

HAKKO FX-888D

SOLDERING STATION



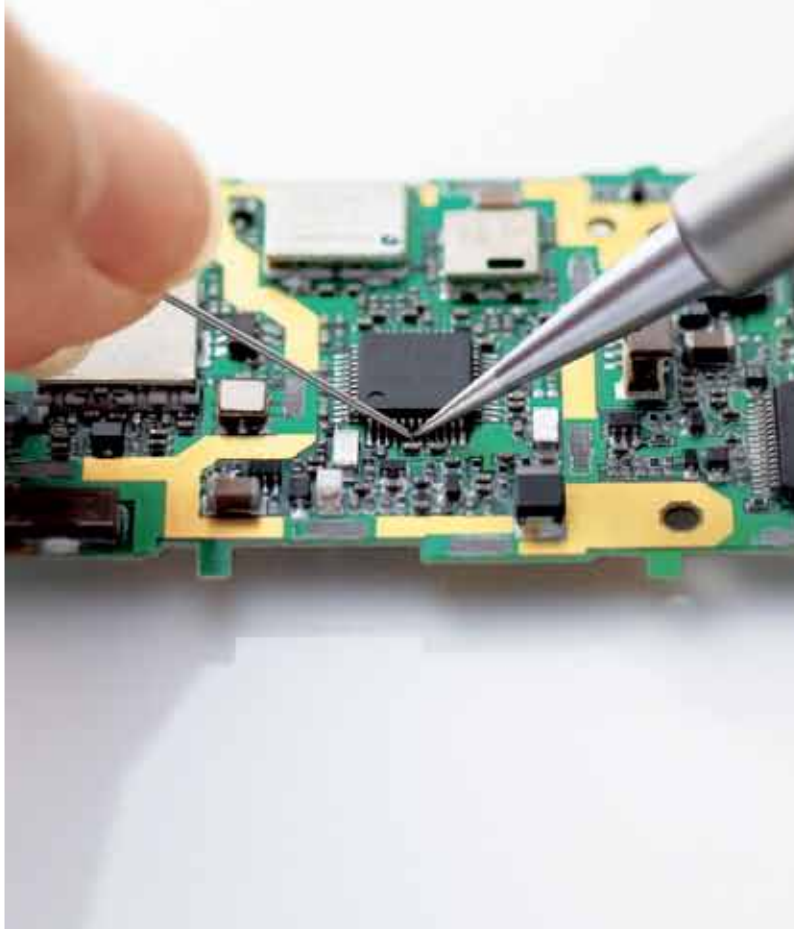
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SOLDERING STATION

Reliable digital technology by HAKKO – Introducing the HAKKO FX-888D

At Hakko, we think that the role of digital technology in the manufacturing industry is to create an environment for operators to always be able to perform at 100%. The newly developed HAKKO FX-888D supports soldering iron temperature control — an important factor influencing product quality at high level — , and helps you to comfortably focus on the hand soldering.





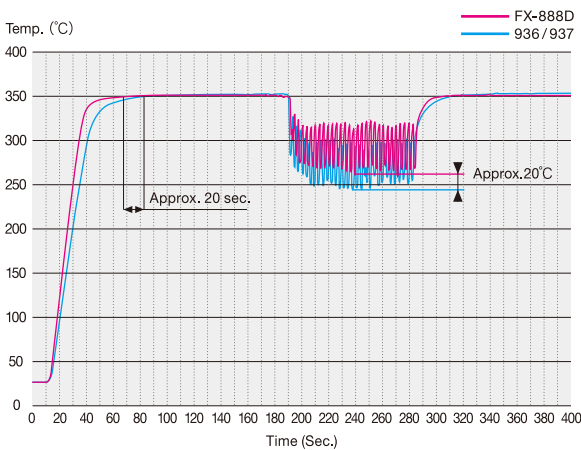
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Excellent thermal recovery

Heater output has been increased by 30% compared to that of the conventional models HAKKO 936・937. Also FX-888D delivers excellent thermal recovery by using T18 series tips for

Thermal recovery graph

Rise time to 350°C is 20 seconds faster and tip temperature drop is reduced during continuous work.



Test criteria

Measurement method: A thermocouple is mounted on the tip and the tip temperature is measured when soldering $\Phi 1.6\text{mm} \times 5\text{mm}$ solder to paper phenol copper board once every 3 seconds.

