

# HAKKO

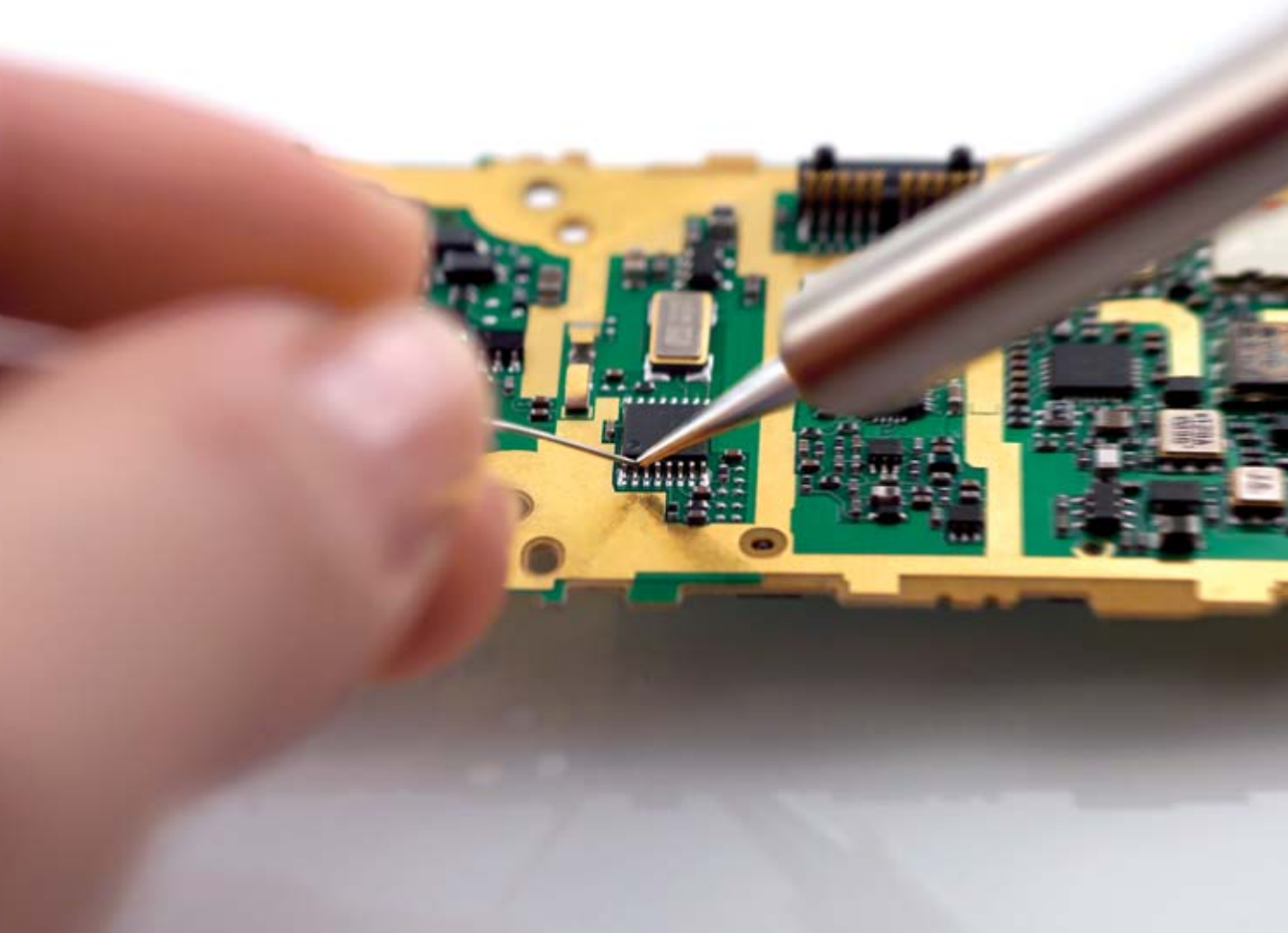
# FX-888

## SOLDERING STATION





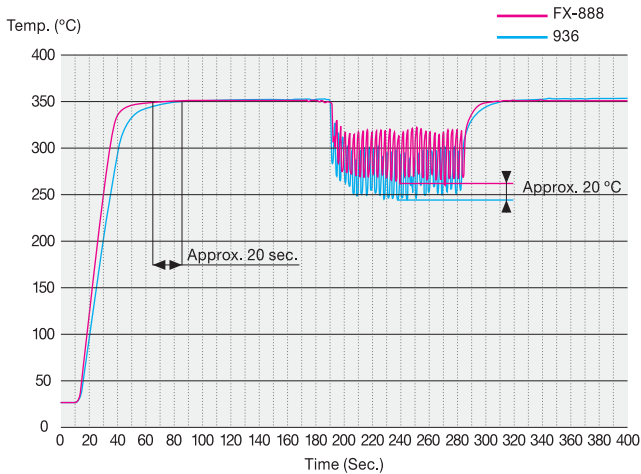
**HAKKO FX-888**  
**can provide the solution to all your needs.**  
Lead-free soldering, reducing costs, cell production, improving quality, etc.



