

# Hakko Soldering Equipment



## HAKKO FX 950 ESD SAFE



- The new standard for lead-free soldering utilizing a 70W composite tip
- Allows use of different tips and temperature settings for different

Part No	Description	Price
FX950	Analogue S/ Station & Iron excluding tip	315.00

## Hakko FX 951 ESD SAFE



- The new standard for lead-free soldering utilizing a 70W composite tip
- Rapid thermal response accurately maintains tip temperature
- 84 different tip profiles available
- Vertical, small foot print ESD safe design
- "Supervisor" card control of parameter settings
- Selectable shut-down and sleep modes to extend tip life and reduce oxidation
- Optional anti-bacterial coloured sleeves for quick tip selection
- Additional Nitrogen systems available for low flux soldering

Part No	Description	Price
FX951	Digital S/ Station & Iron excluding tip	430.00

## Hakko FX 952 ESD SAFE



- Two soldering irons can be controlled by one station.
- Allows use of different tips and temperature settings for different application.

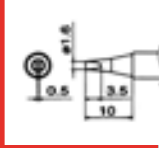
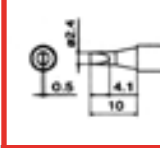
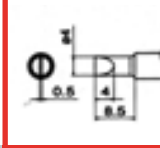
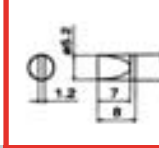
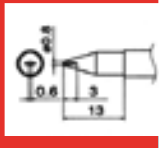
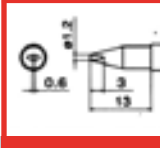
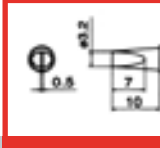
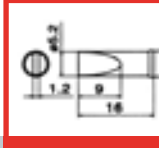
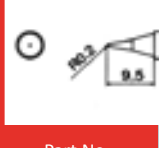
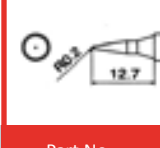
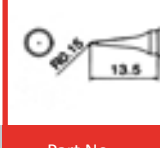
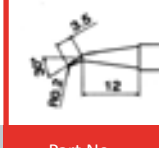
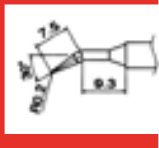

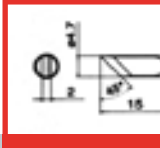
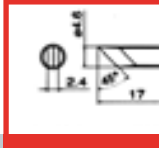

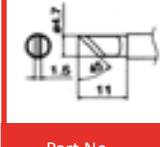

Part No.	Description	Price
FX952	Dual Soldering Station - tips not included	915.55

## Tips for FX951, FX952 Soldering Irons

Part No.	Description	Price	Part No.	Description	Price	Part No.	Description	Price	Part No.	Description	Price
T12-B	Shape B	25.67	T12-B2	Shape 0.5B	25.67	T12-B3	Shape 0.7B	26.92	T12-B4	Shape 0.4B	25.67
T12-BL	Shape B	25.67	T12-BC1	Shape 1BC	25.67	T12-BC2	Shape 2BC	25.67	T12-BC3	Shape 3BC	25.67
T12-C1	Shape 1C	25.67	T12-C4	Shape 4C	25.67	T12-BCF2*	Shape 2BC	25.67	T12-BCF3*	Shape 3BC	25.67
T12-CF4*	Shape 4C	25.67	T12-D08	Shape 0.8D	25.67	T12-BCM2	Mini Wave tip	30.94	T12-BCM3	Wave Tip	30.94
									T12-D12	Shape 1.2D	25.67

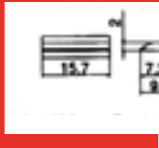
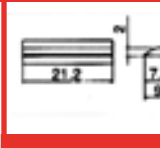
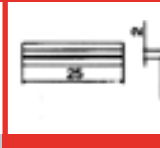
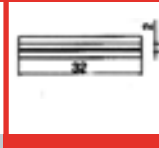
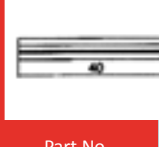

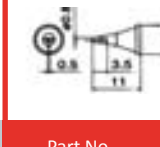
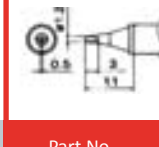
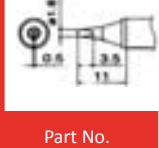
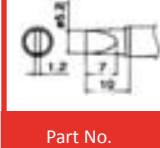
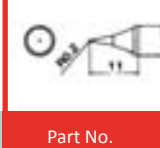
\*These tips are tinned on the soldering surface only

**Tips for FX951, FX952 Soldering Irons, continued.**

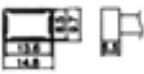



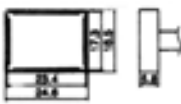





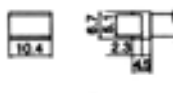




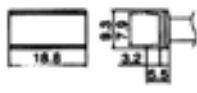
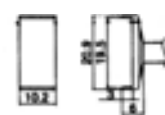
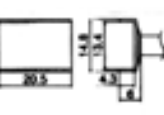
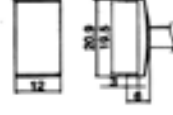

											
<b>Part No.</b> T12-D16	<b>Description</b> Shape 1.6D	<b>Price</b> 25.67	<b>Part No.</b> T12-D24	<b>Description</b> Shape 2.4D	<b>Price</b> 25.67	<b>Part No.</b> T12-D4	<b>Description</b> Shape 4D	<b>Price</b> 25.67	<b>Part No.</b> T12-D52	<b>Description</b> Shape 5.2D	<b>Price</b> 25.67
											
<b>Part No.</b> T12-DL08	<b>Description</b> Shape 0.8DL	<b>Price</b> 26.92	<b>Part No.</b> T12-DL12	<b>Description</b> Shape 1.2D	<b>Price</b> 25.67	<b>Part No.</b> T12-DL32	<b>Description</b> Shape 3.2DL	<b>Price</b> 26.92	<b>Part No.</b> T12-DL52	<b>Description</b> Shape 5.2DL	<b>Price</b> 34.03
											
<b>Part No.</b> T12-I	<b>Description</b> Shape I	<b>Price</b> 25.67	<b>Part No.</b> T12-IL	<b>Description</b> Shape IL	<b>Price</b> 25.67	<b>Part No.</b> T12-ILS	<b>Description</b> Shape ILS	<b>Price</b> 26.92	<b>Part No.</b> T12-J02	<b>Description</b> Shape 0.2J	<b>Price</b> 26.92
											
<b>Part No.</b> T12-JL02	<b>Description</b> Shape 0.2JL	<b>Price</b> 26.92	<b>Part No.</b> T12-JS02	<b>Description</b> Shape 0.2JS	<b>Price</b> 26.92	<b>Part No.</b> T12-K	<b>Description</b> Shape K	<b>Price</b> 34.03	<b>Part No.</b> T12-KF	<b>Description</b> Shape KF	<b>Price</b> 39.60
											
<b>Part No.</b> T12-KL	<b>Description</b> Shape KL	<b>Price</b> 30.94	<b>Part No.</b> T12-KR	<b>Description</b> Shape KR	<b>Price</b> 30.94	<b>Part No.</b> T12-KU	<b>Description</b> Shape KU	<b>Price</b> 30.94			

