



CATALOG

Quality Tools for the electronics Industry

HAKKO FX-951 **ESD**
SOLDERING STATION **SAFE**

350

- Soldering
- Rework
- Desoldering
- Smoke Absorber
- Static Control
- Heating Gun
- Glue Gun
- Other Tools

**“To deliver excitement to our customers”
This statement reflects Hakko’s ideal.**

In creating products, we not only make products as a manufacturer, but also add hospitality, in order to express our ideal of delivering excitement to our customers. The ideal is also our basis for continuing to meet the challenges of creating new possibilities.

Hakko’s products offer the best soldering for any component, in any environment, from the latest electronics to hobbies and crafts. Each genre is expanding without limits as the 21st century technology continues to advance and the world becomes increasingly borderless.

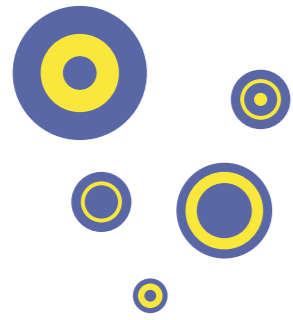
We give form to ideas beyond the norm by facing the user’s true needs with a welcoming feeling. Hakko confidently introduces soldering irons and related equipment with world class quality, starting with the new products designed in Blue & Yellow.



The Blue which inherited from the HAKKO corporate blue, this expresses both the tradition that we continue and the beauty of the global environment.

The Yellow which is resonating with HAKKO corporate blue, this yellow express the imagination of every single employee and our team spirit.

HAKKO BLUE & YELLOW



FRIENDLY innovation



Blue meets yellow
GREEN PROJECT

Not only has Hakko been approved by ISO 9001 & 14000, but we are also conducting our own campaigns. We are involved in improving quality through 3 “friendlies.”

“Hakko is friendly to customers”

We always strive to take on the perspective of our customers and think outside the normal frameworks to deliver products that amaze and excite customers.

“Hakko is friendly to society”

We take the environment into careful consideration when creating the products so that people and nature co-exist. In addition, each individual carries out activities that are valuable to the society.

“Hakko employees are friendly to each other”

Teamwork is very important in order to deliver the products that excite the customers. Creative power stems from the relations among the employees as well as between the Hakko international groups.

Hakko, as a specialized manufacturer of soldering irons, has established the Green Project.

We promote the development of products that are friendly to the environment (e.g., conforming to the EU RoHS directives, etc.), starting with products compatible with lead-free soldering.

We rapidly respond to the latest needs of our customers. Our lineup of products, including new products designed in Blue & Yellow and products compatible with lead-free soldering (e.g., soldering irons for various purposes, desoldering stations, etc.), could only be offered by a specialized manufacturer like Hakko.

Furthermore, our Green Project not only eliminates the hazardous materials from the products, but also aims to expand our activities so that our business is friendly to the people and the society. Hakko is always moving forward with our eyes on the future to deliver products that excite customers throughout the world.



Our company has been certified under ISO 9001 (JIS Z 9901), the international quality system standards. We are also certified under ISO 14001 (JIS Q 14001) and are actively involved in preserving the global environment.



Quality Tools for the electronics Industry



*The MODEL FM-2024 is not included with the MODEL FM-202 station.

- Small ergonomic style grip with light weight provides fatigueless work.
- New design with reduced distance between the nozzle end and filter pipe prevents clogging by sucked solder.
- Easy maintenance:–
Uses disposable paper filter pipes. Allows paper and solder to be disposed of separately.
One-touch nozzle for replacement. Nozzle can be replaced safely with the provided nozzle remover.
- Detachable handle allows two-way use: gun type or straight type.
- Safe design:–
Equipped with a nozzle lock function. Inserting a nozzle into the grip automatically locks it in place and prevents the nozzle cartridge from being pulled out suddenly.

Simple and Safe Nozzle Replacement



Detach the nozzle remover.



Insert the nozzle remover into the nozzle cartridge.



Press the nozzle lock release button on the back side.



Pull out the nozzle to replace.