## Heater output increased to 65W

Output has been increased by 30% compared to that of the HAKKO 936. The conventional tip design was reviewed and the shape was improved to provide more efficient heat transfer from the heating element. As a result, the thermal recovery time to 350°C is 20 seconds faster, and the drop in tip temperature during continuous

### Thermal recovery graph



#### Test criteria

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

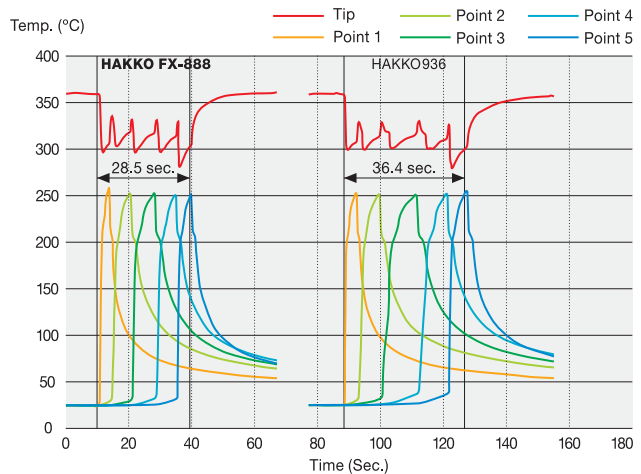
Board: Paper phenol copper board.

Temperature setting: 350°C

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

work is reduced (refer to the thermal recovery graph), enabling the time for performing the same work to be shortened (refer to the graph showing performance comparison) and work efficiency to be greatly increased.

### HAKKO FX-888 performance comparison graph with conventional station



#### 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.

Temperature setting: 350°C

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

## Design completely novel

Positioning the bottom contact points as close to the base outside perimeter as possible provides a stability making it possible to use it stably even in confined spaces.



Station: Blue & yellow

Iron holder: Blue & yellow

## Downsized to save space.



Comparison in size between FX-888 and HAKKO936.

The new FX-888 realizes space savings of approx. 50% in mounting area in comparison with conventional stations. It enables working space to be secured, which is important factor with the introduction of cell production.

## Thermal calibration (CAL) screwdriver is included as a standard accessory

The calibration (CAL) screwdriver (resin) is stored in the bottom of station as a standard accessory. This enables temperature compensation to be adjusted easily and reduces the possibility of damage to the calibration volume.