\*These tips are tinned on the soldering surface only

**SMD Type Tips for FX951, FX952 Soldering Irons**

											
<b>Part No.</b> T12-1402	<b>Description</b> Spatula 15.7	<b>Price</b> 68.07	<b>Part No.</b> T12-1403	<b>Description</b> Spatula 21.2	<b>Price</b> 80.44	<b>Part No.</b> T12-1404	<b>Description</b> Spatula 25	<b>Price</b> 117.57	<b>Part No.</b> T12-1405	<b>Description</b> Spatula 32	<b>Price</b> 117.57
											
<b>Part No.</b> T12-1406	<b>Description</b> Spatula 40	<b>Price</b> 117.57	<b>Part No.</b> T12-WB2	<b>Description</b> Shape 2WB	<b>Price</b> 34.03	<b>Part No.</b> T12-WD08	<b>Description</b> Shape 0.8WD	<b>Price</b> 34.03	<b>Part No.</b> T12-WD12	<b>Description</b> Shape 1.2WD	<b>Price</b> 34.03
											
<b>Part No.</b> T12-WD16	<b>Description</b> Shape 1.6WB	<b>Price</b> 34.03	<b>Part No.</b> T12-WD52	<b>Description</b> Shape 5.2WD	<b>Price</b> 34.03	<b>Part No.</b> T12-WI	<b>Description</b> Shape WI	<b>Price</b> 34.03			

## SMD Type Tips for FX951, FX952 Soldering Irons

											
<b>Part No.</b> T12-1201	<b>Quad Size</b> 13.6 x 8.5	<b>Price</b> 239.77	<b>Part No.</b> T12-1202	<b>Quad Size</b> 10.3 x 10.3	<b>Price</b> 239.77	<b>Part No.</b> T12-1203	<b>Quad Size</b> 12.8 x 12.8	<b>Price</b> 239.77	<b>Part No.</b> T12-1204	<b>Quad Size</b> 17.9x17.9	<b>Price</b> 239.77
											
<b>Part No.</b> T12-1205	<b>Quad Size</b> 23.4 x 17.3	<b>Price</b> 239.77	<b>Part No.</b> T12-1206	<b>Quad Size</b> 22.5 x 16.5	<b>Price</b> 239.77	<b>Part No.</b> T12-1207	<b>Quad Size</b> 15.5 x 15.5	<b>Price</b> 239.77	<b>Part No.</b> T12-1208	<b>Quad Size</b> 15.8x15.8	<b>Price</b> 239.77
											
<b>Part No.</b> T12-1209	<b>Quad Size</b> 8.4 x 8.4	<b>Price</b> 239.77	<b>Part No.</b> T12-1001	<b>Tunnel Size</b> 5.1 x 4.6	<b>Price</b> 75.80	<b>Part No.</b> T12-1002	<b>Tunnel Size</b> 5.1 x 10.4	<b>Price</b> 75.80	<b>Part No.</b> T12-1003	<b>Tunnel Size</b> 9.5x18.3	<b>Price</b> 75.80
											
<b>Part No.</b> T12-1004	<b>Tunnel Size</b> 9.5x5.8	<b>Price</b> 75.80	<b>Part No.</b> T12-1005	<b>Tunnel Size</b> 9.5x13.2	<b>Price</b> 75.80	<b>Part No.</b> T12-1006	<b>Tunnel Size</b> 6.9 x 11.4	<b>Price</b> 75.80	<b>Part No.</b> T12-1007	<b>Tunnel Size</b> 7.9x18.8	<b>Price</b> 75.80
											
<b>Part No.</b> T12-1008	<b>Tunnel Size</b> 19.5x10.2	<b>Price</b> 75.80	<b>Part No.</b> T12-1009	<b>Tunnel Size</b> 13.4x20.5	<b>Price</b> 75.80	<b>Part No.</b> T12-1010	<b>Description</b> 19.5 x 12	<b>Price</b> 239.77	<b>Part No.</b> T12-1401	<b>Spatula Size</b> 10.4	<b>Price</b> 80.44

## Tip Cleaning, Life Enhancement & Storage

Chemical tip tinning paste.  
Does not contain any diammonium phosphate, so it is safe to tip, P.W.B., operator and global environment.  
10grams.



Part No.	Description	Price
FS100	Tip Tinner	24.40

- Convenient tip tray for easy selection of Hakko T12 and T7 tips



Part No.	Description	Price
B2756	Tip Tray	36.23

- Great for lead free solder
- Replaces sponges in the FX 951 stand
- Does not cause thermal shock to tip like a wet sponge does.



Part No.	Description	Price
599B	Tip Cleaner	16.69
599-029	Spare Cleaning Wire	9.15

A tip polisher for users who have a problem with tip oxidation due to Lead-Free and high temperature solder. Removes and oxides with out damaging the tip. Energy saving design, consumes only 4.5watts. Dimensions; 70 x 54 x 101mm



Part No.	Description	Price
FT700	Tip Polisher	340.31

Enables you to perform temperature control surely and easily, which is essential in lead-free soldering. Suitable for lead-free solder – quick and accurate tip temperature measurement using fine CA wire sensor Disposable sensor always maintains accurate temperature measurement. MAX hold function. Auto shut off function. Compact size.



Part No.	Description	Price
FG100	Tip Thermometer	342.56

**Hakko Analogue Hot Air Station ESD SAFE**



- The ideal solution to all simple SMD repair type applications
- Comes with airflow meter for higher accuracy
- Low cost
- Space-saving design
- ESD safe

Part No.	Description	Price
FR801	Analogue hot air station	804.91

**Hakko Digital Hot Air Station with Profiling**



**LEAD FREE**

- User selectable 3 stage + cool-down profile
- 3 profile memory for different chip sizes/allows
- Perfect for cost effective BGA rework on mobile phones, PDA etc
- Small foot print ESD safe design
- Card lock functions with optional auto shut down
- Accurate temperature and air flow settings
- Vacuum pick up for chip removal
- Turbine style heater provides even heating of chip

Part No.	Description	Price
FR803	Digital hot air station with profiling	1505.78

**Hakko Preheater ESD SAFE**



**LEAD FREE**

- Compact design
- Fast heating
- Temperature range 120 to 250°C
- Excellent thermal stability
- Closed loop variable temperature control
- ESD safe by design

Part No.	Description	Price
FR820	Preheater	513.33

**Hakko Omnivise ESD SAFE**



- Holds boards easily, safely and securely. Unique design allows 360° use
- Five (5) adjustable heights
- Can accommodate any board size

Part No.	Description	Price
C1390C	Omnivise	86.27

**Hakko Digital Hot Air Station**



**LEAD FREE**

- The air outlet has a new mechanism to reduce the temperature irregularity
- Digital display
- Comes with the offset function to compensate for difference of air outlet temperatures depending on the nozzle size
- The power saving function will automatically stop the hot airflow after a specific time passes
- Comes with the auto cool-down function. If the power is turned off, it continues to supply air until the temperature in the nozzle pipe decreases down to 100°C to protect the heating element
- Card lock function to lock the setting details.
- Comes with an airflow meter to allow more accurate and easier control of the flow rate
- Space saving design
- ESD safe by design

