

## Soldering station



Good Design Award has been a sole comprehensive design evaluation and commendation system in Japan since 1957. "G Mark", the symbol of the award has been recognized widely as a mark representing good design.

**HAKKO FX-100** ESD SAFE  
SOLDERING STATION

### IH Soldering station



- FX-100 provides the heat to the tip effectively by an 'Induction heater' In addition, it allows more efficient heat supply with a unique "Power assist" feature that assists the thermal recovery performance of the soldering iron tip
  - It exerts a great effect on multi-layer boards which have many micro/high-density components with ultra small soldering points and large ground planes
  - No calibration is required
- Wide variety of tips available
- FX-100 meets or exceeds IPC J-STD-001 and ANSI ESD S20.20.

Station		Handpiece	
Power consumption	25 W (85 W)	Cord length	1.3 m
Tip series/Tip temp.	T31-01 Series/450°C	Length (w/o cord)	190 mm w/ T31-02D24 tip
	T31-02 Series/400°C	Weight (w/o cord)	31 g w/ T31-02D24 tip
Output power	50 W		*Tip is not included
Output frequency	13.56 Mh		
Dimensions	127(W)x150(H)x167(D) mm		
Weight	3 Kg		

## Soldering iron

**HAKKO FM-2032** ESD SAFE  
SOLDERING IRON

### Ideal for micro soldering

Connectable soldering stations



FX-951 FM-203



FM-206



P/N: FM2032-52 Conversion kit including Handpiece, Iron holder, Heat resistant pad and Connecting cable

- Slender, lightweight handpiece
  - Tip-to-grip distance optimized for operator dexterity under microscopes and magnifiers
  - Tip geometries engineered for optimal heat transfer and areas difficult to reach
- For use with the Hakko FX-951, FM-203, and FM-206

Handpiece		Heater	
Power consumption	48 W	Heater	Composite heater
Temperature range	200 to 450°C	Cord length	1.3 m
Tip to ground resistance	<2 Ω	Length (w/o cord)	170 mm w/ T30-D1 tip
Tip to ground potential	<2 mV	Weight (w/o cord)	14 g w/ T30-D1 tip



YOUR WORK DESERVES THE SPECIAL TOOLS OF HAKKO

## Rework

**HAKKO FR-810** ESD SAFE  
SMD REWORK STATION

### Digital hot air station



- New nozzle design with quick-change adapter
- Up to 5 user programmable presets for temperature and airflow
- Self-contained air supply
- Automatic safety cool down when placed in holder

Station		Handpiece	
Air flow	5 to 100 L/min with Ø4 mm nozzle	Total length (w/o hose and nozzle)	220 mm
Temperature range	50 to 600°C	Weight (w/o cord)	180 g
Dimensions	160(W)x145(H)x220(D) mm		
Weight	1.3 Kg approx.		

- The current nozzles (for FR-801/802/803B) can be attached to FR-810 with the new nozzle adapter which is an option part.  
- When FR-810 is fixed in rework fixture (C1392B), the adapter is required due to smaller diameter of FR-810 handle compared with FR-801/802/803B.

## Desoldering

**HAKKO FR-300**  
DESOLDERING TOOL

### Portable desoldering tool



FR-300 is supplied in a carrying case with maintenance parts and simple iron holder

- Quick-change nozzle replacement
- Power switch and adjustable temperature control built into the handle
- Compact - use on the workbench or in the field

Station		Vacuum pump	
Power consumption	100 V/98 W (50/60 Hz)	Vacuum pressure	81 kPa (610 mmHg)
	220 V/105 W (50/60 Hz)	Suction flow	11 L/min
	230 V/118 W (50/60 Hz)	Dimensions (w/o cord)	226(H)x210(W) mm
	240 V/130 W (50/60 Hz)	Weight	0.52 Kg
Temperature range	350 to 500°C		
Standard nozzle	Ø1.0 mm (N50-04)		
Nozzle to ground resistance	<2 Ω		
Nozzle to ground potential	<2 mV		

\*New N50 Series nozzles can be used with Hakko's desoldering tools that use nozzles A1002-A1007.

unit: mm

FX-100	T31-01BC1 T31-02BC1 SHAPE-1BC		T31-01BC28 T31-02BC28 SHAPE-2.8BC		T31-01BL T31-02BL SHAPE-BL	
	T31-01D08 T31-02D08 SHAPE-0.8D		T31-01D16 T31-02D16 SHAPE-1.6D		T31-01D24 T31-02D24 SHAPE-2.4D	
	T31-01D52 T31-02D52 SHAPE-5.2D		T31-01I T31-02I SHAPE-I		T31-01IL T31-02IL SHAPE-IL	
	T31-01J02 T31-02J02 SHAPE-0.2RSSB		T31-01JL02 T31-02JL02 SHAPE-0.2RLB		T31-01JS02 T31-02JS02 SHAPE-0.2RSSB	
	T31-01KU T31-02KU SHAPE-KU		T31-01SBL T31-02SBL SHAPE-SBL		T31-01WD08 T31-02WD08 SHAPE-0.8WD	
FM-2032	T30-D06 SHAPE-0.6D		T30-D1 SHAPE-1D		T30-I SHAPE-I	
	T30-J SHAPE-J		T30-KU SHAPE-KU		T30-KN SHAPE-KN	
FR-810	N51-01 (Inside diameter)		N51-02 (Inside diameter)		N51-05 (Inside diameter)	
	N51-03 (Inside diameter)		N51-04 (Inside diameter)			
FR-300	Part No.	øA	øB			
	N50-01	0.8	2.0			
	N50-02	1.0	2.0			
				Part No.	øA	øB
				N50-03	0.8	2.5
				N50-04	1.0	2.5
				N50-05	1.3	3.0
				N50-06	1.6	3.0

BE COMFORTABLE WITH SOLDERING

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