



# Soldering

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## Solder & Fluxes

**Rapid**

### 60/40 Tin/Lead Flux-Cored Solder Wire



A high grade solder wire containing 60% tin and 40% lead, available in a choice of diameters and reel sizes.

Rapid 60/40 Tin/Lead Solder Wire provides excellent solder joint reliability, superior joint strength and excellent thermal and mechanical fatigue resistance. It has a rosin-activated flux which requires little cleaning after making the solder joint. It is ideal for use in applications requiring good activation.

- High grade 60/40 tin/lead alloy solder wire
- Melting temperature 190°C
- Recommended minimum bit temperature 300°C
- Rosin activated flux manufactured to **JISZ3283**

*Please note: This product contains lead and rosin. As of 1st March 2018 the supply of solder containing lead at a concentration above the relevant limit as set out under Article 67 (by virtue of Annex XVII of the REACH regulation) is restricted to professional use only.*

Type	Order code	1+	5+	10+
100g 22SWG solder	<b>85-0592</b>	4.90	4.68	4.36
500g 22SWG solder	<b>85-0595</b>	21.28	20.09	18.88
500g 18SWG solder	<b>85-0610</b>	21.28	20.09	18.88
2kg 18SWG solder	<b>85-0615</b>	59.14	56.60	

030236

**Rapid**

### Lead-free Solder Wire



Rapid high purity lead-free tin / copper solder is a cost-effective and versatile alternative to conventional lead solder and is suitable for all but the most demanding general purpose applications.

- Tin alloy with 0.7% copper
- Flux cored
- Melting point 227°C
- Available in 18SWG and 22SWG
- Supplied on **100g or 500g reels**
- Also available in 1.0mm diameter in a **handy 12g tube**

Type	Order code	1+	5+	10+
19SWG 12g tube	<b>85-1165</b>	2.82		
18SWG 100g reel	<b>85-1162</b>	5.46	4.89	4.34
18SWG 500g reel	<b>85-1164</b>	26.49	25.28	22.62
22SWG 100g reel	<b>85-1166</b>	5.51	5.06	4.83
22SWG 500g reel	<b>85-1168</b>	26.61	25.52	24.43

072696

**Rapid**

### Premium Lead Free Solder with Silver and Copper

Lead-free solder wire with a Rosin activated-flux core. It offers excellent joint reliability and superior joint strength along with excellent thermal and mechanical fatigue resistance.

The solder wire is ideal for applications requiring good activation and is suitable for no-clean processes.

- Sn95.5Ag3.9Cu0.6 alloy
- 217°C melting point
- Excellent solder joint reliability
- Superior joint strength
- Excellent thermal and mechanical fatigue resistance
- Suitable for no-clean process



Type	Order code	1+	5+	10+
20SWG 12g	<b>85-6610</b>	3.19	2.97	2.75
22SWG 100g	<b>85-6612</b>	16.39	16.16	15.82
22SWG 500g	<b>85-6614</b>	72.20	68.87	66.65
18SWG 12g	<b>85-6616</b>	3.55	3.30	
18SWG 500g	<b>85-6618</b>	73.26	69.87	67.63

066160



### Omega 63/37 Rosin-Free Solder Wire

Warton Metals Omega 63/27 rosin-free cored solder wire is made from a flux 'core' contained in high purity cored solder wire. Omega solder contains no rosin (colophony), resin acids, pine oil or other naturally occurring derivatives from pine trees and has been specially designed to reduce the number of world-wide cases of industrial asthma, related to rosin usage within a cored solder wire.

Omega provides excellent wetting whilst leaving a minimal clear post-soldering residue and is available with 1% or 2% flux.

- Solder content: 63% tin, 37% lead
- Rosin-free
- Formulated without the use of halides
- Melting point 183 to 185°C
- Supplied on **500g reels**, except **85-6168** which is supplied on a **250g reel**

- **Fast flow:**
  - 2% flux content
  - Available in 18, 20, 22 & 24swg
- **Low residue:**
  - 1% flux content
  - Available in 18, 20, 22 & 26swg

*Please note: As of 1st March 2018 the supply of solder containing lead at a concentration above the relevant limit as set out under Article 67 (by virtue of Annex XVII) is restricted to professional use only.*

Size	Reel weight	Order code	1+	5+	10+
<b>Fast flow 63/27 2%</b>					
18SWG 500g		<b>85-6150</b>	23.91	21.76	20.62
20SWG 500g		<b>85-6152</b>	26.49	24.49	23.49
22SWG 500g		<b>85-6154</b>	25.21	24.05	22.91
24SWG 500g		<b>85-6156</b>	28.46	27.26	26.06
<b>Low residue 63/37 1%</b>					
18SWG 500g		<b>85-6160</b>	20.25	19.07	17.86
20SWG 500g		<b>85-6162</b>	21.45	19.69	18.52
22SWG 500g		<b>85-6164</b>	24.50	23.28	22.07
26SWG 250g		<b>85-6168</b>	19.44		

028123



### Omega II Fast Flow 2% Lead Free and Rosin Free Solder Wire

Warton Metals Omega II Fast Flow 2% Lead Free and Rosin Free Solder Wire has been specifically developed for applications demanding a lead-free and rosin-free flux cored solder.



- High purity cored solder with a 2% flux core
- Contains no rosin (colophony), resin acids, pine oil or other naturally occurring derivatives from pine trees
- Specially designed to reduce the number of world-wide cases of industrial asthma, related to rosin usage in soldering processes
- Provides excellent wetting whilst leaving a minimal clear post-soldering residue
- Available in **18 and 22 swg**
- Supplied on **500g reels**
- **Warton Metals type SAC3**

Type	Order code	1+	5+
18 swg	<b>85-6194</b>	47.72	45.34
22 swg	<b>85-6196</b>	54.31	51.60

062635



### Hydro Flux 63/37 OA 2% Rosin-free, Water Wash, Cored Solder



Warton Metals Hydro Flux 63/37 OA 2% Rosin-free, Water Wash, Cored Solder is a high-purity solder containing a colophony (rosin) free flux, ideal for hand-soldering applications where components can withstand water washing.