Part No.	Description	Price
FR802	Digital hot air station	1095.11

**Hakko SMD & BGA Rework Station**



**LEAD FREE**

- The highly versatile FR803 grouped together with the preheater, rework standard omnivise sets up as a very low cost and suitable for any BGA and SMD
- Components makes this the perfect choice for any hot air rework application

Part No.	Description	Price
FR803/KIT	SMD and BGA Rework Station	2998.00

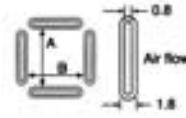
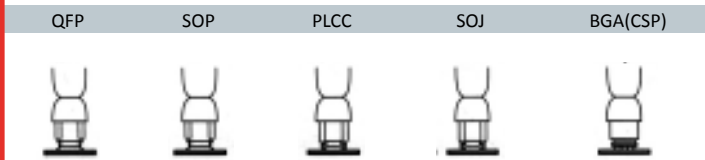
**Hakko Rework Fixture ESD SAFE**



- This compact and stable rework fixture allows the handpiece to be mounted securely
- Great for accurate and repetitive rework
- Smooth vertical motion makes operation easy





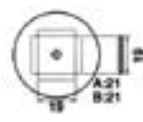
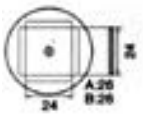
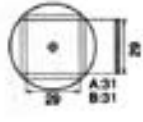
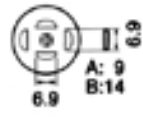
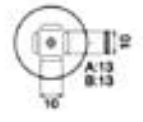
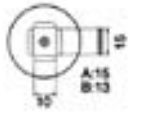



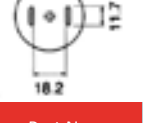




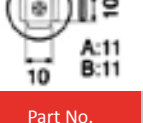



Part No.	Description	Price
C1392	Rework Fixture	862.69

## Optional Nozzles for FR801/802/803



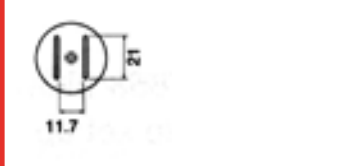
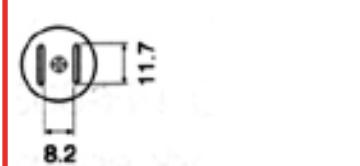

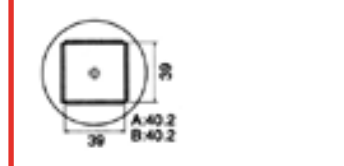
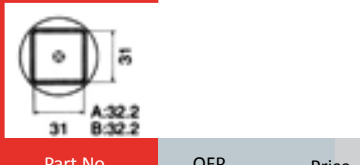
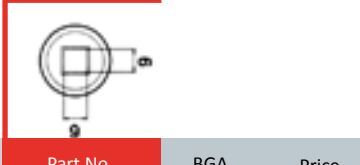
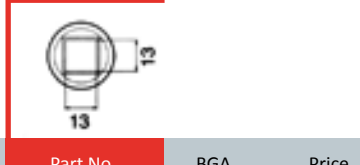
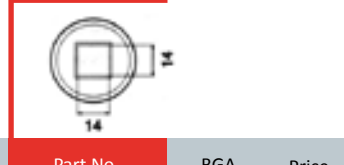
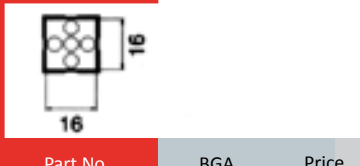
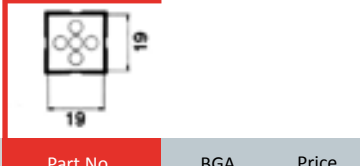
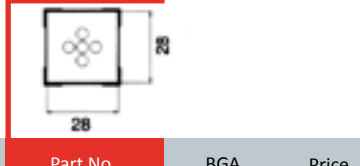
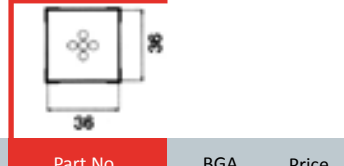
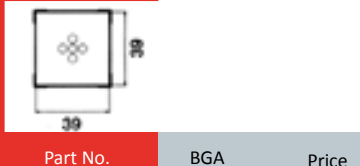
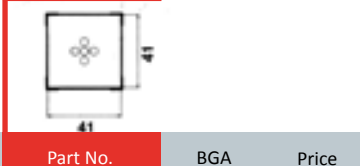
\*The size in Specifications indicates the size of IC package.

## Vacuum Function Operative Nozzles




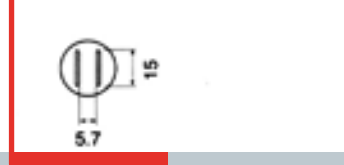

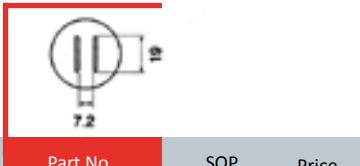
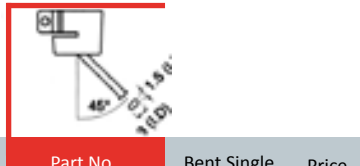

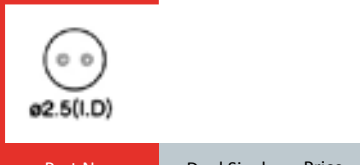
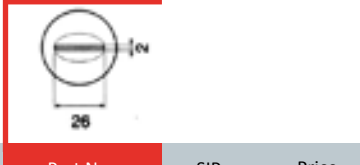
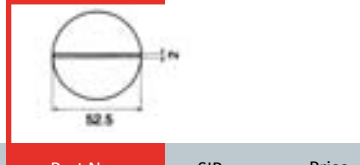
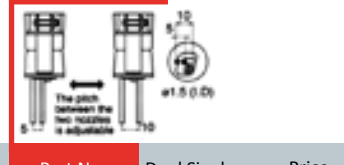
			
<b>Part No.</b> A1125B	<b>Part No.</b> A1126B	<b>Part No.</b> A1127B	<b>Part No.</b> A1128B
QFP 10 x 10	QFP 14 x 14	QFP 17.5 x 17.5	QFP 14 x 20
Price 144.05	Price 144.05	Price 144.05	Price 144.05
			
<b>Part No.</b> A1129B	<b>Part No.</b> A1135B	<b>Part No.</b> A1136B	<b>Part No.</b> A1137B
QFP 28 x 28	PLCC 17.5 x 17.5	PLCC 20 x 20	PLCC 25 x 25
Price 144.05	Price 144.05	Price 144.05	Price 144.05
			
<b>Part No.</b> A1138B	<b>Part No.</b> A1139B	<b>Part No.</b> A1140B	<b>Part No.</b> A1141B
PLCC 30 x 30	PLCC 12.5 x 7.3	PLCC 11.5 x 11.5	PLCC 11.5 x 14
Price 144.05	Price 230.84	Price 144.05	Price 144.05
			
<b>Part No.</b> A1180B	<b>Part No.</b> A1181B	<b>Part No.</b> A1182B	<b>Part No.</b> A1184B
BQFP 17 x 17	BQFP 19 x 19	BQFP 24 x 24	SOJ 18 x 8
Price 319.61	Price 285.22	Price 163.06	Price 144.05
			