Specifications

Desolder Control Box

Power Consumption	12W
Output Voltage	AC 24V
Vacuum Generator	Ejector Type
Vacuum Pressure (Max.)	93KPa (700mmHg)
Suction Flow	28ℓ/min
Nozzle to Ground Potential	< 2mV
Applied Air Pressure	490KPa (5.0kgf/cm ²) when in use (trigger or button is pressed)
Compressed Air Consumption	1.62 c.f.m.(46ℓ/min)
Dimension (w/o cord)	119(W) x 45(H) x 172(D)mm
Weight (w/o cord)	1.2kg

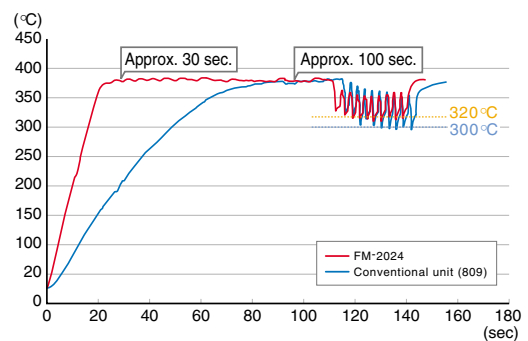
MODEL FM-2024 Desoldering Tool

Power Consumption	70W (24V)
Temperature Range	350-450°C
Nozzle to Ground Potential	<2mV
Nozzle to Ground Resistance	<2
Total Length (w/o cord)	180mm
Weight (w/o cord & hose)	65g
Cord	1.2m

Optional Nozzles

Please refer to page 9.

Comparison between FM-2024 and conventional unit (809)



Packing List

Model Name	Contents
HAKKO MODEL FM-2024	Desoldering tool (MODEL FM-2024)1
	Desolder control box (DCB)1
	Iron holder assembly1
	Handle for gun configuration1
	Cleaning sponge1
	Nozzle remover1
	Filter pipe assembly1
	Cleaning drill (for heating element)1
	*Nozzle is an optional part.

HAKKO 484

DESOLDERING TOOL



- Complete with an inner pump, which can be easily carried. Therefore, suction work is possible anywhere that there is an electric source available.
- The nozzle and heating core have been specially designed so solder can be absorbed in the filter while it is still in the molten state. Consequently maintenance time has been reduced and work efficiency improved.
- To clean, simply pull the knob to remove the filter pipe. The filter pipe is made of heat-proof transparent glass, therefore the accumulation of solder can be easily checked from the outside.

Specifications

Model No.	484
Power Consumption	60W
Station	
Vacuum Generator	Double Cylinder Type
Vacuum Pressure (Max.)	80KPa (600mmHg)
Suction Flow	10/12ℓ/min (50/60Hz)
Motor Output	12W
Dimensions	135(W) x 75(H) x 180(D)mm
Weight (w/o cord)	2.5kg
Desoldering Gun	
Standard Nozzle	481-T-1.0 (ø1.0mm)
Heating Element	Ceramic Heater
Insulation Resistance	100M
Weight (w/o cord & hose)	230g

Replacement Nozzles

Unit : mm

Part No.	A	B
481-T-0.8	0.8	2.5
481-T-1.0	1.0	2.5
481-T-1.3	1.3	2.5
481-T-1.6	1.6	3.0

Packing List

Model Name	Contents
HAKKO 484	Station1
	Desoldering gun1
	Filter set1
	Cleaning pin for heating core1
	Cleaning pin for ø1.0mm nozzle1
	Cleaning wrench1
	Silicone grease1
	Anti-seizure1
	Iron holder1

HAKKO 808

DESOLDERING TOOL



- The unique Hakko design places the pump and motor above, not inside the grip, so vibration is minimal and the grip is thin and easy to hold.
- The new, miniature, high-performance diaphragm pump is housed in the pump chamber at the rear of the unit. So, pump maintenance is quick and easy—simply remove the cover of the pump chamber.
- The optional carrying case makes it easy to transport the unit to wherever it is needed.