- Majority of the flux sublimates at soldering temperatures, leaving minimal residue on the assembly, which should be removed as soon as practical
- Solder content: 63% tin, 37% lead
- Melting range: 183°C to 185°C
- Wire gauge: 22swg
- Available on **250g and 500g reels**

*Please note: As of 1st March 2018 the supply of solder containing lead at a concentration above the relevant limit as set out under Article 67 (by virtue of Annex XVII) is restricted to professional use only.*

Type	Order code	1+	5+	10+
22SWG 250g solder	<b>85-6264</b>	12.99	12.49	11.99
22SWG 500g solder	<b>85-6266</b>	22.10	21.56	20.49

060027

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## Soldering Irons

**ANTEX**

### CS 18W Low Voltage Soldering Irons



Low voltage Antex CS 18W soldering irons for use with low voltage power supplies or mains transformers.

- An inner ceramic shaft provides near perfect insulation and virtually no leakage (less than 2mA)
- An outer shaft of stainless steel provides strength
- Bits are secured on the element by a sliding ring which, when moved towards the tip, allows the bit to slip on or off
- All irons are available with the option of a heat-proof silicone cable ideally suited to educational environments
- Available with or without fitted low voltage plug
- Suitable plugs (cable mounting sockets), order code **23-1205** or **23-1210**, are available separately if required
- Supplied complete with 2.3mm bit, 1.5m of cable and full instructions
- See Technical Specification for available options
- Slide-on hanging hooks for the irons are available separately

#### Antex type CS18W

##### Technical specification

Order code	Model	Voltage	Cable	Plug
<b>85-0570</b>	CS18W	12V	PVC	None
<b>85-0561</b>	CS18W	24V	PVC	Low voltage
<b>85-0572</b>	CS18W	12V	Silicone	None
<b>85-0562</b>	CS18W	24V	Silicone	None
<b>85-0563</b>	CS18W	24V	Silicone	Low voltage

##### Price each

Type	Order code	1+	5+	10+
<b>Irons with PVC cable</b>				
12V CS 18W iron	<b>85-0570</b>	21.95	21.42	
12V CS 18W element	<b>85-0575</b>	8.11	7.82	
24V CS 18W iron + plug	<b>85-0561</b>	23.56	23.02	22.49
24V CS 18W element	<b>85-0565</b>	8.22	7.86	7.12
<b>Irons with silicone cable</b>				
12V CS 18W iron	<b>85-0572</b>	19.28		
24V CS 18W iron	<b>85-0562</b>	25.16	24.09	
24V CS 18W iron + plug	<b>85-0563</b>	25.16	24.09	23.02

##### MOQ 5

Type	Order code	5+
CS18W hanging hook	<b>85-1137</b>	0.458

**ANTEX**

### XS25 Low Voltage 25W Soldering Irons



Low voltage Antex XS 25W soldering irons for use with low voltage power supplies or mains transformers.

- An inner ceramic shaft provides near perfect insulation and virtually no leakage (less than 2mA)
- An outer shaft of stainless steel provides strength
- Bits are held on the element shaft by an internal spring clip and simply slide on or off for changing
- Available with the option of a heat-proof silicone cable ideally suited to educational environments
- Supplied complete with 3mm bit, 1.5m of cable and full instructions
- Slide-on hanging hooks for the irons are available separately

##### Technical specification

Order code	Model	Voltage	Cable	Plug type
<b>85-1150</b>	XS25W	24V	PVC	None
<b>85-1151</b>	XS25W	24V	PVC	Low voltage
<b>85-1153</b>	XS25W	24V	Silicone	Low voltage

##### Price each

Type	Cable material	Order code	1+	5+	10+
Iron + plug	Silicone	<b>85-1153</b>	27.30	26.77	26.23
24V XS 25W element	-	<b>85-1154</b>	7.51	7.09	6.56

##### MOQ 5

Type	Cable material	Order code	5+
XS hanging hook	-	<b>85-1147</b>	0.458

**ANTEX**

### Plug-In Power Supply for 24V Irons

This **24V plug-in power supply** from **Antex** plugs directly into a standard mains socket freeing up valuable bench space. Furthermore, trailing leads from plug to transformer are eradicated. The output socket is the industry standard Bulgin PX0429 which is fitted to the front of the unit. Suitable for use with 24V versions of ANTEX C, M, CS, or XS Irons.

- 24V output voltage
- 25W output power
- 3-pin bulgin socket output connector
- Internally fused for additional user safety
- Dimensions: 100 x 70 x 68mm

Cable mounting sockets suitable for attaching to soldering iron leads are available as an optional extra, order code 23-1205

Type	Order code	1+	5+	10+
24V power supply	<b>85-0915</b>	40.41	37.91	37.02



**ANTEX**

### Low Voltage CS18, 18W Soldering Iron, ST4 Stand and Power Supply Set



A cost-saving soldering set consisting of a low voltage Antex CS18 soldering iron with silicone cable, plug-in 24V power supply and ST4 soldering iron stand.

- Offers a worthwhile saving compared to buying the parts separately
- Operating temperature 390°C
- Wide range of suitable soldering tips
- PSU plugs into a standard mains socket, freeing up valuable bench space and is internally fused for user safety
- Dimensions of PSU: 100 x 70 x 68mm
- A slide-on hanging hook for the iron is available separately

##### Set consists of:

Antex CS18, 24V soldering iron with silicone cable	<b>85-0563</b>
Antex UP82060, 24V plug-in power supply	<b>85-0915</b>
Antex ST4 soldering iron stand	<b>85-0585</b>

##### Price each

Type	Order code	1+	5+	10+
Iron and PSU set	<b>85-0912</b>	42.95	42.10	41.76

##### MOQ 5

Type	Order code	5+
CS18W hanging hook	<b>85-1137</b>	0.458

**ANTEX**

### XS 25W Mains Powered Soldering Irons



A range of mains powered 25W soldering irons from Antex.