<b>Part No.</b> A1185B	<b>Part No.</b> A1186B	<b>Part No.</b> A1187B	<b>Part No.</b> A1259B
TSOL 13 x 10	TSOL 18 x 10	TSOL 18.5 x 8	SOP 13 x 28
Price 323.20	Price 323.20	Price 163.06	Price 144.05
			
<b>Part No.</b> A1260B	<b>Part No.</b> A1261B	<b>Part No.</b> A1262B	<b>Part No.</b> A1188B
SOP 8.6 x 18	QFP 20 x 20	QFP 12 x 12	PLCC 9 x 9
Price 163.06	Price 144.05	Price 144.05	Price 144.05
			
<b>Part No.</b> A1189B	<b>Part No.</b> A1203B	<b>Part No.</b> A1214B	<b>Part No.</b> A1215B
PLCC 34 x 34	QFP 35 x 35	SOJ 10 x 26	QFP 42.5 x 42.5
Price 396.13	Price 327.71	Price 144.05	Price 327.71



### Vacuum Function Operative Nozzles, continued

											
<b>Part No.</b> A1257B	SOP 11 x 21	Price 144.05	<b>Part No.</b> A1258B	SOP 7.6 x 12.7	Price 205.99	<b>Part No.</b> A1263B	QFP 28 x 40	Price 285.22	<b>Part No.</b> A1264B	QFB 40 x 40	Price 285.22
											
<b>Part No.</b> A1265B	QFP 32 x 32	Price 144.05	<b>Part No.</b> A1470	BGA 8 x 8	Price 486.00	<b>Part No.</b> A1471	BGA 12 x 12	Price 486.00	<b>Part No.</b> A1472	BGA 13 x 13	Price 486.00
											
<b>Part No.</b> A1473	BGA 15 x 15	Price 180.06	<b>Part No.</b> A1474	BGA 18 x 18	Price 180.06	<b>Part No.</b> A1475	BGA 27 x 27	Price 180.06	<b>Part No.</b> A1476	BGA 35 x 35	Price 180.06
											
<b>Part No.</b> A1477	BGA 38 x 38	Price 180.06	<b>Part No.</b> A1478	BGA 40 x 40	Price 180.06						

### Standard Nozzles (Non Vacuum Function Type)

											
<b>Part No.</b> A1124B	Single ø2.5	Price 26.65	<b>Part No.</b> A1130	Single ø4.4	Price 30.97	<b>Part No.</b> A1131	SOP 4.4 x 10	Price 144.05	<b>Part No.</b> A1132	SOP 5.6 x 13	Price 144.05
											
<b>Part No.</b> A1133	SOP 7.5 x 15	Price 144.05	<b>Part No.</b> A1134	SOP 7.5 x 18	Price 144.05	<b>Part No.</b> A1142B	Bent Single 1.5 x 3	Price 84.27	<b>Part No.</b> A1183	SOJ 15 x 8	Price 285.22
											
<b>Part No.</b> A1190	Dual Single 2.5 x 9.5	Price 205.99	<b>Part No.</b> A1191	SIP 25L	Price 327.71	<b>Part No.</b> A1192	SIP 50L	Price 327.71	<b>Part No.</b> A1325	Dual Single ø 1.5 x 5-10 Adjustable Pitch	Price 272.07

If you did not find what you were looking for, please call our sales team now!

**Hakko Futuremodule ESD SAFE**



- A single station plays all roles of soldering, desoldering and SMD rework
- Powerful thermal recovery
- Easy thermal adjustment; just inserting the tip into the process gate located on the left side of the front panel, automatically adjusts the accurate temperature setting
- Auto power shut-off.
- Indicates by buzzer and/or display when various errors occur
- ESD safe by design

Part No.	Description	Price
<b>FM202-15</b>	Soldering Station excluding tip	396.13

**Optional Accessories for FM202-15**



**Tips for FM-202**

Part No.	Description	Price	Part No.	Description	Price	Part No.	Description	Price	Part No.	Description	Price
<b>T7-B</b>	Shape B	24.84	<b>T7-B2</b>	Shape 0.5B	24.84	<b>T7-LB</b>	Shape LB	24.84	<b>T7-BC1</b>	Shape 1BC	24.84
									<b>T7-BCF1*</b>	Shape 1BC	24.84

Part No.	Description	Price	Part No.	Description	Price	Part No.	Description	Price	Part No.	Description	Price
<b>T7-BC2</b>	Shape 2BC	24.84	<b>T7-BC3</b>	Shape 3BC	24.84	<b>T7-C1</b>	Shape 1C	24.84	<b>T7-C4</b>	Shape 4C	24.84
<b>T7-BCF2*</b>	Shape 2BC	24.84							<b>T7-CF4*</b>	Shape 4C	24.84

Part No.	Description	Price	Part No.	Description	Price	Part No.	Description	Price	Part No.	Description	Price
<b>T7-D08</b>	Shape 0.8D	25.99	<b>T7-D12</b>	Shape 1.2D	25.99	<b>T7-D16</b>	Shape 1.6D	24.84	<b>T7-D24</b>	Shape 2.4D	24.84

Part No.	Description	Price	Part No.	Description	Price	Part No.	Description	Price	Part No.	Description	Price
<b>T7-D23</b>	Shape 3.2D	24.84	<b>T7-D4</b>	Shape 4D	24.84	<b>T7-D52</b>	Shape 5.2D	24.84	<b>T7-I</b>	Shape I	25.99

Part No.	Description	Price	Part No.	Description	Price	Part No.	Description	Price	Part No.	Description	Price
<b>T7-LI</b>	Shape LI	25.99	<b>T7-J2</b>	Shape 0.2RSB	25.99	<b>T7-JL02</b>	Shape 0.2RLB	25.99	<b>T7-JS02</b>	Shape 0.2RSSB	25.99

Part No.	Description	Price	Part No.	Description	Price	Part No.	Description	Price	Part No.	Description	Price
<b>T7-K</b>	Shape K	29.74	<b>T7-KF</b>	Shape KF	32.05	<b>T7-KL</b>	Shape KL	29.74	<b>T7-KU</b>	Shape KU	29.74

Part No.	Description	Price	Part No.	Description	Price
<b>T7-1401</b>	Spatula 15.7	36.52	<b>T7-1404</b>	Spatula 40	110.59

\*These tips are tinned on the soldering surface only

**FM-203**



- Power save function
- Auto power shut-off function
- Two connection ports for simultaneous use of two handpieces
- N2 system can be incorporated with an optional handpiece (HAKKO FM2026)
- Selectable buzzer and alert ON/OFF setting
- Excellent thermal recovery with the use of composite tip

Part No.	Description	Price
FM203	Dual port soldering station	695.00

**Hakko Mini Parallel Remover ESD SAFE**



- Standard or reverse tweezers action can be selected with a switch lever
- Equipped with a small ergonomic grip

**LEAD FREE**

Part No.	Description	Price
FM2023	Mini Parallel Remover - excludes tip set	365.00

**Tip Set for FM2023 Mini Parallel Remover 1 Set 2pcs**

Part No.	Description	Price	Part No.	Description	Price
T9-I	Chip 1	151.25	T9-L1	Chip 1L	151.25

Part No.	Description	Price
T9-L2	Chip 2L	151.25

If you did not find what you were looking for, please call our sales team now!