Specifications

Model No.	808
Power Consumption	70W
Motor Output	6.5W
Temperature Range	380-480°C
Standard Nozzle	A1005 (ø1.0mm)
Nozzle to Ground Resistance	< 2
Nozzle to Ground Potential	< 2mV
Vacuum Generator	Double-Cylinder Type
Vacuum Pressure	80KPa (600mmHg)
Suction Flow	10ℓ/min
Dimensions	235(W) x 170(H)mm
Weight (w/o cord)	420g

Replacement Nozzles

Unit : mm

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

Packing List

Model Name	Contents
HAKKO 808	Desoldering gun1
	Filter pipe with filter holder and pre-filter (Alum.)1
	Cleaning pin for nozzle ø1.0mm1
	Cleaning pin for heating element1
	Pre-filter (Alum.)3
	Ceramic paper filter (L)4
	Wrench1

Carrying Case



No. C1099

Iron Holder



No.C1100

HAKKO SPPON

DESOLDERING TOOL



- Light weight and economical design.
- Powerful enough for both occasional and heavy duty desoldering applications efficiently.
- Unique cleaning shaft allows you to clean the nozzle quickly and easily.

Specifications

Model No.	18	18G	20	20G
	---	w/guard	---	w/guard
Absorption Capacity	12cm ³ (12 c.c.)		20cm ³ (20 c.c.)	
Spare Nozzle				

HAKKO WICK

DESOLDERING WIRE



- Regular Type
- Unflux Type
- No Clean Type

Specifications

Regular Type < Flux >

Part No.	Name/Description
FR100-00	HAKKO WICK <REGULAR> 1.5m x 0.6mm
FR100-01	HAKKO WICK <REGULAR> 1.5m x 0.9mm
FR100-02	HAKKO WICK <REGULAR> 1.5m x 1.4mm
FR100-03	HAKKO WICK <REGULAR> 1.5m x 1.9mm
FR100-04	HAKKO WICK <REGULAR> 1.5m x 2.5mm
FR100-05	HAKKO WICK <REGULAR> 1.5m x 3.3mm
87-2-30	HAKKO WICK <REGULAR> 30m x 1.5mm
87-3-30	HAKKO WICK <REGULAR> 30m x 2.0mm
87-4-30	HAKKO WICK <REGULAR> 30m x 2.5mm
87-4-100	HAKKO WICK <REGULAR> 100m x 2.5mm

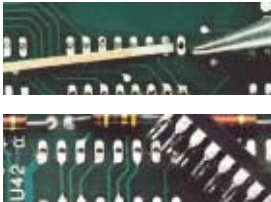
Unflux Type < Unflux >

Part No.	Name/Description
FR110-00	HAKKO WICK <UNFLUXED> 1.5m x 0.6mm
FR110-02	HAKKO WICK <UNFLUXED> 1.5m x 1.4mm
FR110-03	HAKKO WICK <UNFLUXED> 1.5m x 1.9mm
FR110-04	HAKKO WICK <UNFLUXED> 1.5m x 2.5mm
FR110-05	HAKKO WICK <UNFLUXED> 1.5m x 3.3mm

No Clean Type < No Clean Type >

Part No.	Name/Description
FR120-00	HAKKO WICK <NO CLEAN> 1.5m x 0.6mm
FR120-01	HAKKO WICK <NO CLEAN> 1.5m x 0.9mm
FR120-02	HAKKO WICK <NO CLEAN> 1.5m x 1.4mm
FR120-03	HAKKO WICK <NO CLEAN> 1.5m x 1.9mm
FR120-04	HAKKO WICK <NO CLEAN> 1.5m x 2.5mm
FR120-05	HAKKO WICK <NO CLEAN> 1.5m x 3.3mm

Removal for thru-hole...



Removal for bridging...



HAKKO FR-801 ESD SAFE

SMD REWORK STATION



- The air outlet is provided with a new mechanism to reduce the temperature irregularity. Supplies hot air at a stable temperature.
- Comes with an airflow meter to allow more accurate and easier control of flow rate.
- Space-saving design.
- ESD safe by design.

New Mechanism



To reduce temperature irregularity

Specifications

Model No.	FR-801
Power Consumption	100V-310W 110V-360W 120V-430W 220V-570W 230V-630W 240V-680W

Station

Power Consumption	30W (Stand-by power consumption 100-120V 4W, 220-240V 7W)
Capacity (Air blow)	5-20ℓ/min. (Max.)
Temperature Range	100-420°C (Use A1126B)
Dimensions	160(W) x 145(H) x 230(D)mm
Weight (w/o cord)	4kg

Handpiece

Power Consumption	100V-280W 110V-330W 120V-400W 220V-540W 230V-600W 240V-650W
Total Length (w/o hose)	185mm
Weight (w/o hose)	115g

Optional Nozzles

Please refer to page 49.