Highly respected by both industrial users and hobbyists alike, Antex soldering irons have become one of today's classic soldering tools. It is a tribute to the simple, yet highly effective basic design of the XS25W miniature electric soldering iron that it has changed little over the years.

- Inner ceramic shaft provides near-perfect insulation with virtually no leakage (3 to 5µA)
- Outer stainless steel shaft for strength
- Bits are held on the element shaft by an internal spring clip and simply slide on or off for changing
- Supplied complete with 2.3mm bit and mains cable
- Optional heat-proof silicone cable ideal for the educational environment
- Optional fitted UK 13A mains plug
- See Technical Specification for available options
- Slide-on hanging hooks for the irons are available separately

#### Antex type XS25W

##### Technical specification

Order code	Model	Voltage	Type	Cable	Plug
<b>85-0525</b>	XS25W	230V	Standard	PVC	None
<b>85-1141</b>	XS25W	110V	Standard	PVC	None
<b>85-1140</b>	XS25W	230V	Standard	PVC	UK 13A
<b>85-0527</b>	XS25W	230V	Standard	Silicone	None
<b>85-1145</b>	XS25W	230V	Standard	Silicone	UK 13A

##### Price each

Type	Order code	1+	5+	10+
XS25W 230V	<b>85-0525</b>	20.35	19.28	
XS25W 110V	<b>85-1141</b>	21.95	21.42	
XS25W + plug	<b>85-1140</b>	19.49	17.49	
XS25W + silicone cable	<b>85-0527</b>	23.56	22.49	21.42
XS25W + silicone cable + plug	<b>85-1145</b>	19.99		
XS25W element	<b>85-0530</b>	7.72	7.30	7.15

##### MOQ 5

Type	Order code	5+
XS25W hanging hook	<b>85-1147</b>	0.458



### LED Magnifying Lamp with Helping Hands

Only

**£12.69**

Order code 85-5926

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## ANTEX

### CS and CSL 18W Mains Powered Soldering Irons



A range of mains powered, 18W precision miniature soldering irons from Antex.

Highly respected by both industrial users and hobbyists alike, Antex soldering irons have become one of today's classic soldering tools. It is a tribute to the simple, yet highly effective basic design of the CS18W miniature electric soldering iron that it has changed little over the years.

- Inner ceramic shaft of the miniature soldering iron provides near-perfect insulation with virtually no leakage (3 to 5µA)
- Outer stainless steel shaft for strength
- Soldering bits are held on the element shaft by an internal spring clip and simply slide on or off for changing
- Supplied complete with 2.3mm bit and mains cable
- Optional heat-proof silicone cable ideal for the educational environment
- Optional fitted UK 13A or European mains plug
- Long life models also available
- See Technical Specification for available options
- Slide-on hanging hooks for the irons are available separately
- **Antex types CS18W & CSL18W**

#### Technical specification

Order code	Model	Voltage	Type	Cable	Plug
<b>85-0500</b>	CS18W	230V	Standard	PVC	None
<b>85-1130</b>	CS18W	230V	Standard	PVC	UK 13A
<b>85-1132</b>	CS18W	230V	Standard	PVC	Euro
<b>85-1208</b>	CSL18W	230V	Long life	PVC	UK 13A
<b>85-0502</b>	CS18W	230V	Standard	Silicone	None
<b>85-1135</b>	CS18W	230V	Standard	Silicone	UK 13A

#### Price each

Type	Order code	1+	5+	10+
CS18W	<b>85-0500</b>	20.35	19.28	18.42
CS18W + plug	<b>85-1130</b>	19.49	17.49	
CS18W + Euro plug	<b>85-1132</b>	19.56	18.53	17.71
CSL18W + PVC cable	<b>85-1208</b>	20.35	19.28	18.42
CS18W + silicone cable	<b>85-0502</b>	23.56	22.49	21.42
CS18W + silicone cable + plug	<b>85-1135</b>	19.79		
CS18W element	<b>85-0505</b>	7.49	6.95	

#### MOQ 5

Type	Order code	5+
CS18W hanging hook	<b>85-1137</b>	0.458

#### Technical specification

Input voltage	230V AC
Power consumption	25W
Max. temperature	430 °C
Bit supplied	1.6mm chisel

Type	Order code	1+	5+	10+
25W iron with 13A plug	<b>85-0640</b>	15.87	14.92	13.13
Spare 25W 230V element	<b>85-0642</b>	3.98		
Barrel & barrel nut assembly	<b>85-0666</b>	1.86	1.51	1.23

178125



### 25W Soldering Iron



Independently certified by the VDE institute of Germany and GS approved, the C.K. heavy duty soldering irons are fully suited for professional use. The tips are long life design and suitable for use with lead free solder.

Type	Order code	1+
Tip set	<b>93-0222</b>	6.02

501075

## ANTEX

### 30W Soldering Iron and element/tip



Mains powered 30W soldering iron for larger soldering jobs, such as connections to metal chassis, large terminals, earthing tags, and other applications requiring high power and a high thermal capacity.

- Supplied complete with straight soldering tip and fitted UK 13A plug
- Spare tips are available to keep your iron in perfect working order
- Antex HP range

Type	Order code	1+	5+	10+
Soldering iron	<b>85-5430</b>	9.50	8.88	8.09
Straight tip	<b>85-5446</b>	2.97		
Angled tip	<b>85-5448</b>	2.75		

518902

## ANTEX

### Model C, 230V, 15W Soldering Irons



The Antex Model C miniature soldering iron has a 15W heating element and is ideal for small soldering applications where too much heat could cause damage to components. It is also available with a heat-proof silicone cable, ideal for use in education.