## Design improved for easier use



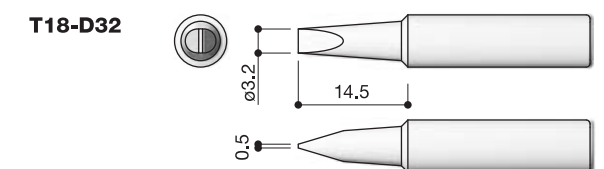
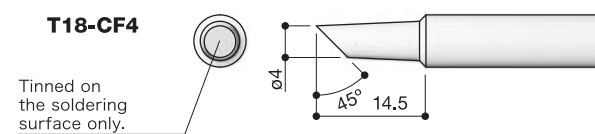
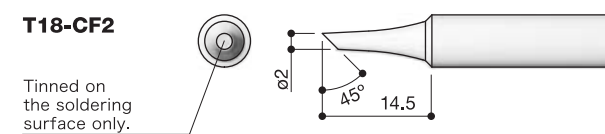
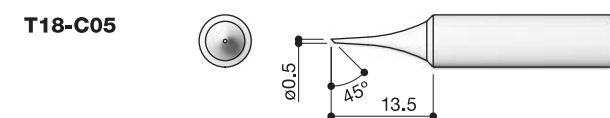
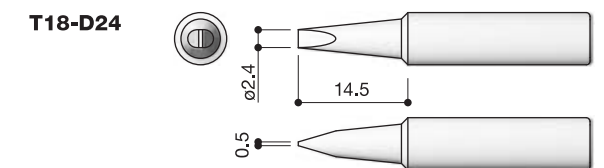
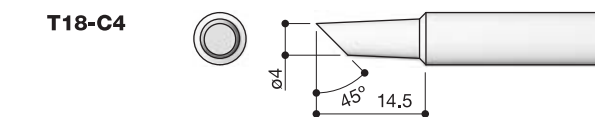
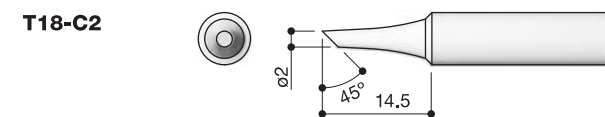
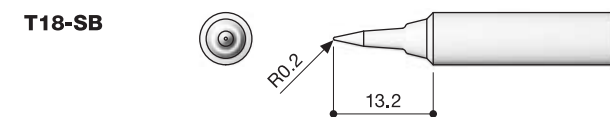
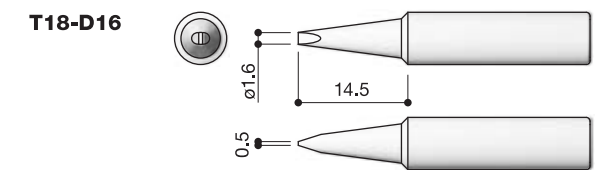
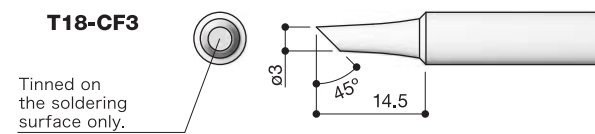
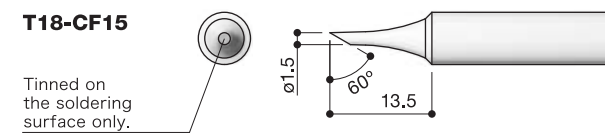
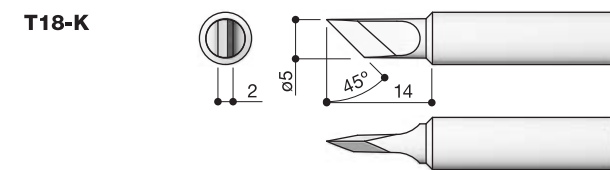
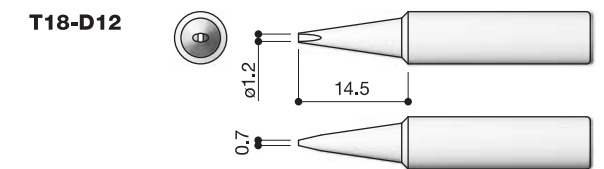
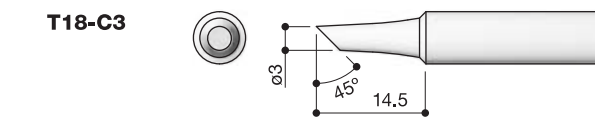
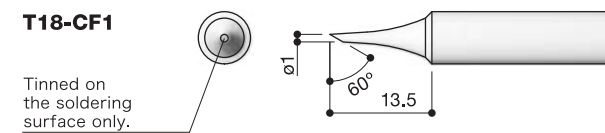
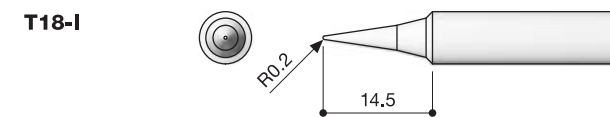
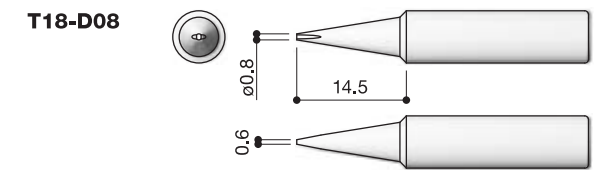
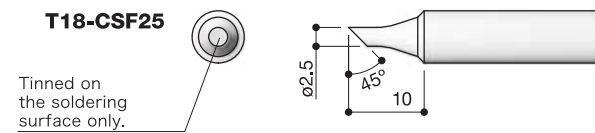
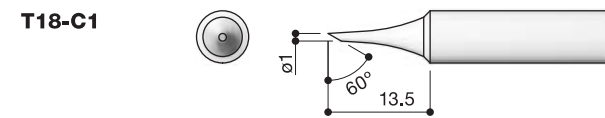
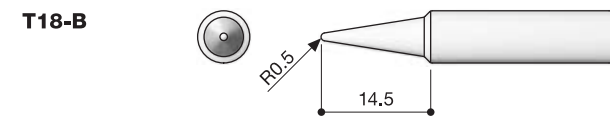
Protective cap

The corners on the iron holder base were rounded to prevent them from coming in contact with hand when storing the soldering iron. Further, a protective cap installed in the iron receptacle is provided to reduce sounds when storing the iron.