**Hakko Parallel Remover ESD SAFE**



- Unique parallel movement of tips allows easy removal
- Direct heating prevents damage to neighboring sensitive components comparing with hot air
- Can be used for chips and flat packages up to 25mm in size

**LEAD FREE**

Part No.	Description	Price
FM2022	Parallel Remover excluding tip set	276.06

**Tip Set for FM2022 Parallel Remover 1 Set 2pcs**

Part No.	Description	Price	Part No.	Description	Price
T8-1001	Chip 0.51	93.63	T8-1002	Chip 0.5C	114.16
T8-1003	Chip 1L	114.16	T8-1004	Chip 2L	114.16
T8-1005	SOP 6L	114.16	T8-1006	SOP 8L	114.16
T8-1007	SOP 10L	114.16	T8-1008	SOP 13L	118.48
T8-1009	SOP 16L	118.48	T8-1010	SOP 20L	118.48
T8-1011	SOP 25L	118.48	T8-1012	SOP 18L	122.08



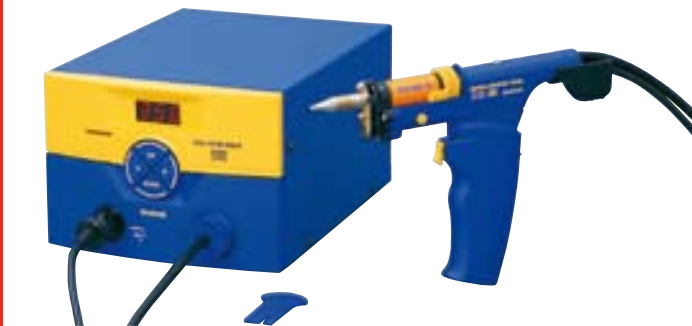
## Hakko Desoldering Tool ESD SAFE

- Small ergonomic style grip with light weight provides fatigueless work
- New design with reduces distance between the nozzle end and filter pipe prevents clogging by sucked solder
- Easy maintenance: - Uses disposable paper filter pipes
- One-touch nozzle replacement
- Detachable handle allows two-way use:- gun type or straight type
- Safe design:- Equipped with a nozzle lock function. Nozzles can be safely replaced with the nozzle remover
- Requires compressed air



Part No.	Description	Price
FM2024-17	Desoldering Control Box and Tool W/out Nozzle	815.10
A1511	Disposable Filter Pipe Assembly.Pack of 10	30.12

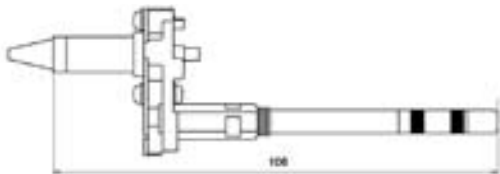
## FM-204



- New design with reduced distance between the nozzle end and filter pipe prevents clogging of sucked solder
- Easy maintenance
- Detachable handle allows two-ways use - Gun Type or Straight type
- Equipped with a nozzle lock function
- Sleep function
- Auto power shut-off function
- Excellent thermal recovery with nozzle integrated with heater and sensor

Part No.	Description	Price
FM204	Lead Free desoldering station	975.00

## Tips for FM-2024



<b>Part No.</b> N1-06	<b>Part No.</b> N1-08
Nozzle 0.6mm	Nozzle 0.8mm
Price 49.67	Price 49.67

<b>Part No.</b> N1-10	<b>Part No.</b> N1-13
Nozzle 1.0mm	Nozzle 1.3mm
Price 42.16	Price 42.16

<b>Part No.</b> N1-16	<b>Part No.</b> N1-20
Nozzle 1.6mm	Nozzle 2.0mm
Price 42.16	Price 42.16

## Tips for FM-2024 continued

<b>Part No.</b> N1-23	<b>Part No.</b> N1-10L
Nozzle 2.3mm	Nozzle 1.0mm Long
Price 42.16	Price 82.01

## Hakko Desoldering Station ESD SAFE

- The HAKKO 474 is a powerful desoldering station equipped with either the 809 gun suitable for conventional desoldering or the 815 gun for lead free work
- With very low maintenance required for either styles it is the perfect choice for production line work ESD safe



Part No.	Description	Price
474-10	474 Desoldering Station with 809 Gun	953.34
A1313	Spare Element	96.80

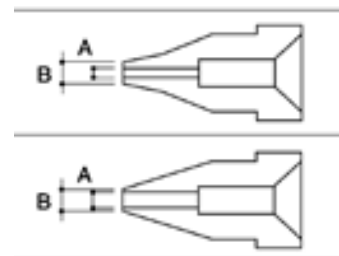
## Hakko Repair System ESD SAFE

- The all-in-one systems for soldering and desoldering
- ESD safe by design
- Compact design for minimum use of bench space
- All the features of the 936-48 and 474-10 combined to offer you a perfect package



Part No.	Description	Price
701-10	Repair System Complete	1158.63

## Nozzles for 809 Gun



Part No.	A	B	Style	Price
A1002	0.8	1.8	Slim	33.89
A1003	1.0	2.0	Slim	33.89
A1004	0.8	2.3	Standard	33.89
A1005	1.0	2.5	Standard	33.89
A1006	1.3	3.0	Standard	33.89
A1007	1.6	3.0	Standard	33.89

## Spare Filters for 809/815

Part No.	Description	Price
A1030	Pack of 10 Spring Filters	19.62
A1033	Pack of 10 Paper Filters Large	13.08
A1009	Pack of 10 Paper Filters Small	13.08
B2073	Filter Pipe with Filters	20.27

## Hakko Desoldering Station ESD SAFE

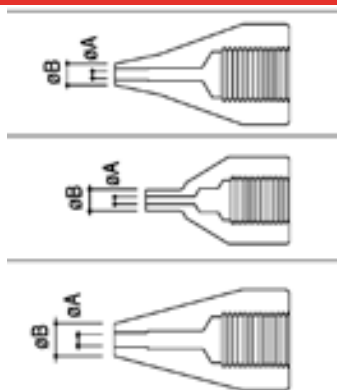


- The HAKKO 474 is a powerful lead-free desoldering station equipped with either the 809 gun suitable for conventional desoldering or the 815 gun for lead free work
- With very low maintenance required for either styles it is the perfect choice for production line work ESD safe

LEAD FREE

Part No.	Description	Price
474-62	474 Desoldering Station with 815 Lead Free Gun	953.33
A1505	Spare Element	42.52

## Nozzles for 815 Gun



Part No.	A	Description	B	Price
A1496	0.8		1.8	42.52
A1499	1.0		2.0	42.52
A1497	0.8		2.3	42.52
A1498	0.8		2.3	42.52
A1500	1.0		2.5	42.52
A1501	1.3		3.0	42.52
A1502	1.6		3.0	42.52
A1503	2.0		3.6	42.52

## Hakko FX-888 Soldering Station

- The FX-888 is the successor to the well known Hakko 936, providing 30% improved power - 65W
- The thermal recovery time to 350° is 20 seconds quicker



Part No.	Description	Price
FX-888	Lead Free Soldering Station	183.33

## Hakko 936 Solder Station ESD SAFE

- The HAKKO 936 is well accepted as an industry standard solder station for trouble free operation, supplied complete with the light weight easy to use 907 soldering pencil