- PVC or silicone mains lead options
- 230V mains power
- 15W heating element
- Length including cable protector and soldering bit approx. 200mm
- Body diameter max. 17mm
- Supplied complete with soldering bit, stand and fitted UK 13A plug
- Wide range of alternative soldering bits available, please see order code **85-5548**
- **Antex Model C**

Type	Order code	1+	5+	10+
PVC cable	<b>85-5544</b>	20.35	19.28	18.42
Silicone cable	<b>85-5546</b>	23.71	23.13	21.39

518341

## Weller

### SPN Series Soldering Irons with LED Illumination



A range of cost-effective, mains powered soldering irons ideal for occasional domestic and hobbyist applications. The irons benefit from the latest LED technology that illuminates the work area while soldering.

The front housing is ergonomically designed, encouraging the hand to naturally gravitate to the triangular area. This provides a more stable and effective grip, enhanced by the soft grip, non-slip handle design that helps relax the hand during extended use.

- LED illumination
- Ergonomic handle design
- Impact resistant housing
- Heat resistant LEDs
- High performance stainless steel heating element
- 1.6m mains cable
- Supplied complete with stand and user manual
- Range of power ratings for a variety of tasks
- 25W, 40W and 80W irons are also available in a kit including a soldering aid tool, alternative soldering tips and a supply of lead-free solder
- See Technical Details for further information

#### Technical specification

Order code	Wattage	Temperature	Iron tip	Additional tips included
<b>85-0781</b>	15W	400°C/750°F	S5, 2mm	-
<b>85-0783</b>	25W	400°C/750°F	MT1, 0.8mm	-
<b>85-0785</b>	25W	400°C/750°F	MT1, 0.8mm	MT2, 4mm
<b>85-0787</b>	40W	482°C/900°F	MT10, 6.3mm	-
<b>85-0789</b>	40W	482°C/900°F	MT10, 6.3mm	TST3, 2.4mm & ST7, 0.8mm
<b>85-0791</b>	80W	482°C/900°F	MTG20, 10mm	-
<b>85-0793</b>	80W	482°C/900°F	SG10, 7mm	-

Type	Order code	1+
15W	<b>85-0781</b>	15.67
25W	<b>85-0783</b>	15.78
25W kit	<b>85-0785</b>	19.44
40W	<b>85-0787</b>	22.18
40W kit	<b>85-0789</b>	23.45
80W	<b>85-0791</b>	21.22
80W kit	<b>85-0793</b>	42.66
Spare tip for 85-0793	<b>85-5759</b>	11.49

541709



### Thermally Balanced 25W Soldering Iron



A professional quality, thermally-balanced 25W, 230V mains soldering iron, ideally suited to the demands of both industry and education environments.

- Precision wound Nichrome element
- Rapid heat-up time (approx. 90 seconds)
- Instant heat recovery after soldering
- Ventilated neoprene finger grip ensures operator comfort, even under the most demanding production conditions
- Fitted with 1.8 metres of heat-resistant silicone mains cable, terminated in a high quality moulded UK 13A plug fused at 3A
- Supplied with 1.6mm iron-plated bit
- Bit changes are accomplished by simply unscrewing the barrel cover
- **Xytronic type 200GX-25W**

Other long-life, iron-plated bits are available, please see order codes **85-0967** to **85-0978**. A suitable heavy-duty stand, **85-5899**, is also available, please see separate entry.



**We bring STEM to life**



### Helping Hands Assembly Aid & Magnifier

From only

**£4.38**

Order code 85-5930

See page 192



## Soldering Stations

**Weller®**

### WS 81 Temperature Controlled Soldering Station



An 80W, temperature controlled soldering station consisting of a PU 81 power unit, WSP 80 soldering pencil and a WPH 80 iron stand.

- Offered at an advantageous price compared to buying the three items separately
- Temperature control between 150°C to 450°C via a rotary control
- For further details and specification of the WSP 80 soldering iron please see order code **85-5325**

Type	Order code	1+
WS 81 soldering station	<b>85-5287</b>	244.41

032786



### AV-AN48W Analogue Soldering Station 48W



The Anvil AV-AN48W is an ESD safe analogue soldering station with a power rating of 48W. It is ideal for PCB level assembly and repair applications.

The temperature sensor is built into the heating element giving instant control of temperature stability.

- Analogue rotary temperature setting
- Temperature sensor incorporated in heating element
- Slim iron handle with heat resistant silicon cable
- Station includes power supply, soldering iron and iron stand with tip cleaning sponge
- Replacement soldering irons and heating elements are available separately
- **Anvil type AV-AN48W**

Type	Order code	1+
Replacement 48W iron	<b>85-5981</b>	12.13
Spare 48W element	<b>85-5982</b>	6.05

561094

## Free Delivery\*

on all orders over £30 (excl. VAT)  
(UK mainland only)

\* See Terms & Conditions for full details - [www.rapidonline.com/terms](http://www.rapidonline.com/terms)



### LF-1600 80W Soldering Station



The LF-1600 soldering station has a digital temperature indicator, detachable 80W soldering iron and a Set-and-Forget temperature control to select a temperature between 200 and 480°C (392 to 896°F).

- ESD safe
- Microprocessor controlled circuitry
- Temperature adjustment lockout prevents unauthorised change
- Low voltage soldering iron output for safety
- Spike-free circuitry for safe soldering of sensitive devices
- Detachable AC power lead with UK 13A plug
- Earth jack for connection of antistatic wrist strap
- Soldering iron stand with brass tip cleaner
- See order codes **85-0981** to **85-0986** for a range of suitable tips
- **Xytronic types LF-1600 (Station) 108ESD (Iron)**

Type	Order code	1+	5+	10+
LF-1600 station	<b>85-6700</b>	98.28	94.60	
Spare 108ESD iron	<b>85-6702</b>	32.03		
Barrel for 108ESD	<b>85-6704</b>	1.37		
Barrel nut for 108ESD	<b>85-6706</b>	1.37		
Element for 108ESD	<b>85-6708</b>	6.70		
Heater holder assy	<b>85-0996</b>	3.31	2.66	2.56

083273



### LF-389D 60W Digital Display ESD Safe Soldering Station



The Xytronic LF-389D 60W Digital ESD Safe Soldering Station has a digital temperature readout and a soldering temperature range of 150 to 480°C. Its electronic circuitry maintains the soldering temperature within 5°C by means of a temperature sensor mounted in the soldering iron.