Packing List

Model Name	Contents
HAKKO FR-801	Station1
	Handpiece1
	Power cord1
	Handpiece holder1
	FP pick-up1
	FP pick-up wire (S)1
	FP pick-up wire (L)1

*Nozzle is an optional part.



- The air outlet is provided with 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 (30 min./60 min./ can be selected) will automatically stop the hot airflow after a specific time passes.
- Comes with the auto cool-down function. If the power is turned off and then 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.

New Mechanism



To reduce temperature irregularity

Specifications

Model No.	FR-802
Power Consumption	100V-310W 110V-360W 120V-430W 220V-570W 230V-630W 240V-680W

Station

Power Consumption	30W (Stand-by power consumption 100-120V 4W, 220-240V 7W)
Capacity (Air blow)	5-20ℓ/min. (Max.)
Temperature Range	100-450°C (Sensor)
Dimensions	160(W) x 145(H) x 230(D)mm
Weight (w/o cord)	4.3kg

Handpiece

Power Consumption	100V-280W 110V-330W 120V-400W 220V-540W 230V-600W 240V-650W
Total Length (w/o hose)	200mm
Weight (w/o hose)	200g

Optional Nozzles

Please refer to page 49.

Packing List

Model Name	Contents
HAKKO FR-802	Station1
	Handpiece1
	Power cord1
	Handpiece holder1
	Control card1
	FP pick-up1
	FP pick-up wire (S)1
	FP pick-up wire (L)1

*Nozzle is an optional part.

HAKKO FR-803 ESD SAFE



- The heating conditions can be recreated due to the sensor feedback temperature control. 3 steps temperature profile can be set, allowing easier control for temperature, flow rate and time. Highly accurate job can be standardized.
- The airflow nozzle is provided with a new mechanism to reduce temperature irregularity.
- Comes with an airflow meter to allow more accurate and easier numerical control of the flow rate.
- The air outlet is equipped with a vacuum pipe.
- Comes with the auto cool down function. If the power is turned off and then continues to supply air until the temperature in the nozzle pipe decreases down to 100°C to protect the heating element.
- The power saving function (30 min/60 min/ can be selected) will automatically stop the hot air-flow after a specific time passes.
- Comes with an offset function.
- Card lock function to lock the setting details.
- Space saving design.
- ESD safe by design.

New Mechanism



To reduce temperature irregularity Easier operation to adjust in the vacuum pipe from the air outlet

Specifications

Model No.	FR-803
Power Consumption	100V-310W 110V-360W 120V-430W 220V-570W 230V-630W 240V-680W

Station

Power Consumption	30W (Stand-by power consumption 100-120V 4W, 220-240V 7W)
Capacity (Air blow)	5-20ℓ/min. (Max.)
Temperature Range	100-420°C (Use A1126B)
Modes	Manual/Auto
Timer	3 file/step
Dimensions	160(W) x 145(H) x 230(D)mm
Weight (w/o cord)	5kg

Handpiece

Power Consumption	100V-280W 110V-330W 120V-400W 220V-540W 230V-600W 240V-650W
Total Length (w/o hose)	200mm
Weight (w/o hose)	200g

Optional Nozzles

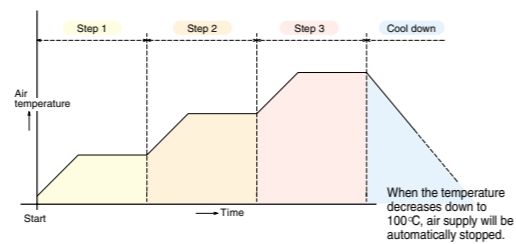
Please refer to page 49.

Packing List

Model Name	Contents
HAKKO FR-803	Station1
	Handpiece1
	Power cord1
	Handpiece holder1
	Control card1
	Vacuum pipe control knob(L)1
	Pad (ø3mm)2
	Pad (ø5mm)2
	Pad (ø7.6mm)2

*Nozzle is an optional part.