Part No.	Description	Price
936-48	Hakko 936 Station complete	Discontinued

## Hakko 950 SMD Hot Tweezer ESD SAFE



- Available for your HAKKO 936, 937, 701, 702B, 928 stations
- Direct heating; less influence upon surrounding components on crowded boards
- Easy removes SMD chips and flat pack's up to 25mm
- The collet allows easy replacement and alignment of the tips









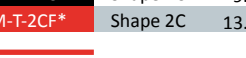








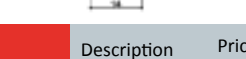

Part No.	Description	Price
C1311/13	Tweezer and Stand	220.00

## Spare Tips for 936-48 Soldering Iron

Part No.	Description	Price	Part No.	Description	Price
900M-T-0.8C	Shape 0.8C	9.03	900M-T-1C	Shape 1C	13.19
			900M-T-1CF*	Shape 1C	13.19
900M-T-3C	Shape 3C	9.03	900M-T-4C	Shape 4C	9.03
900M-T-3CF*	Shape3C	9.03	900M-T-4CF*	Shape 4C	9.03
900M-T-1.6D	Shape 1.6D	9.03	900M-T-2.4D	Shape 2.4D	9.03
900M-T-1.8H	Shape 1.8H	16.48	900M-T-I	Shape I	9.03

\*These tips are tinned on the soldering surface only

### Spare Tips for 936-48 Soldering Iron

	
<b>Part No.</b> 900M-T-1.2LD	<b>Part No.</b> 900M-T-2LD
<b>Description</b> Shape 1.2LD	<b>Description</b> Shape 2LD
<b>Price</b> 13.19	<b>Price</b> 14.93
	
<b>Part No.</b> 900M-T-S3	<b>Part No.</b> 900M-T-S4
<b>Description</b> Shape S3	<b>Description</b> Shape S4
<b>Price</b> 9.69	<b>Price</b> 9.03
	
<b>Part No.</b> 900M-T-B	<b>Part No.</b> 900M-T-0.5C
<b>Description</b> Shape B	<b>Description</b> Shape 0.5C
<b>Price</b> 9.03	<b>Price</b> 13.19
	
<b>Part No.</b> 900M-T-1.5CF*	<b>Part No.</b> 900M-T-2C
<b>Description</b> Shape 1.5C	<b>Description</b> Shape 2C
<b>Price</b> 13.19	<b>Price</b> 9.03
	
<b>Part No.</b> 900M-T-2CF*	
<b>Description</b> Shape 2C	
<b>Price</b> 13.19	
	
<b>Part No.</b> 900M-T-0.8D	<b>Part No.</b> 900M-T-1.2D
<b>Description</b> Shape 0.8D	<b>Description</b> Shape 1.2D
<b>Price</b> 9.03	<b>Price</b> 9.03
	
<b>Part No.</b> 900M-T-3.2D	<b>Part No.</b> 900M-T-H
<b>Description</b> Shape 3.2D	<b>Description</b> Shape H
<b>Price</b> 9.03	<b>Price</b> 14.93
	
<b>Part No.</b> 900M-T-K	<b>Part No.</b> 900M-T-LB
<b>Description</b> Shape K	<b>Description</b> Shape LB
<b>Price</b> 19.90	<b>Price</b> 13.19
	
<b>Part No.</b> 900M-T-R	<b>Part No.</b> 900M-T-RT
<b>Description</b> Shape R	<b>Description</b> Shape RT
<b>Price</b> 19.20	<b>Price</b> 19.20
	
<b>Part No.</b> 900M-T-SB	<b>Part No.</b> 900M-T-SI
<b>Description</b> Shape SB	<b>Description</b> Shape SI
<b>Price</b> 13.19	<b>Price</b> 9.03


\*These tips are tinned on the soldering surface only

### Metcal Handpieces




Part No.	Description	Style	Price
407-825	SP200 Handpiece	SP-HC1	149.04
406-022	MX500 Handpiece	MX-RM3E	235.98

### Metcal SP200 Replacement Tips



Part No	Size and Shape	Temp f	Price
SSC-613A	1/8" .300"	90° Chisel 600	40.95
SSC-713A	1/8" .300"	90° Chisel 700	40.95
SSC-636A	3/32" .385"	30° Chisel 600	36.30
SSC-736A	3/32" .385"	30° Chisel 700	36.30
SSC-637A	1/16" .385"	30° Chisel 600	36.30
SSC-737A	1/16" .385"	30° Chisel 700	36.30
SSC-638A	3/64" .400"	30° Chisel 600	36.30
SSC-738A	3/64" .400"	30° Chisel 700	36.30
SSC-625A	1/32" .425"	30° Chisel 600	36.30
SSC-725A	1/32" .425"	30° Chisel 700	36.30
SSC-601A	1/32" .594"	Conical Sharp 600	36.30
SSC701A	1/32" .594"	Conical Sharp 700	36.30
SSC-642A	1/16" .628"	60° Chisel 600	40.95
SSC-742A	1/16" .628"	60° Chisel 700	40.95
SSC-622A	1/64" .445"	Conical Sharp 600	36.30
SSC-722A	1/64" .445"	Conical Sharp 700	36.30
SSC-626A	1/64" .445"	Sharp Bent 30° 600	36.30
SSC-726A	1/64" .445"	Sharp Bent 30° 700	36.30
SSC-645A	1/64" .746"	Conical Sharp 600	36.30
SSC-745A	1/64" .746"	Conical Sharp 700	36.30
SSC-639A	1/8" .700"	Multi-Lead 600	59.15
SSC-739A	1/8" .700"	Multi-Lead 700	59.15

### Metcal MX500 Replacement Tips



Part No	Size and Shape	Temp f	Price
STTC-017	200°	600	52.90
STTC-117	X Large Chisel	700	52.90
STTC-036	.100" 30°	600	52.90
STTC-136	Chisel	700	52.90
STTC-037	.070" 30°	600	52.90
STTC-137	Chisel	700	52.90
STTC-038	.060" 30°	600	52.90
STTC-138	Chisel	700	52.90
STTC-025	.040" 30°	600	52.90
STTC-125	Chisel	700	52.90
STTC-022	.016" Conical	600	52.90
STTC-122	Sharp	700	52.90
STTC-043	.020" Conical	600	52.90
STTC-143	Sharp	700	52.90
STTC-047	.070" 60°	600	52.90
STTC-147	Bevel	700	52.90
STTC-045	.016" 60°	600	52.90
STTC-145	Bevel	700	52.90
STTC-041	.050" Conical	600	52.90
STTC-141	Bent 30°	700	52.90
STTC-044	.020" Conical	600	52.90
STTC-144	Sharp Bent 30°	700	52.90
STTC-040	.016" Conical	600	52.90
STTC-140	Sharp Bent 30°	700	52.90
STTC-026	.016"	600	52.90
STTC-126	Sharp Bent 30°	700	52.90

### Weller Mains, Magnastat Irons



Weller 220V Magnastat Irons

- Temperature controlled mains soldering irons for all day use on production lines where static sensitive components are not involved.