The electronic circuitry employs Zero Voltage switching techniques that prevent the generation of voltage and current spikes that could damage sensitive components.

A range of spare parts and alternative long-lasting, iron clad, nickel/chrome soldering tips are available to keep the LF-389D functioning perfectly.

- Warm-up time approx. 1 minute
- Fast temperature recovery
- Temperature lock
- Slender, ergonomic soldering iron with rubberised grip
- Non-burning silicone rubber cable between station and iron
- Tip grounding leakage less than 0.4mV
- Uses Xytronic 44-5106XX series soldering tips
- Supplied complete with iron stand, tip cleaner and instruction booklet
- **Xytronic type LF389D**

#### Technical specification

Input	220 to 240V AC, 50Hz
Output	60W
Fuse	0.5A fast blow
Temperature range	150 to 480°C (302 to 896°F)
Temperature correction range	+99 to -99°C (+210 to -210°F)
Default setting	150°C (302°F)
Dimensions	105 x 90 x 90mm (W x H x D)

Type	Order code	1+	3+	5+
LF-389D Station	<b>85-6780</b>	66.45	63.48	60.42
105V Soldering Iron	<b>85-6782</b>	24.53		
Heater Assy for 105V	<b>85-6784</b>	5.05		

518346



### ESD Safe 48W Temperature Controlled Digital Soldering Station

A 48W temperature controlled soldering station with push-button temperature selection and a digital display.



The station has been specially designed to prevent the generation of voltage spikes and surges that could damage electrostatic susceptible components. The station uses a 24V soldering iron and has a built-in soldering iron stand with a tip-cleaning sponge mounted in a drawer that can be closed when the station is not in use.

- Temperature range 150 to 450°C
- Last setting memory
- Warning alarm in case of malfunction
- Operating voltage 220 to 240V
- Supplied complete with detachable 48W, 24V soldering iron, 1.4mm soldering tip, tip cleaning sponge and mains cable with UK 13A plug

#### Technical specification

Power input	220 to 240V AC, 50Hz
Iron voltage	24V
Output power	48W
Temperature range	150 to 450°C
Display accuracy	5%
Fuse rating	T 1A, 250V (20 x 5mm fuse)
Station dimensions	120 x 104 x 137mm
Weight	1.4kg
Sponge size	56 x 36mm

Type	Order code	1+	3+	10+
48W soldering station	<b>85-5912</b>	43.73	42.79	40.48
Spare soldering iron	<b>85-5925</b>	9.77		
Conical bit 0.3mm	<b>85-5903</b>	1.18		
Conical bit 0.5mm	<b>85-5901</b>	1.18		
Screwdriver bit 2.0mm	<b>85-5907</b>	1.18		
Chisel bit 3.0mm	<b>85-5905</b>	1.18		
Spare sponge	<b>85-5909</b>	1.18		

555386

## Iron Stands



### ST4 Soldering Iron Stand

The Antex ST4 stand is suitable for use with most Antex soldering irons.

- Phenolic base with chromed-steel spring holder
- Incorporates mounting holes enabling the stand to be fixed to a bench
- Supplied with tip cleaning sponge
- Replacement sponges are available separately, order code **85-0587**
- **Antex type ST4**

Not suitable for the Antex TGS240.

Type	Order code	1+	5+
ST4 iron stand	<b>85-0585</b>	6.02	5.72

030200



## 105C Soldering Iron Stand

A safety stand for Xytronic soldering irons.

- Holds iron safely
- Reduces risk of accidental burns or damage to iron
- Built-in tip-cleaning brass wool
- Spare brass wool is available separately, order code 85-0628
- Xytronic type 105C



Type	Order code	1+
Xytronic iron stand	85-5899	9.88

533154



## ST6A Soldering Iron Stand

The Antex ST6A soldering iron stand is an industrial quality stand which fits the Antex M, C, CS, XS, TCS, TC & SD soldering irons. It is ideal for use with irons fitted with a fume extraction tube.



- Fits the Antex M, C, CS, XS, TCS, TC & SD irons
- Manufactured from high grade materials suitable for soldering iron tip temperatures
- Innovative design keeps soldering iron handle temperature to a minimum
- Slip-resistant feet
- Ballast weight for stability
- Tip cleaning sponge
- Antex type ST6A

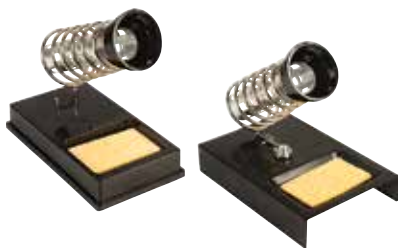
Not suitable for the larger Antex HP and Solbraze irons.

Type	Order code	1+	5+	10+
ST6A iron stand	85-4722	9.54	9.02	8.50
Replacement sponge	85-0584	1.32		

539483



## AV-STND10 Series Soldering Iron Stands



A range of soldering iron stands featuring spiral spring construction with zinc-plated inner tubes.

- Recessed area for sponge
- Made from heat-resistant materials
- Ring diameter 35mm
- Sponge size 55 x 35mm approx.
- Replacement sponges available separately
- Anvil AV-STND10 series

Type	Order code	1+
Plastic base	85-5998	6.05
Metal base	85-5999	6.05

561098

## Soldering Iron Tips



### Soldering Bits for CS, CSL and TCS Soldering Irons

Soldering bits suitable for the Antex CS and TCS ranges of soldering irons.