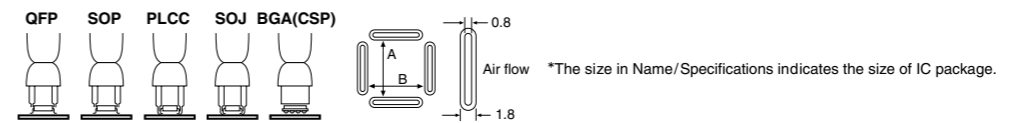
3 steps Temperature Profile



3-step 'temperature and time' are pre-programmed. Sensor feedback temperature control is adopted.

Optional Nozzles

Unit : mm



Vacuum Function Operative Nozzles

*These nozzles are available for the 850B and the 852.
*The vacuum function is not available in the FR-801, the FR-802 and the 850B.

A1125B QFP 10 x 10 A:10.2 B:10.2	A1126B QFP 14 x 14 A:15.2 B:15.2	A1127B QFP 17.5 x 17.5 A:19.2 B:19.2	A1128B QFP 14 x 20 A:15.2 B:21.2	A1129B QFP 28 x 28 A:29.7 B:29.7	A1135B PLCC 17.5 x 17.5 (44 Pins) A:18.5 B:18.5	A1136B PLCC 20 x 20 (52 Pins) A:21 B:21
A1137B PLCC 25 x 25 (68 Pins) A:26 B:26	A1138B PLCC 30 x 30 (84 Pins) A:31 B:31	A1139B PLCC 12.5 x 7.3 (18 Pins) A: 9 B:14	A1140B PLCC 11.5 x 11.5 (28 Pins) A:13 B:13	A1141B PLCC 11.5 x 14 (32 Pins) A:15 B:13	A1180B BQFP 17 x 17 A:18.2 B:18.2	A1181B BQFP 19 x 19 A:19.2 B:19.2
A1182B BQFP 24 x 24 A:24.2 B:24.2	A1184B SOJ 18 x 8 A:12.2 B:12.2	A1185B TSOL 13 x 10 A:11 B:11	A1186B TSOL 18 x 10 A:17 B:17	A1187B TSOL 18.5 x 8 A:18.5 B:18.5	A1259B SOP 13 x 28 A:13.5 B:13.5	A1260B SOP 8.6 x 18 A:8.7 B:8.7
A1261B QFP 20 x 20 A:20.2 B:20.2	A1262B QFP 12 x 12 A:12 B:12.2	A1188B PLCC 9 x 9 (20 Pins) A:11 B:11	A1189B PLCC 34 x 34 (100 Pins) A:36.5 B:36.5	A1203B QFP 35 x 35 A:35.2 B:35.2	A1214B SOJ 10 x 26 A:25.9 B:25.9	A1215B QFP 42.5 x 42.5 A:42.5 B:42.5
A1257B SOP 11 x 21 A:11.7 B:11.7	A1258B SOP 7.6 x 12.7 A:8.2 B:8.2	A1263B QFP 28 x 40 A:27.7 B:39.7	A1264B QFP 40 x 40 A:40.2 B:40.2	A1265B QFP 32 x 32 A:32.2 B:32.2	A1470 BGA 8 x 8 A:9 B:9	A1471 BGA 12 x 12 A:13 B:13
A1472 BGA 13 x 13 A:14 B:14	A1473 BGA 15 x 15 A:16 B:16	A1474 BGA 18 x 18 A:19 B:19	A1475 BGA 27 x 27 A:28 B:28	A1476 BGA 35 x 35 A:36 B:36	A1477 BGA 38 x 38 A:39 B:39	A1478 BGA 40 x 40 A:41 B:41

Vacuum Function Inoperative Nozzles

A1124B Single ø2.5 ø2.5(I.D)	A1130 Single ø4.4 ø4.4(I.D)	A1131 SOP 4.4 x 10 4.8	A1132 SOP 5.6 x 13 5.7	A1133 SOP 7.5 x 15 7.2	A1134 SOP 7.5 x 18 7.2	A1142B Bent Single 1.5 x 3 ø1.5 (I.D)
A1183 SOJ 15 x 8 8	A1190 Dual Single 2.5 x 9.5 ø2.5(I.D)	A1191 SIP 25L 26	A1192 SIP 50L 52.5	A1325 Dual Singleø 1.5 x 5-10 Adjustable Pitch ø1.5 (I.D)	The pitch between the two nozzles is adjustable	