Board: Paper phenol copper board

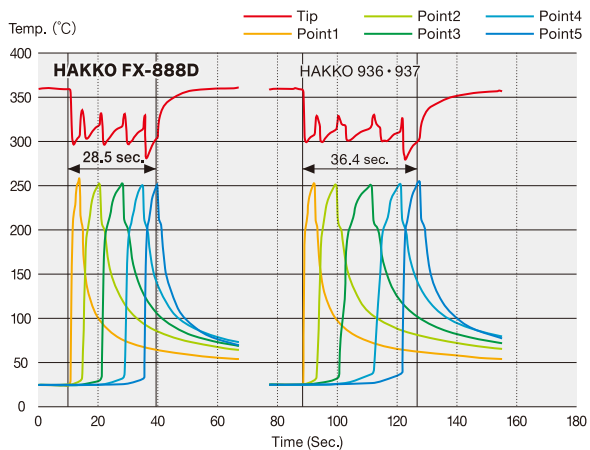
Temperature setting: 350°C

Solder: Lead-free solder (Sn/Ag/Cu) $\Phi 1.6\text{mm} \times 5\text{mm}$

their terrific heat conductivity. This allows soldering at a lower set temperature and reducing the thermal impact on components as well as tip oxidation that can shorten tip life.

HAKKO FX-888D performance comparison graph with conventional stations

Able to shorten the time required for the same work and improve work efficiency significantly.



Test criteria

Measurement method: Thermocouples are mounted on the tip and the soldered portion on the board, and the time until the soldered portion reaches 250°C is measured for 5 points.

Board: Paper phenol copper board

Component used: Connector

Temperature setting: 360°C

Solder: Lead-free solder (Sn/Ag/Cu) $\Phi 0.5\text{mm}$

Designed to be User-Friendly

Small footprint

Compact station body requires a space of only 100 (W) x 120 (D) mm. What's more, points that come into contact with the floor are positioned as close to the outer edge of the body as possible to improve stability and make the station difficult to fall over.

Simple and easy operation

With only two operation buttons of UP and ENTER in the center, operation is simple and easy. Even if you're not familiar with operation of machines, you can operate it without difficulty.

Iron holder with full of functions

An iron holder of the same color of a soldering station comes as a set. The highly functional iron holder not only improves ease of use, but also brings a sense of visual consistency to the work environment.



Strict temperature management

Digital display

The FX-888D's digital display makes it easy to check the set temperature at a glance.

Password function

Settings can be locked using a password to prevent them from being changed unexpectedly. Of course, it is possible to restrict all setting changes or prevent users from switching to particular modes. It allows you to choose a style of usage best suited for your worksite.

Preset mode

This feature is very convenient when you want to change the set temperature to suit a particular workpiece, component, or tip shape. Simply select the desired temperature from a selection of preset temperatures registered in advance. (Up to 5 preset temperatures can be registered.) Preset mode can save your trouble and improve workability.



Adjustment mode

Temperature adjustment* is an essential part of any strict quality control system. With adjustment mode, what used to be a troublesome procedure is now as simple as entering the measured tip temperature to FX-888D.

*Adjust the tip temperature to match the set temperature in case that there is a difference between those temperatures due to tip shape, heater replacement, or other factors.

Photo: Measuring tip temperature with a tip thermometer (HAKKO FG-100)



Variety of applications (optional accessories)

Meeting the needs of the worksite with a variety of applications.

N₂ System Soldering Iron FX-8802

Nitrogen gas heated inside the iron is blown from the tip of the iron while soldering, which prevents oxidation and provides preheating effect to improve solderability significantly. This is an ideal application for the use of mildly activated flux and the work on multilayer boards.

*Requires N₂ gas generator (HAKKO FX-780) and flowmeter (HAKKO FX-791).



Soldering Gun FX-8803

One-hand manual-solder-feed iron. Work efficiency can be improved with this application by leaving one hand free to hold workpieces and components for improved efficiency.



SMD Hot Tweezers FX-8804

Hot tweezers are useful for SMD rework*. Directly heating both sides of soldered areas at the same time allows work to be completed more quickly than with a hot-air tool and to minimize thermal impact on components with poor heat resistance.