Part No.	Description	Price
W 60D	60W Magnastat Iron	133.25
W 100D	100W Magnastat Iron	149.94

## Weller Replacement Soldering Tips

PT Series suit WTCPS/T stations and TC Series soldering pencils + ET Series to suit WES51D

1)	2)	Description	Fig.	Tip Size	Reach
ETA	PTA7	Screwdriver		1.6mm	15.9mm
ETAA	PTAA7	Single Flat		1.6mm	15.9mm
EB	PTB7	Screwdriver		2.4mm	15.9mm
ETBB	PTBB7	Single Flat		2.4mm	15.9mm
ETC	PTC7	Screwdriver		3.2mm	15.9mm
ETCC	PTCC7	Single Flat		3.2mm	15.9mm
ETD	PTD7	Screwdriver		4.7mm	15.9mm
ETDD	PTDD7	Single Flat		4.7mm	15.9mm
ETH	PTH7	Screwdriver		0.8mm	15.9mm
ETK	PTK7	Long Screwdriver		1.2mm	25.4mm
ETL	PTL7	Long Screwdriver		2.0mm	25.4mm
ETM	PTM7	Long Screwdriver		3.2mm	25.4mm
ETO	PTO7	Long Conical		0.8mm	25.4mm
ETP	PTP7	Conical		0.8mm	15.9mm
ETR	PTR7	Narrow Screwdriver		1.6mm	15.9mm
ETS	PTS7	Long Conical		0.4mm	25.4mm
ETT	PTT7	Conical		0.6mm	15.9mm
ETGW	-	Mini Wave Tip		-	-

NOTE- Type 7 Solder Tips for WTCPT soldering stations are 700°F (370°C). For higher temperature requirement use Type 8, which is 800°F (427°C). For Type 8, change Part No. to PT...8, eg. PTA8

PRICES	
ET TIPS FOR WECPT	\$ 9.35
PT TIPS FOR WTCPT	\$ 8.70

## LT Tip Chart for WP & O

Part No.	Description	Fig.	Size 1	Reach	Price
LT1	Round		0.25	12.5	11.30
LT1L	Round		0.2	25	14.70
LT1LX	Bent Round		0.2	25	14.70
LT1S	Round		0.2	15	11.30
LT1SLX	Bent Round		0.4	20.5	14.70
LT1X	Bent Round		0.4	20.5	11.30
LT4	Single Flat		1.2	15	10.50
LT4X	Bent Chisel		1.2	16.5	20.90
LTA	Chisel		1.6	12.5	11.30
LTAS	Round		1.6	12.5	11.30
LTAX	Bent Chisel		1.6	14	14.70
LTB	Chisel		2.4	12.5	14.70
LTC	Chisel		3.2	12.5	11.30
LTD	Chisel		4.6	12.5	11.30
LTGW	Gull Wing		3.2	17.8	22.70
LTF	Single Flat		1.2	12.5	10.30
LTH	Chisel		0.8	12.5	10.30
LTHX	Bent Chisel		0.6	20	11.30
LTK	Chisel		1.2	20	11.30
LTKN	Knife (J-Lead)		1.5	20	14.70
LTL	Chisel		2.0	20	14.70
LTM	Chisel		3.2	20	14.70
LTS	Round		0.4	20	10.30

## Hakko Lead Free Soldering Pot

LEAD FREE



- Selectable heating programs allows to get optimum temperature quickly
- Select from four heating programs: Sn-Pb (Tin/Lead), Sn-Ag-Cu (Tin/Silver/Copper), Sn-Cu (Tin/Copper), and Sn (Tin)
- Precise temperature control by digital temperature display & offset function
- Use different pots for different composition solder, or different post sizes (50mm square and 75mm square) with the same unit
- A timer function helps you keep tabs on how long the soldering pot has been in use, making it easy to judge the time for pot replacement

Part No.	Description	Price
FX301	Solder Pot Complete with 50mm Square Pot	844.40
A1517	Spare Pot 50mm x 50mm	61.50
A1518	Spare Pot 75mm x 75mm	66.06

Part No.	Description	Price
HPLFB	96.5/3 0/0.5 Lead Free Solder Bar	TBA
HPLFG	96.5/3.0/0.5 Solder Granules	TBA

## Hakko Soldering Pot ESD SAFE



- Large capacity solder pot holds a larger amount of solder, the solder temperature remains high even during continuous soldering operations
- The stainless steel solder pot and other heavy duty components offer greater durability, while the solder overflow prevention rim around the pot provides greater safety
- The raised rim around the pot enhances soldering and desoldering efficiency
- A waste collector adds a final touch of operating ease and efficiency
- 100 - 450°C

Part No.	Description	Price
96W	Solder Pot 50mm x 50mm	472.15
96-1	Solder Pot 70mm x 70mm	561.61

Part No.	Description	Price
HP6337B	63/37 High Purity Solder Bar	TBA
HP6337G	63/37 Solder Granules	TBA



# Pace Solder Stations

## Pace Solder Station

- Single channel IntelliHeat control technology
- °C/°F Temperature scales
- Temperature adjustment lockout
- ESD grounding jack
- ESD safe metal housing
- Supplied with TD-100 soldering iron



Note: stations available to order only

Part No.	Description	Price
ST 30	Solder Station	478.00

- Single channel IntelliHeat control technology
- Performance level lockout
- ESD grounding jack
- ESD safe metal housing
- Supplied with TD-100 iron
- Supplied with 6.5, 7 and 7.5 power modules



Note: stations available to order only

Part No.	Description	Price
ST 70	Solder Station	1620.00

- Temperature range of 100° to 900°F
- 3 continuously active handpiece channels
- Channels can be programmed individually
- LCD screen can display the temperature of one or all three channels
- Lead free compatible



Note: stations available to order only

Part No.	Description	Price
MBT 350	Solder Station	3350.00

## Pace PS90 Handpiece

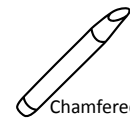
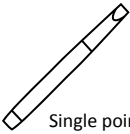
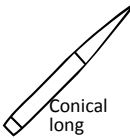
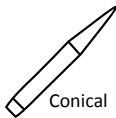
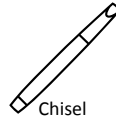


Part No.	Description	Price
420-190	Replacement PS90 Handpiece	265.00

## Tips for PS90, PS80, SP2A and IR70

NOTE- All tips are sold in packs of 5 only

Part No.	Model	Shape		Price
130-209	1121-0358-P5	3/16" Chisel	5	78.67
112-187	1121-0337-P5	1/8" Chisel	5	78.67
112-185	1121-0335-P5	1/16" Chisel	5	78.67
113-691	1121-0349-P5	1/16" Taper Micro	5	78.67
112-216	1121-0499-P5	1/16" Long Chisel	5	78.67
130-217	1121-0500-P5	1/16" Long Bent	5	98.55
112-205	1121-0414-P5	1/16" Hi Capacity	5	78.67
112-191	1121-0359-P5	1/32" Chisel	5	78.67
130-210	1121-0361-P5	1/32" Bent Chisel	5	78.67



Part No.	Model	Shape		Price
112-186	1121-0336-P5	1/32" Conical	5	78.67
112-190	1121-0357-P5	1/64" Conical	5	78.67

Part No.	Model	Shape		Price
401-533	1121-0528-P5	1/64" Conical	5	78.67
401-532	1121-0527-P5	1/32" Conical	5	78.67