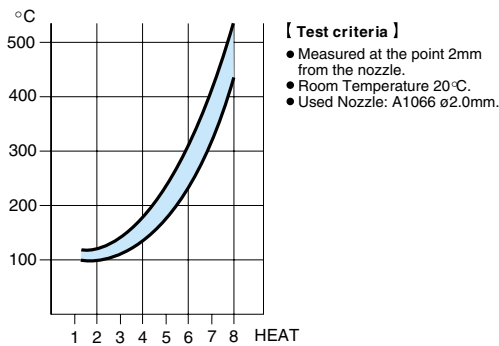


- Adjustable temperature control: 100-540°C.
- Air volume selector switch with ultra-light setting.
- ESD design and grounding measure to minimize damage from current leakage and electrostatic discharge.

Applications

- Soldering and desoldering of small surface-mounted chip components.
- Shrinking tubing, heating tests and other local heating operations.

Temperature Distribution Chart



Specifications

Model No.	851
Power Consumption	85W

Station

Pump	Diaphragm Type
Capacity	6ℓ/min. (Max.)
Dimensions	167 (W) x 101 (H) x 182 (D) mm
Weight (w/o cord)	1.8kg

Iron

Power Consumption	80W
Temperature Range	100-540°C
Standard Nozzle	A1066 (ø2.0mm)
Total Length (w/o hose)	217mm
Weight (w/o hose)	180g

Packing List

Model Name	Contents
HAKKO 851	Station1
	Handpiece1
	Iron holder1

Replacement Nozzles

Part No.	Name/Description
A1065	Nozzle ø1.5mm
A1066	Nozzle ø2.0mm
A1067	Nozzle ø3.0mm
A1147	Nozzle ø1.0mm

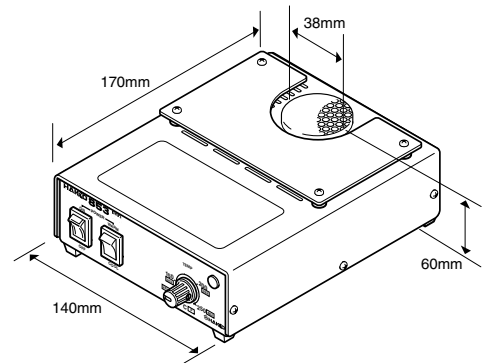
HAKKO 853 PREHEATER **ESD SAFE**



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

Specifications

Model No.	853
Power Consumption	100V-350W 110V-400W 120V-500W 220V-460W 230V-500W 240V-540W
Input Voltage	AC100V-240V
Temperature Range	120-250°C (Above the blow exit)
Air Flow	0.18mm ³ /min. (Fixed)
Dimensions	140(W) x 50(H) x 170(D)mm
Weight (w/o cord)	1kg



SMD-BGA Repair System



Setting example
HAKKO FR-803, HAKKO 853, Rework Fixture, Omnivise

- Combination of HAKKO FR-803 and 853 allows the SMD and BGA rework equipment to set up at a lower price.

Rework Fixture



No. C1392B

The rework fixture is compact and stable. Smooth vertical motion makes operation easy.

Omnivise



No. C1390C

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

Nozzle Tray



No. C1391B

Convenient storage for nozzles. Removal and installation slots make changing nozzles safe, fast and easy.

HAKKO MODEL FM-2022
PARALLEL REMOVER

ESD SAFE

HAKKO MODEL FM-2023
MINI PARALLEL REMOVER

ESD SAFE

ESD SAFE



No. MODEL FM-2022



No. MODEL FM-2023

- Unique parallel movement of tips allows easy removal.
- Direct heating prevents damage to neighboring sensitive components comparing with hot air.

FM-2022:-

- Can be used for chips and flat packages up to 25mm in size.

FM-2023:-

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

*MODEL FM-202, FM-2023 must be used with MODEL FM-202. Please refer to page 6 about MODEL FM-202.