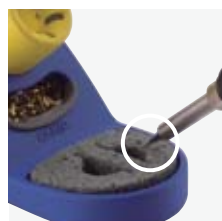
## Replacement tip

The thermal conduction rates of T18 series tips have been improved by reviewing the shapes which can transfer heat to the tip end efficiently. Please be sure to use T18 series tips for FX-888 station to maintain its high performance.



## 3 types of cleaning methods available in one iron holder

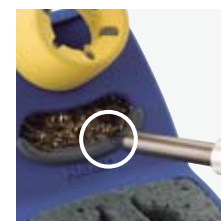
The following 3 cleaning methods can be performed by the cleaning tools included with the iron holder.



**Cleaning sponge:**  
Residual solder and flux adhering on the tip can be wiped off by the sponge soaked with water.



**Cleaning wire (option):**  
Residual solder and flux adhering on the tip is removed by inserting the tip into a thin metallic wire. This cleaning wire leaves an appropriate amount of solder on the tip end, which prevents the tip from being oxidized. Use without water prevents the tip temperature from decreasing rapidly or tip oxidation from being promoted.



**Rubber cleaner:**  
Residual solder and flux adhering on the tip can be wiped off on the silicone rubber cleaner. Use without water prevents the tip temperature from decreasing rapidly or tip oxidation from being promoted.



The iron holder base is provided with a detachable waste collecting plate, which improves its maintainability.  
\* Cleaning wire is an optional part.

## •Specifications

Model name	HAKKO FX-888	
Main body color choices	Silver; Black; Red; Blue & yellow	
Power consumption	70W	
Temperature range	200 to 480°C	
Temperature stability	±1°C	
Temperature setting lock type	Dial screw type	
Station	Voltage	26V
	Dimensions	95(w) x 118(h) x 136(d)mm
	Weight (w/o cord)	Approx. 1.3kg
Iron	Power consumption	65W(26V)
	Resistance between tip and ground	< 2Ω
	Tip to ground potential	< 2mV
	Cord	1.2m
	Total length (w/o cord)	190mm
	Weight (w/o cord)	44g
Iron holder	Silver; or Blue & yellow	

## •Replacements/optional parts

Part number	Name/Description
FX8801-01	Soldering iron FX-8801/26V-65W
FH800-01BY	Iron holder FH-800/Blue & yellow
FH800-01SV	Iron holder FH-800/Silver
A1559	Cleaning sponge
A1561	Cleaning wire
B3474	Rubber cleaner
A1560	Heating element/26V-65W
B3469	Tip enclosure
B1785	Nut
B2022	Nipple
B3466	Calibration screwdriver

## •Packing list

FX-888 station • FX-8801 Iron •  
Iron holder (with rubber cleaner and sponge)  
\* Cleaning wire is an optional part.  
Hex wrench • Calibration screwdriver • Instruction manual



## **HAKKO CORPORATION**

### **HEAD OFFICE**

4-5, SHIOKUSA 2-CHOME, NANIWA-KU, OSAKA, 556-0024 JAPAN  
TEL: +81-6-6561-3225 FAX: +81-6-6561-8466  
<http://www.hakko.com> E-mail: [sales@hakko.com](mailto:sales@hakko.com)

### **OVERSEAS AFFILIATES**

**U.S.A.**  
**AMERICAN HAKKO PRODUCTS, INC.**  
28920 N. AVE. WILLIAMS VALENCIA, CA 91355, U.S.A.  
TEL: (661) 294-0090 FAX: (661) 294-0096  
Toll Free (800)88-HAKKO  
<http://www.hakkousa.com>

**HONG KONG**  
**HAKKO DEVELOPMENT CO., LTD.**  
ROOM 1504, EASTERN HARBOUR CENTRE,  
28 HOI CHAK STREET, QUARRY BAY, HONG KONG.  
TEL: 2811-5588 FAX: 2590-0217  
<http://www.hakko.com.hk>  
E-mail: [info@hakko.com.hk](mailto:info@hakko.com.hk)

**SINGAPORE**  
**HAKKO PRODUCTS PTE., LTD.**  
1, GENTING LINK #02-04, PERFECT INDUSTRIAL  
BUILDING, SINGAPORE 349518  
TEL: 6748-2277 FAX: 6744-0033  
<http://www.hakko.com.sg>  
E-mail: [sales@hakko.com.sg](mailto:sales@hakko.com.sg)

Please access to the following address for the other Sales affiliates.  
<http://www.hakko.com>

Specifications and design are subject to change without notice.  
Copyright HAKKO Corporation. All right reserved.