- Bits are held in place by an internal spring
- Bits for the CS and TCS also fit the Antex TC50 and SD50 irons and the 660TC station
- 'L' versions are extra plated to increase protection from the more aggressive fluxes used with lead-free solder



Type	Order code	1+	5+	10+
1100 2.3mm CS & TCS	85-0515	2.86	2.67	2.56
1100L 2.3mm CSL & TCS	85-1212	3.11	2.97	2.80
1101 3.0mm CS & TCS	85-0518	2.86	2.67	2.56
1101L 3.0mm CSL & TCS	85-1214	3.11	2.97	2.80
1102 4.7mm CS & TCS	85-0520	2.86	2.67	2.56
1103 6.0mm CS & TCS	85-0511	2.86	2.67	
1105 0.5mm CS & TCS	85-0508	2.86	2.67	2.56
1105L 0.5mm CSL & TCS	85-1216	3.11	2.97	2.80
1106 1.0mm CS & TCS	85-0510	2.86	2.67	2.56
1107 0.12mm CS & TCS	85-0522	3.85	3.74	
1108 3.0mm CS & TCS	85-0507	2.86	2.67	2.56
1109 5.0mm CS & TCS	85-0509	2.86	2.67	2.56

061628



### Lead Free Soldering Tips: 44-4154XX Series



Bits for Xytronic soldering irons 85-0650, 85-0660, model 207, model 208 and the XY9-60A, XY9-60D, XY7, XY9, LF-1000, 168, 168-3CD, 169 and 169D soldering stations.

- Plated over entire length - prevents sticking in iron
- Pre-tinned with lead-free solder
- Xytronic 44-4154XX Series (where XX denotes the precise part number)

Type	Order code	1+	5+	10+	50+
0.4mm pointed bit 403	85-0967	3.06	2.89	2.66	
0.8mm 45° chisel bit 401	85-0968	3.06	2.80	2.57	2.17
0.8mm pointed bit 402	85-0969	3.31	2.89	2.66	2.24
1.2mm chisel bit 406	85-0970	3.06	2.89	2.66	
1.6mm chisel bit 404	85-0972	3.06	2.68	2.46	2.08
3.2mm chisel bit 405	85-0974	3.06	2.68	2.46	
5mm 45° chisel bit 411	85-0976	3.31	2.89	2.66	2.24
5mm screwdriver bit 410	85-0978	3.06	2.89	2.66	

072322



### Soldering Bits for XS and XSL Soldering Irons

Soldering bits suitable for the Antex XS and XSL ranges of soldering irons.

- Bits are held in place by an internal spring



- 'L' versions are extra plated to increase protection from the more aggressive fluxes used with lead-free solder

Type	Order code	1+	5+	10+
50 2.3mm XS	85-0535	2.86	2.67	2.56
50L 2.3mm XSL	85-0594	3.21	3.10	2.99
51 3.0mm XS	85-0540	2.86	2.67	2.56
51L 3.0mm XSL	85-0596	3.21	3.10	2.99
52 4.7mm XS	85-0545	2.86	2.67	2.56
53 2.3mm XS	85-0537	2.86	2.67	2.56
54 3.0mm XS	85-0539	2.86	2.67	2.56
55 0.5mm XS	85-0531	2.86	2.67	2.56
55L 0.5mm XSL	85-0598	3.21	3.10	2.99
56 1.0mm XS	85-0532	2.86	2.67	2.56
57 0.12mm XS	85-0533	3.85	3.74	3.63

300757

## Soldering Accessories



### TOOLCRAFT

#### Helping Hand LED Magnifier Lamp

An extremely versatile, combined workstation tool with a gooseneck magnifier lamp and 16 LEDs for maximum lighting of the work area. The tool has 3 'helping hands': 2 rigid and one flexible for securely supporting the work-piece at any angle.



With its soldering iron holder and solder wire reel holder, it is perfectly suited for supporting components and PCBs while soldering. The LED lights can be powered either by the mains power supply unit as well as by 4x AA batteries.

- Flexible third hand
- LED illumination
- Swan neck table magnifying lamp
- Holder for soldering iron
- Large glass lens with 2x magnification
- Small embedded lens for 4x magnification of extremely small parts
- Ring light with 16 LEDs and gooseneck for optimal lighting
- Adjustable third hand with two alligator clips
- Additional flexible 250mm gripping arm with alligator clip
- Soldering iron holder
- Wire reel holder
- Cleaning sponge
- Easily adjustable hinge
- Heavy metal stand
- Supplied complete with mains adaptor, 10mm & 19mm wire reel spindle, cleaning sponge and lens cap

Batteries not included.

Type	Order code	1+
Helping Hand Lamp	51-1594	79.34

523682



#### Helping Hands Assembly Aid with Magnifier

This extremely versatile assembly aid assists in the soldering of PCBs, positioning of components, wiring of connectors, etc., by holding them in place while you work on them. It's just like having an extra pair of helping hands!



An indispensable aid for model makers, DIYers and professionals. It has adjustable



joints for versatile adjustment in all directions with strong crocodile clips for holding the work secure. A heavy cast-iron base gives good stability. For small parts, the 65mm glass magnifying lens will lend your eyes a hand too. Ideal for any application where a 'third hand' is required!

- Arms with crocodile clips hold the workpiece
- Can be adjusted through 360°
- 65mm steel-framed glass 2.5x magnifier
- Heavy cast base prevents accidental tipping
- Ideal for electronics, model making, jewellery, crafts, etc.

Type	Order code	1+	10+	25+
Helping hands	<b>85-5930</b>	5.20	4.91	4.38

525409



## 30309 250 x 250mm Asbestos-Free Soldering Mat

Protects working areas from flame damage and scorching when soldering or using gas torches.

- Size: 250 x 250mm
- Guaranteed asbestos-free
- Draper type 30309



Type	Order code	1+
Soldering Mat	<b>91-4113</b>	4.59

311818



## Replacement Silicone Cable for Soldering Irons

Heat resistant, silicone cable for soldering irons.