Specifications

Model No.	FM-2022	FM-2023
Power Consumption	140W (24V)	
Temperature Range	200-400°C	
Tip to Ground Resistance	< 2	
Tip to Ground Potential	< 2mV	
Cord	1.2m	
Standard Tip*	—	T9-I
Total Length (w/o cord & tip)	110mm	75mm
Weight (w/o cord)	64g with SOP 25L tip	37g with I tip

*Tips for MODEL FM-2022 are optional part.

Packing List

Model Name	Contents
HAKKO MODEL FM-2022	Parallel remover (MODEL FM-2022)1
	Holder clip1
	Heat resistant pad1
	Cleaning sponge1
HAKKO MODEL FM-2023	Mini parallel remover (MODEL FM-2023)1
	Holder clip1
	Component bed1
	Tip ID number key1
	Heat resistant pad1
	Cleaning sponge1

Replacement Tips

Please refer to page 9.

Set Up



*The MODEL FM-2022 and FM-2023 are not included with the MODEL FM-202 station.



- 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.

*The HAKKO 950 is not included with the stations.

Operation **Easy Replacement of Tip** **Easy Alignment of Tip** **Recommended Iron Holder**



No.C1313

Specifications

Output Voltage	AC 24V
Power Consumption	50W
Temperature Range	200-400°C
Standard Tip	A1378 (Chip 2L)
Tip to Ground Resistance	< 2
Tip to Ground Potential	< 2mV (Typ.0.6mV)
Heating Element	Ceramic Heater
Total Length (w/o cord)	186mm
Weight (w/o cord)	93g

Packing List

Model Name	Contents
HAKKO 950	SMD hot tweezers1
	Heat resistant pad1
	Tip alignment tool1

Replacement Tips

Unit : mm

	Part No.	Name	A(a)	T	H	Size A (a) x T (Thickness) x H (Height)
CHIP	A1379	Tip/Chip 1L	1.0	1.0	13.0	
	A1378	Tip/Chip 2L	2.0	1.0	13.0	
	A1388	Tip/Chip 0.5C	1.5(0.5)	1.0	13.0	
	A1389	Tip/Chip 0.5I	R0.25		18.5	
SOP	A1390	Tip/Chip 4L	4.0	1.0	8.0	
	A1391	Tip/Chip 6L	6.0	1.0	8.0	
	A1380	Tip/Chip 8L	8.0	1.0	8.0	
	A1381	Tip/Chip 10L	10.0	1.0	8.0	
	A1382	Tip/Chip 13L	13.0	1.0	8.0	
	A1392	Tip/Chip 15L	15.0	1.0	8.0	
	A1383	Tip/Chip 18L	18.0	1.0	8.0	
	A1384	Tip/Chip 20L	20.0	1.0	8.0	
	A1385	Tip/Chip 25L	25.0	1.0	8.0	



Not carried by WEB site

- The economical iron for desoldering flat packages.
- The answer to every professional engineering need.
- The ceramic heating element provides faster heat transmission and excellent insulation.



Specifications

Model No.	924
Power Consumption	55W
Heating Element	Ceramic Heater
Insulation Resistance	> 100m
Total Length (w/o cord)	210mm
Weight (w/o cord)	60g

*Tip is an optional part.

Optional Tips

Please refer to page 21 (for SMD Desoldering).



- The all-in-one systems for soldering and desoldering.
- ESD safe by design.
- Compact design for minimum use of bench space.

Specifications

Model No.	701
Power Consumption	150W

Station

Soldering	Output Voltage	AC 24V
	Temperature Range	200-480°C
Desoldering	Output Voltage	AC 24V
	Vacuum Generator	Double Cylinder Type
	Vacuum Pressure	80KPa (600mmHg)
	Motor Output	12W
	Temperature Range	380-480°C
	Suction Flow	15ℓ/min
Dimensions	190(W) x 130(H) x 250(D)mm	
Weight (w/o cord)	5kg	

Soldering Iron

Model No.	907-ESD
Power Consumption	24V/50W
Standard Tip	900M-T-B (Shape-B)
Tip to Ground Resistance	< 2
Tip to Ground Potential	< 2mV
Heating Element	Ceramic Heater
Total Length (w/o cord)	190mm
Weight (w/o cord)	44g