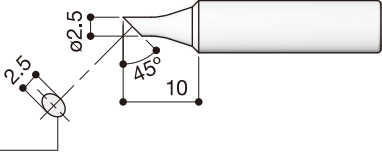
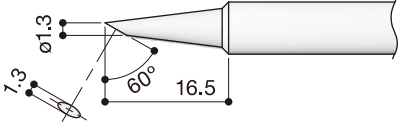
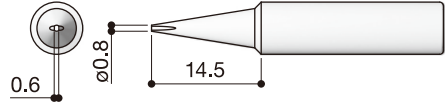
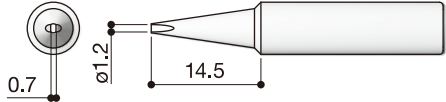
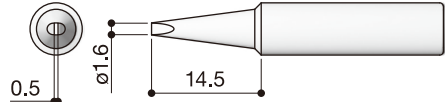
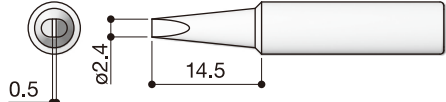
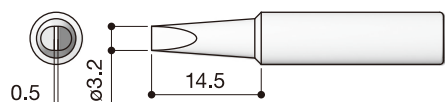
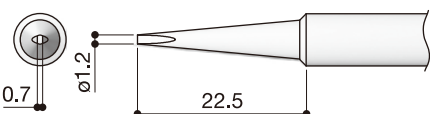
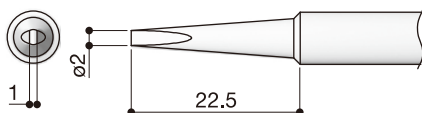
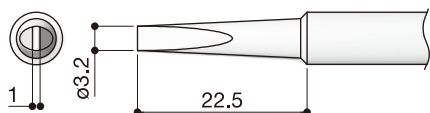
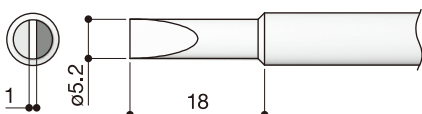
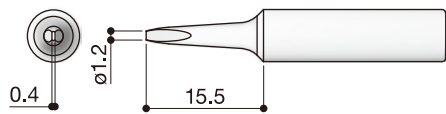
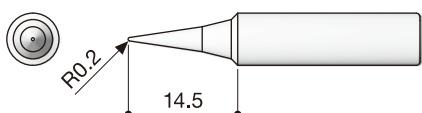
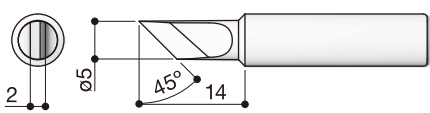
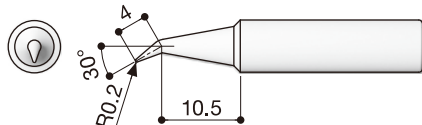
*Removing chip components and SOPs.



Replacement Tips - T18 Series

Shape B	T18-B		T18-BL	
	T18-SB		T18-S4	
Shape C	T18-C05		T18-C08	
	T18-C1		T18-CF1	 Tinned on the soldering surface only.
	T18-C2		T18-CF2	 Tinned on the soldering surface only.
	T18-C3		T18-CF3	 Tinned on the soldering surface only.
	T18-C4		T18-CF4	 Tinned on the soldering surface only.
	T18-C5		T18-CF15	 Tinned on the soldering surface only.

Unit (mm)

Shape C	T18-CSF25  Tinned on the soldering surface only.	T18-S6 
	T18-D08 	T18-D12 
Shape D	T18-D16 	T18-D24 
	T18-D32 	T18-DL12 
	T18-DL2 	T18-DL32 
	T18-S3 	T18-S9 
	T18-I 	T18-K 
	T18-BR02 	

Visit our website to know the best tip for your purpose. Our videos, photos and illustrations support your selection.
http://www.hakko.com/english/tip_selection/

● Specifications

Model name		HAKKO FX-888D	
Body color		Silver	Blue & yellow
Power consumption		70W	
Temperature range		200 - 480°C	
Temperature stability		±1°C at idle temperature	
Station	Output voltage	AC 26V	
	Dimensions	100(W)×120(H)×120(D)mm	
	Weight (w/o cord)	1.2kg	
Iron	Power consumption	65W (26V)	
	Tip to ground resistance	<2Ω	
	Tip to ground potential	<2mV	
	Standard tip	Shape-B (No.T18-B)	
	Heating element	Ceramic heater	
	Cord length	1.2m	
	Total length (w/o cord)	217mm (with B tip)	
	Weight (w/o cord)	46g (with B tip)	
	Iron holder	Silver	Blue & yellow

● Replacement parts

Part number	Name/Description
A1559	Cleaning sponge
A1560	Heating element / 65W (26V)
A1561	Cleaning wire
B1785	Nut
B2022	Nipple
B3469	Tip enclosure
B3474	Rubber cleaner

● ESD specifications

Conductive materials are used for this product as a countermeasure against static electricity, so that it can be used for soldering a static-sensitive electronic component.

● Packing list

FX-888D Station
 FX-8801 Iron (with No.T18-B)
 Iron holder (w/cleaning sponge & cleaning wire)*
 Instruction Manual
 *Rubber cleaner sold separately.



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