Code	Price Each		
	1+	5+	10+
419-539			

### Solder Bar, Lead Free

**NEW**



- 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		
				1+	5+	10+
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		
				1+	5+	10+
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

338624

Weight	Wire Diameter	Order Code	Price Per Reel	
			1+	10+
<b>250g Reels</b>	0.5mm	507-1057		
	0.7mm	507-1069		
	0.9mm	507-1070		
	1.2mm	507-1082		
<b>500g Reels</b>	0.7mm	507-1100		
	0.9mm	507-1112		
	1.2mm	507-1124		

### Solder Wire HS10, 2510

**NEW**



- Classical solder wire mit activated rosin flux
- non-corrosive of non-ferrous metals
- quickly fluid
- S-Sn60Pb40 Tin Lead alloy conform to **EN 29453**
- With 2.5% Flux content conform to DIN **EN 29454-1 1.1.2, F-SW 26**

242744

Weight (g)	Wire Ø (mm)	Order Code	Price per Reel		
			1+	5+	10+
250	0.5	817-480			
500	0.5	817-478			
250	0.7	817-510			
500	0.7	817-508			
1	0.7	817-491			
250	1.0	817-545			
500	1.0	817-533			
1	1.0	817-521			
250	1.2	<b>NEW</b> 420-3884			
500	1.2	<b>NEW</b> 420-3902			
500	1.5	817-570			
1	1.5	817-569			

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

## Solder Wire HF32, 3500

**NEW**



- With halogen free activated colohonium flux
- The flux residues are clear, dry, solid and are non-corrosive
- S-Sn60Pb40 tin lead alloy conform to **DIN EN 29453**
- With 3.5% flux content conform to **DIN EN 29454-1 1.1.3, F-SW 32**

242758

Weight (g)	Wire Ø (mm)	Order Code	Preis per Reel		
			1+	5+	10+
250	0.7	817-594▲			
250	1.0	817-612▲			
1	1.0	817-600▲			

## 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	m	Order Code	Price Per Reel			
			1+	5+	10+	20+
<b>250g Reels</b>						
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▲				
<b>500g Reels</b>						
1.63	34	419-310▲				
		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▲				
<b>2.5Kg Reels</b>						
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

212671

mm	(m)	List No.	Order Code	Price Per Reel			
				1+	5+	10+	20+
<b>500g Reels</b>							
2.03	20	D4014	419-412▲				
1.63	32	D4016	419-424▲				

## FREE GLOBAL LEGISLATION SUPPORT



RoHS, REACH, WEEE, ErP, Batteries Directive - latest updates, free white papers and live online Q&A at [element14.com/legislation](http://element14.com/legislation)

## "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

212672

Dia. mm	Length (m)	Mfrs. List No.	Order Code	Price Per Reel				
				1+	5+	10+	20+	40+
<b>2.3m Coil</b>								
1.22	2.3	NO.5	419-448▲					
<b>500g Reels</b>								
1.22	57	DS18	419-450▲					
0.71	170	DS22	419-461▲					

mm	(m)	List No.	Order Code	Price Per Reel				
				1+	5+	10+	20+	40+
1.22	2.3	NO.5	419-448▲					
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 Flux Type	60/40 (60% Tin, 40% Lead) Type 309, Rosin Based	Melting Temperature Tip Temperature (Approx.)	180°C 308°C
339050			

Weight	Wire Diameter	Order Code	Price Per Reel	
			1+	10+
<b>250g Reels</b>				
	0.5mm	509-0519▲		
	0.7mm	509-0520▲		
	0.9mm	509-0532▲		
	1.2mm	509-0544▲		
<b>500g Reels</b>				
	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 Flux Type	60/40 (60% Tin, 40% Lead) Type 309, Rosin Based	Melting Temperature Tip Temperature (Approx.)	180°C 308°C
339060.344680			