Desoldering Gun

Model No.	809
Power Consumption	24V/50W
Standard Nozzle	A1003 (ø1.0mm S Type)
Heating Element	Ceramic Heater
Dimensions	135(W) x 174(H)mm
Weight (w/o cord)	200g

Packing List

Model Name	Contents
HAKKO 701	Station1
	Soldering iron (907-ESD)1
	Desoldering gun (809)1
	Filter pipe1
	Cleaning pin for ø1.0mm nozzle1
	Cleaning pin for heating element1
	Cleaning drill for ø1.0mm nozzle1
	Ceramic paper filter (S)2
	Ceramic paper filter (L)4
	Spring filter3
	Silicone grease1
	Wrench1
	Iron holder for soldering iron (No.C1142)1
	Iron holder for desoldering gun (No.631-06)1

Replacement Tips

Please refer to page 21 (for M-Type iron).

Replacement Nozzles

Unit : mm

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



- Compact design for minimum use of bench space, incorporating : two soldering irons.
desoldering gun.
handpiece for hot-air SMD rework.
- Replacement tip/nozzle are available from Hakko's well-known series.
- ESD safe by design.

Specifications

Model No.	702B
Power Consumption	500W

Station

Soldering	Output Voltage	AC 24V
	Temperature Range	200-480°C
Desoldering	Output Voltage	AC 24V
	Vacuum Generator	Double Cylinder Type
	Vacuum Pressure	80KPa (600mmHg)
	Suction Flow	15ℓ/min
SMD Rework	Temperature Range	380-480°C
	Input Voltage	AC 100, 110, 220-240V
	Pump	Diaphragm Pump
	Capacity	23ℓ/min (Max.)
Dimensions	360(W) x 266(H) x 150(D)mm	
Weight (w/o cord)	10kg	

Soldering Iron

Model No.	900S-ESD	907-ESD
Power Consumption	24V/50W	
Tip to Ground Resistance	< 2	
Tip to Ground Potential	< 2mV	
Heating Element	Ceramic Heater	
Standard Tip	900S-T-I (Shape-I)	900M-T-B (Shape-B)
Cord	1.2m	
Total Length (w/o cord)	176mm	190mm
Weight (w/o cord)	25g	44g

Desoldering Gun

Model No.	809
Power Consumption	24V/50W
Nozzle to Ground Resistance	< 2
Nozzle to Ground Potential	< 2mV
Standard Nozzle	A1003 (ø1.0mm S Type)
Dimensions	135(W) x 174(H)mm
Weight (w/o cord & hose)	200g

Handpiece for SMD Rework

Power Consumption	250W
Total Length (w/o cord)	196mm
Weight (w/o hose)	120g

Packing List

Model Name	Contents
HAKKO 702B	Station1
	Soldering iron (900S-ESD & 907-ESD)2
	Desoldering gun (809)1
	Handpiece for SMD rework1
	Iron holder for soldering iron (No.C1121 & No.C1142)2
	Iron holder for desoldering gun (No.631-06)1
	Handpiece holder1
	Nozzle tray1
	Filter pipe1
	Cleaning pin for ø1.0mm nozzle1
	Cleaning pin for heating element1
	Cleaning drill for ø1.0mm nozzle1
	Ceramic paper filter (S)2
	Ceramic paper filter (L)4
	Spring filter3
	Silicone grease1
	Wrench1
	FP pick-up1
	FP pick-up wire (S & L)2
	Nozzle for SMD rework handpiece (No.A1124B & A1128B)2

Replacement Tips and Nozzles

Soldering iron: Please refer to page 21.
Desoldering gun: Please refer to page 41.
Handpiece for SMD Rework: Please refer to page 49.

Hakko Global Network



Global and Niche: The Hakko brand is much loved in more than 50 countries worldwide.

We have grown into a global brand. Currently, Hakko soldering irons and related equipment are desired in more than 50 countries in overseas markets. We have local corporations and sales representatives in various regions worldwide, and continue to expand our global network. Again, we believe that creative power stems from connections between the Hakko international groups. Hakko promises to fulfill our customers' needs with our global network of friendly relationships.



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