Part No.	Model	Shape		Price
401-531	1121-0533-P5	1/16" Chisel	5	78.67
401-530	1121-0529-P5	1/8" Chisel	5	78.67

Part No.	Model	Shape		Price
401-294	1121-0510-P5	1/16" Chisel	5	98.55
401-292	1121-0518-P5	1/8" Chisel	5	98.55

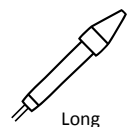
Part No.	Model	Shape		Price
112-204	1121-0406-P5	0.13" Chamfered	5	78.67

## Desoldering Tips for SX80 and SX70

NOTE- All tips are sold in packs of 5 only

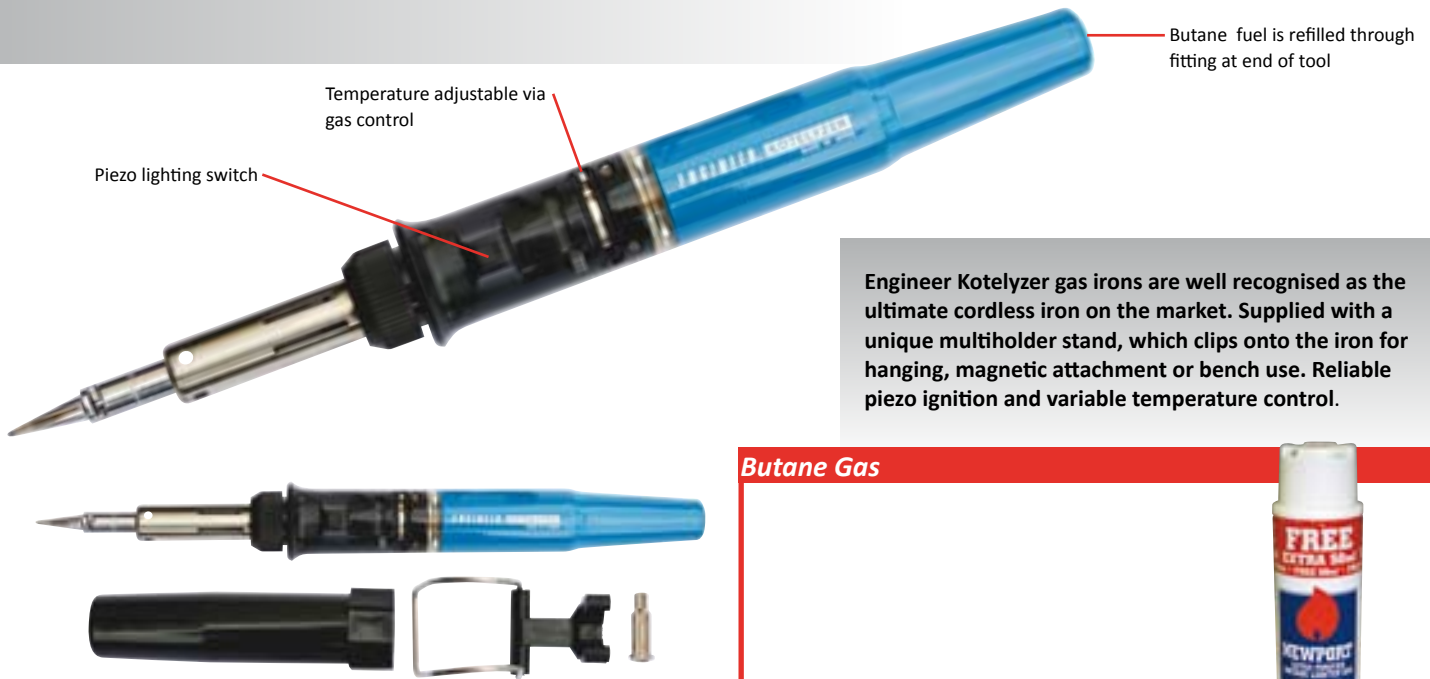
Part No.	Model	I.D. (mm)	O.D. (mm)		Price
412-830	1121-0625-P5	0.76	2.03	5	120.60
412-831	1121-0624-P5	1.02	2.29	5	120.60
412-832	1121-0626-P5	1.52	3.05	5	120.60
412-833	1121-0627-P5	2.29	5.10	5	120.60

Part No.	Model	I.D. (mm)	O.D. (mm)		Price
412-834	1121-0628-P5	0.76	2.29	5	120.60
412-835	1121-0629-P5	1.02	2.54	5	120.60
412-836	1121-0630-P5	1.52	3.05	5	120.60





# Engineer Gas Soldering Irons



Engineer Kotelyzer gas irons are well recognised as the ultimate cordless iron on the market. Supplied with a unique multiholder stand, which clips onto the iron for hanging, magnetic attachment or bench use. Reliable piezo ignition and variable temperature control.

## Butane Gas



Gas for Piezo Cordless Soldering  
Use only filtered butane gas in piezo irons.

Part No.	Description	Price
NP 300	Butane Gas, 300ml	8.50

- Heavy Duty Cordless Soldering**
- Rugged unit for field service and maintenance where instant heat is required
  - Flameless and safe heat generating system by patented gas catalyst reaction
  - Hot blow for heat shrinking applications
  - Supplied with convenient, magnetic multistand and protective shroud
  - About 3 hours operation on one gas fill

Part No.	Description	Price
SKC 70	Heavy duty cordless iron	211.25
SK 71	Tip, tapered 1mm needle	23.13
SK 72	Tip, chisel 3.3mm	23.13
SK 73	Tip, chamfered 2mm	23.13
SK 74	Tip, chamfered 3mm	23.13
SK 75	Tip, tapered 0.5mm needle	23.13
SK 82	Hot blow tip, 1.5mm diameter	28.10
SK 83	Hot blow tip, 3.3mm diameter	23.13
SK 84	Hot blow tip, 4.9mm diameter	23.13
SK 94	Heatshrink deflector	7.20
SK 96	Ceramic unit	42.00

## Portasol Piezo Kit



- Portasol Piezo Kit**
- Gas soldering iron supplied in box with sponge
  - Comes with hot knife tip

Part No.	Description	Price
PSI 100K	Portasol Kit	177.00

## Engineer Compact Piezo Iron



- Compact Cordless Soldering**
- Lightweight, compact version for where accessibility may be limited
  - Flameless and safe heat generating system by patented gas catalyst reaction
  - Hot blow for heat shrinking applications
  - Supplied with convenient multistand and protective shroud
  - About 1 hour operation on one gas fill

Part No.	Description	Price
SKA 60	Compact cordless iron	123.75
SK 61	Tip, tapered 1mm needle	23.40
SK 62	Tip, chisel 2.4mm	23.40
SK 63	Tip, chamfered 2mm	23.40
SK 64	Tip, chisel 5mm	23.40
SK 65	Hot blow tip, 1.5mm diameter	28.13
SK 66	Hot blow tip, 4.7mm diameter	23.40
SK 67	Hot knife	28.13
SK 68	Ceramic unit	39.94

## Hakko Rechargeable Iron



- This innovative battery powered solderer iron is perfect for hobby, field service and repair applications. Quick and easy replacement tips which simply plug in.

Part No.	Description	Price
FX901	Cordless Iron	100.59
T1-B	Replacement Tip, 0.5mm round	29.29
T1-D4	Replacement Tip, 4.0mm chisel	29.29