Weight	Wire Diameter	Order Code	Price Per Reel	
			1+	10+
<b>250g Reels</b>				
	0.5mm	509-0787▲		
	0.7mm	509-0799▲		
	0.9mm	509-0805▲		
	1.2mm	509-0817▲		
<b>500g Reels</b>				
	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

212490

Mftrs.				Price Per Reel			
List No.	Order Code	1+	5+	10+	20+	40+	100+
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

338627

Weight	Wire Diameter	Order Code	Price Per Reel	
			1+	10+
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, 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

338629

Weight	Wire Diameter	Order Code	Price Per Reel	
			1+	10+
250g Reels	0.5mm	507-1215▲		
	0.7mm	507-1227▲		
	0.9mm	507-1239▲		
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 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 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 do 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 do 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	1+	5+	10+	20+
0.71mm	609-961▲				
<b>500g Reels</b>					
0.91mm	609-973▲				
0.71mm	609-985▲				
<b>60/40 Alloy, 505 No-Clean Flux</b>					
<b>500g Reels</b>					
0.91mm	329-4160▲				
0.71mm	329-4158▲				
<b>60/40 Alloy, 511 No-Clean Flux</b>					
<b>250g Reels</b>					
0.91mm	609-997▲				
0.71mm	610-008▲				
<b>500g Reels</b>					
0.91mm	610-010▲				
0.71mm	610-021▲				

### 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

621938

Dia. mm	Length (m)	Order Code	Price Per Reel			
			1+	5+	10+	20+
<b>X39, 250g Reels</b>						
1.22mm	61	289-851▲				
0.71mm	89	289-840▲				
<b>X39, 500g Reels</b>						
1.22mm	61	289-851▲				
0.71mm	178	289-863▲				

### 60/40 Alloy, X52 No-Clean Flux



- 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. mm	Order Code	Price Per Reel			
		1+	5+	10+	20+
<b>250g Reels</b>					
1.22mm	904-533▲				
0.71mm	904-545▲				
<b>500g Reels</b>					
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		
			1+	10+	50+
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 mm	Mfrs. (m)	List No.	Order Code	Price Per Reel				
				1+	5+	10+	20+	40+
<b>Low Temperature 179°C</b>								
<b>250g Reels</b>								
0.71mm	93	DLMP222	419-540▲					
0.56mm	150	DLMP242	419-552▲					
0.46mm	224	DLMP262	419-564▲					
<b>500g Reels</b>								
1.22mm	63	DLMP	419-576▲					
0.71mm	165	DLMP225	419-588▲					
<b>High Temperature 301°C</b>								
<b>500g Reels</b>								
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.

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



## TROUBLESHOOTING TIPS

Chat online to one of our technical engineers at [farnell.com](http://farnell.com)

## 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: Type 309, Rosin Based  
 Melting Temperature: 217°C  
 Tip Temperature (Approx.): 340°C - 420°C

443403

Wire Diameter	Order Code	Price Per Reel	
		1+	10+
0.5mm	125-7142●		
0.7mm	125-7143●		
1.0mm	125-7144●		
1.2mm	125-7145●		
1.6mm	125-7148●		

## 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	
			1+	10+
<b>250g Reels</b>				
	0.5mm	507-1290●		
	0.7mm	507-1306●		
	0.9mm	507-1318●		
	1.2mm	507-1320●		
<b>500g Reels</b>				
	0.7mm	507-1343●		
	0.9mm	507-1355●		
	1.2mm	507-1367●		

## 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

Dia.	Length (m)	Order Code	Price Per Reel				
			1+	5+	10+	20+	40+
<b>250g Reels</b>							
1.22mm	35	289-875●					
0.71mm	102	289-887●					
<b>500g Reels</b>							
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 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	
			1+	10+
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

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	
			1+	10+
250g Reels	0.5mm	507-1379		
	0.7mm	507-1380		
	0.9mm	507-1392		
	1.2mm	507-1409		
500g Reels	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 do 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	
			1+	10+
250g Reels	0.5mm	509-0945		
	0.9mm	509-0969		
	1.2mm	509-1019		
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  
Flux Type Type 505, Rosin Based  
Melting Temperature 227°C  
Tip Temperature (Approx.) 350°C - 370°C