- Especially recommended for use with mains powered irons
- Ideal for educational applications
- Survives contact with a heated soldering iron tip
- Convert existing PVC cabled irons to safer silicone cable
- Available in 3- and 5-core versions
- Overall length 3-core 1.5m, 5-core 1.2m
- Pre-stripped and tinned
- 3-core cable is normally used for mains irons
- 5-core cable is normally used for low voltage irons attached to temperature-controlled stations



Type	Order code	1+	5+
Silicone cable - 3 core	<b>85-0590</b>	5.13	4.92
Silicone cable - 5 core	<b>85-0668</b>	9.25	

030215



## Desoldering Tools

The Anvil desoldering pump is a spring loaded, piston driven solder removal tool which creates a powerful vacuum to suck up molten solder. The piston is primed before the solder is heated and released by pressing a button. Spare tips are available to extend the working life of the tool, **85-0611** is an ESD safe nozzle and **85-0609** is the standard Teflon nozzle.



- Simple one handed operation
- Aluminium body
- Push button action for fast, precise working
- Tough, metal bodied desoldering tool
- Nozzle can be quickly removed for cleaning or replacement
- Available with standard or antistatic (ESD) tip for use with static sensitive devices

Type	Order code	1+	10+	50+
Std Desoldering Tool	<b>85-0601</b>	4.51	4.28	3.91
Standard Nozzle	<b>85-0609</b>	0.934	0.801	0.667
ESD Desoldering Tool	<b>85-0603</b>	5.29	4.66	
ESD Nozzle	<b>85-0611</b>	1.28	1.09	

537599



## Tip Cleaning Sponge for ST Soldering Iron Stands

A replacement tip cleaning sponge, suitable for use with the Antex ST4, ST6 and other soldering iron stands.

- Approximate size 57 x 10 x 83mm
- Can be cut down to suit smaller holders
- Antex type Y011440



Type	Order code	1+	5+	10+
Antex sponge	<b>85-0587</b>	0.91	0.83	0.78

518915



## Brass Wool Solder Tip Cleaner

A dry soldering iron tip cleaner employing low abrasive brass wool, which offers superior cleaning of stubborn deposits and oxidation.

- Unlike sponges, there is no need to keep wet, and therefore no temperature drop on the tip
- The weighted, heavy-duty holder has a non-slip rubber base for maximum stability
- Replacement brass wool refills are available separately
- Base diameter of holder 90mm
- Xytronic model 460



Type	Order code	1+	5+	10+
Tip cleaner	<b>85-0626</b>	5.51	5.23	4.90
Solder tip cleaner refill	<b>85-0628</b>	1.67	1.61	1.50

03523



## Loctite TTC-LF Lead-Free Soldering Iron Tip Tinner and Cleaner

Multicore Loctite TTC-LF is a soldering iron bit tinner/cleaner offering a speedy and effective method of cleaning and re-tinning de-wetted bits.

- Lead-free formulation
- Self-adhesive pad for securing to worktop, etc.
- Supplied in a 15g tin
- Multicore Loctite type TTC-LF



Type	Order code	1+	10+
Lead-free bit cleaner	<b>85-0630</b>	5.83	5.72

074867



## AV-CLN10W2 Brass Wool Dry Soldering Tip Cleaner

The Anvil AV-CLN10W2 is a dry soldering iron tip cleaner that uses low abrasive brass wool to offer superior cleaning of stubborn soldering deposits and oxidation especially when soldering at higher temperatures with lead-free solder.



- Dry cleaner
- No need to keep wet like sponges
- Minimal tip temperature drop when used
- Recommended for use with lead-free solder
- Replacement brass wool refills are available separately
- Anvil type AV-CLN10W2

Type	Order code	1+
Brass wool cleaner	<b>85-5916</b>	3.64
Brass wool refill	<b>85-5918</b>	1.77

561093



## TOOLCRAFT Desoldering Suction Pump Aluminium ESD



The desoldering suction pump from Toolcraft is an anti-static desoldering suction pump in metallic housing with self-cleaning tip and easy to use trigger head. Ideal for hobby and professional applications.

- Anti-static
- Robust aluminium housing
- Easy to use release button

Technical specification

Antistatic	Yes
Dimensions (ø x L)	18 x 195mm
Weight	64g

Type	Order code	1+	10+
Suction pump	<b>51-2393</b>	7.36	6.69

524304

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## Fume Extraction



### 456DLX Fume Extractor with 45W Soldering Iron



A temperature-controlled soldering station combined with a fume extraction system, offering a one-piece solution to safer soldering.

- **Soldering iron:**
- ESD safe
- Electronic temperature controlled, continuously adjustable iron
- Highly insulated ceramic heater
- Zero voltage switching
- Fast heat up and instant heat recovery
- **Extractor:**
- 95 to 115CFM flow rate
- Easy to replace 130 x 130mm activated carbon filter
- Built in high efficiency, low noise, brushless mini fan
- Convenient and space saving
- Supplied complete with soldering iron stand and mains lead fitted with UK 13A plug
- Xytronic model **456DLX**

Type	Order code	1+	5+	10+
Extractor with iron	<b>85-1044</b>	95.23	90.96	88.21
Heater holder Assy	<b>85-0996</b>	3.31	2.66	2.56
Barrel for 108ESD	<b>85-6704</b>	1.37		
Barrel nut for 108ESD	<b>85-6706</b>	1.37		

061412

## Weller®

### FT Zero-Smog 2 Fume Extraction Unit and Accessory Kits

The WellerFT Zero-Smog 2 produces more suction force than its predecessor and is powerful enough to remove all types of fumes from the work bench. It can produce 190m³/h suction volume and offers a high extraction power of 3000Pa even with a used filter in place.



The performance increase is provided by a high-quality, reliable, long-life, maintenance-free brushless EC blower. In combination with flexible and adjustable 'Easy-Click 60°' arms, the Zero Smog 2 unit is the ideal solution for smaller, cost-conscious soldering applications for 1 to 2 work benches.

- Portable fume extraction unit with 1x extraction hose and funnel nozzle
- Designed for placing under or next to bench-top
- Quick and simple installation with 'Easy-Click' System
- Economic unit purifies air for 1 to 2 workplaces
- Large EPA E12 filter surface of 2.4m² For long filter lifetime
- Main filter with EPA E12 efficiency of 99.5% at MPPS
- Activated carbon filter to remove additional gaseous pollutants

- Easy filter change
- **Supplied complete with:**
- Flexible extraction arm OF15, 1.5m, ø60mm
- Funnel nozzle ALFA (230 x 100mm)
- Fixing clamp
- Replacement filters, additional extraction arms and parts are available separately
- **Weller type Zero-Smog 2 EL Kit 1, FT91012699**

Technical specification	
Capacity	1 to 2 work places
Max. turbine extraction rate	190m³/h
Max. turbine vacuum	3000Pa
Voltage	230V, 50Hz (120V, 60Hz)
Electrical power	200W
Noise level	53db(A) at 1m distance
Dimensions (L x W x H)	360 x 330 x 415mm
Weight	9kg

Type	Order code	1+
<b>Fume extractor unit</b>		
1x funnel nozzle	<b>85-5793</b>	567.19
<b>Accessories</b>		
Extra extractor arm	<b>85-5776</b>	195.90
Extraction arm	<b>85-5519</b>	104.24
Hose 3m	<b>85-5521</b>	56.76
Hose adaptor	<b>85-5527</b>	6.10
Stop valve	<b>85-5523</b>	110.43
Table clamp (2)	<b>85-5525</b>	20.26

300699



### 468ESD Soldering Fume Extractor

A cost-effective, mains-powered fume extraction unit for reducing soldering fumes from the immediate vicinity of the operator.



- Built-in, replaceable, activated carbon filter helps to reduce solid fume particles
- Significantly reduces the likelihood of eye irritation, nausea, and respiratory tract problems
- Adjustable tilting head
- Recommended distance from soldering iron 120 to 150mm
- Supplied complete with 3 filters and mains lead fitted with UK 13A plug
- Replacement filters are available in packs of 3 and should be changed when they have become discoloured or when excessive dust has accumulated
- ESD safe and **CE approved**
- **Xytronic type 468ESD**

Technical specification	
Input	220 to 240V AC, 50Hz
Fuse	F0.3A 20mm, slow blow
Output	20 to 22W
Dimensions	182 x 136 x 200mm (W x D x H)
Weight	1168g without filter
Max. air volume	95 to 115 cubic feet per minute
Filter	130 x 130mm, weight 12g

Type	Order code	1+	3+	5+
468ESD Fume Extractor	<b>85-6788</b>	56.27	48.78	43.76

518852



### Soldering Fume Filter

A mains-powered unit for the filtration and removal of soldering and other fumes from the immediate vicinity of the user. When soldering in the workplace or classroom, it is advisable to have some kind of fume extraction or fume filtering system.



The unit removes fumes safely and efficiently by drawing the air through replaceable carbon filters. Simply place the filter close to the work area and switch it on.

- Filters fumes quickly, safely and efficiently
- Adjustable angle

- Supplied with 2 replaceable filters
- Replacement filters available separately
- ESD safe
- 220 to 240V AC mains powered
- Power 23W
- Size 220 x 270 x 168mm (W x H x D)
- Weight 1.4kg

Type	Order code	1+	10+
Fume filter ESD	<b>85-5920</b>	19.99	
Pack of 2 filters	<b>85-5924</b>	3.86	3.27

525407



### LF-8800 Solder and Desolder Station



A combined soldering and desoldering station specially designed for lead-free soldering/desoldering to meet RoHS requirements.

The station has a built-in vacuum pump and incorporates electronic circuitry which enables the user to set the soldering tip temperature between 150°C (302°F) and 480°C (896°F) and desoldering tip temperature between 300°C (572°F) and 450°C (842°F) without changing tips or heating elements.

Temperature is maintained within ±3°C (±6°F) of its operating temperature by a thermocouple sensor in the iron. Optional accessories are available separately, including an 80W hot air pencil and an SMD rework tweezer for surface mounting devices.

- Heater and sensor fail detection and automatic power off
- Temperature 'lock-out' feature with password
- ESD safe and spike-free circuitry
- 'Zero voltage' electronic switching design protects sensitive components
- Delayed suction helps eliminate the problem of solder clogging up the tip - pump continues sucking for 1.5 seconds after the actuator switch is released
- Energy saver mode: After 20 minutes of inactivity, the temperature reduces to 150°C, after 40 minutes the power switches to 'sleep mode' which cuts power consumption and extends tip life
- Iron working option: both soldering and desoldering irons can be used at the same time
- Optional SMD tweezers for SMD chips, SOT, flat pack ICs etc.
- Optional hot air pencil
- A range of soldering tips are available separately, please see order codes 85-5180 to 85-5196
- Supplied complete with soldering and desoldering irons and stands
- Replacement irons are available separately
- Xytronic types **LF-8800** (station), **307A** (iron), **DIA100** (desoldering iron)

Technical specification	
Input	220 to 240V AC, 50Hz
Soldering output	100W
Desoldering output	100W
Temperature range soldering	150°C (302°F) to 480°C (896°F)
Temperature range desoldering	300°C (572°F) to 450°C (842°F)
Dimensions	105 x 90 x 126mm W x H x D
Weight	6.5kg

Type	Order code	1+	5+	10+
LF-8800 station	<b>85-5490</b>	383.54		
Iron type 307A	<b>85-5492</b>	55.15		
Desoldering iron DIA100	<b>85-5496</b>	70.26		
Heater for DIA100	<b>85-5498</b>	26.17		
SMD Rework Tweezer	<b>85-5493</b>	54.71		
1.0mm desolder tip	<b>85-1185</b>	8.63	8.45	
1.2mm desolder tip	<b>85-1186</b>	8.63	8.45	
1.5mm desolder tip	<b>85-1187</b>	8.63	8.45	7.99
Hot Air Pencil	<b>85-1088</b>	32.45		

123560