339059

Weight	Wire Diameter	Order Code	Price Per Reel	
			1+	10+
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, High Activity Rosin Flux



Alloy Lead Free, 99.3% Tin, 0.7% Copper Alloy  
Flux Type Type 511, Rosin based  
Melting Temperature 227°C  
Tip Temperature (Approx.) 350°C - 370°C

- 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

339057

Weight	Wire Diameter	Order Code	Price Per Reel	
			1+	10+
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, 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	
			1+	5+
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, 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  
Tip Temperature (Approx.) 350°C

416047

Weight	Wire Diameter	Order Code	Price Per Reel	
			1+	5+
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		

# Solder Wire - Lead Free - continued

## 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

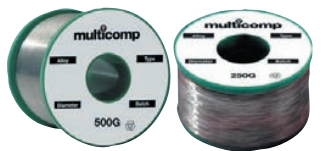
Alloy Sn97.1Ag2.6Cu0.3 Melting Temperature 217°C - 224°C  
Flux Type Mildly activated, no-clean Tip Temperature (Approx.) 350°C - 370°C

416065

Weight	Wire Diameter	Order Code	Price Per Reel	
			1+	5+
<b>250g Reels</b>	0.5mm	101-5459		
	0.7mm	101-5460		
	1mm	101-5462		
	1.2mm	101-5463		
<b>500g Reels</b>	0.7mm	101-5464		
	1mm	101-5465		
	1.2mm	101-5466		

## 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 Melting Temperature 217°C - 224°C  
Flux Type Halide-activated rosin-based flux Tip Temperature (Approx.) 350°C - 370°C

416070

Weight	Wire Diameter	Order Code	Price Per Reel	
			1+	5+
<b>250g Reels</b>	0.5mm	101-5467		
	0.7mm	101-5468		
	1mm	101-5469		
	1.2mm	101-5470		
<b>500g Reels</b>	0.7mm	101-5471		
	1mm	101-5472		
	1.2mm	101-5474		

## 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		
			1+	5+	10+
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		
			1+	10+	50+
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		
			1+	10+	50+
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		
			1+	10+	50+
0.5mm	250g	111-5461			
0.7mm	500g	111-5462			
1mm	500g	111-5463			

### FREE GLOBAL LEGISLATION SUPPORT



RoHS, REACH, WEEE, ErP, Batteries Directive - latest updates, free white papers and live online Q&A at [element14.com/legislation](http://element14.com/legislation)

## 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 ∅	Reel of	Order Code	Price Per Reel		
			1+	10+	50+
0.23mm	250g	111-5464 ●			

## 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

621971

Wire Dia.	Weight	Order Code	Price Per Reel		
			1+	10+	50+
0.7mm	250g	454-590 ●			
1mm	250g	454-412 ●			

## FLOWTIN TC KS100 lead-free solder wire



- **Sn99Cu1 + microalloys:** small doses (max. 0.07%) of other elements (Co, Ni, Fe, Ce) are added to the conventional lead-free alloy.
- This has considerable advantages: smoother and/or glossier solder joints and increased service life of the soldering tips (+ approx. 50%)
- KS100: rosin-free, halide-free activated flux material
- Bright, solid residues + less steam and splashing on account of synthetic resins
- Eutectic alloy (defined melting point: 227°C)

- Rapid wetting of solder surfaces
- The flux material conforms to **DIN EN 29454-1 Type 1.2.3.B**, according to **DIN EN 61190-1-1 RELO**

451206

Wire ∅ (mm)	Weight (g)	Order Code	Price Per Reel		
			1+	5+	10+
0.3	250	130-7154 ●			
0.5	250	130-7155 ●			
0.7	250	130-7156 ●			
1.0	250	130-7157 ●			
0.5	500	130-7158 ●			
0.7	500	130-7159 ●			
1.0	500	130-7160 ●			
1.2	500	130-7161 ●			



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