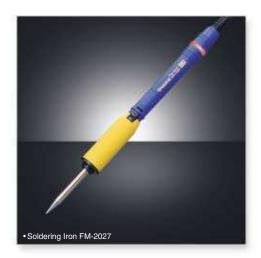


AKOFM-203 SAFE

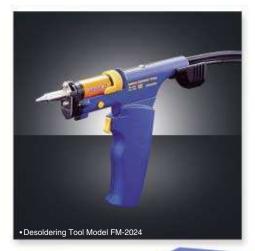
For lead-free soldering





New more-advanced multifunctional station. Equipped with 2 connection ports to enable a single station to simultaneously play 2 roles.









A single station plays multiple roles: Soldering, desoldering and SMD rework. This new station with 2 connection ports allows users to use it more comfortably.

them alternatively. Powerful thermal recovery

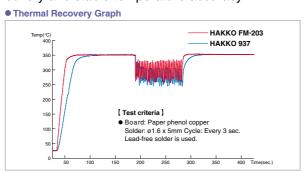
Two connection ports

The composite tip provides powerful thermal recovery and stable temperature accuracy.

Two soldering irons can be connected at the

same time, which allows users to select and use

the appropriate one without having to connect

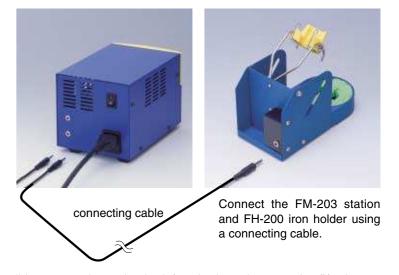


Sleep function

After the iron is inserted into the iron holder, the sleep function activates for a user-settable time (0 to 29 min.) and the tip temperature will decrease to approximately 200°C.

Auto power shut-off function

When 30 minutes have elapsed after inserting the iron into the iron holder, the auto power shut-off function activates and stops to apply power to the heating element.



*It is necessary to change unit settings before using sleep and auto power shut-off functions



Example setup

flow meter)

ur further details, refer to the No system brochure

FX-780 N₂ generator

FM-2026 N2 soldering iron

FX-791 N2 station (N2 air-

HAKOFM-203 ESP SAFE





Safe design

rately.

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.

Small ergonomic-style grip

and light weight provides fa-

New design prevents clo-

New design with reduced di-

stance between the nozzle

and end and filter pipe pre-

vents clogging by sucked-up

Uses disposable paper filter pipes. Allows paper and solder to be disposed of sepa-

Quick nozzle replacement.

Nozzle can be replaced saf-

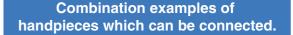
ely with the provided nozzle

tiqueless work.

gging

Selectable grip

Detachable handle allows two-way use: gun type or straight type.



Since all handpieces cannot be connected to each connector port, refer to the following



		•	•
Handpiece		Channel D connector	Channel S connector
FM-2027		0	0
FM-2022	*1	0	×
FM-2023	*1	0	×
FM-2024	*2	0	0
FM-2026	*3	0	0

- *1 If the FM-2022 or the FM-2023 handpiece is connected to the channel D connector the other handpiece connected to the channel S connector can be used with it at the same time. If either handpiece is used, the non-used handpiece will be automatically subject to sleep mode.
- *2 If two FM-2024 handpieces are connected to both channel connectors connect each of them to the desolder control box
- *3 The N2 generator and N2 airflow meter must be connected before using the FM-2026.

Fur further details, refer to the N2 system brochure

List of Specifications and Example Setups



HAKOFM-203 SAFE

Station + One Soldering Iron

*Tip is an optional part.

● HAKKO FM-203

Power Consumption	140W	
Temperature Range	200 to 450°C	
Temperature Accuracy	±5°C at idle temperature	

Station

Output	24V
Dimensions	120(W) x 120(H) x 190(D)mm
Weight	2.7kg

● HAKKO FM-2027 Soldering Iron

Power Consumption	70W (24V)
Tip to Ground Resistance	< 2Ω
Tip to Ground Potential	< 2mV
Total Length (w/o cord)	188mm with 2.4D tip
Weight (w/o cord)	30g with 2.4D tip
Cord	1.2m

*The temperature was measured using the HAKKO FG-101 thermometer.



*Tip is an optional part.

■ Packing List
① Tip tray1
② Iron holder (No.FH200-02)1
③ HAKKO FM-203 station1
4 HAKKO FM-2027 soldering iron1
⑤ Control card1
6 Heat resistant pad1
7 Power cord (not shown in the photo)1
® Connecting cable (not shown in the photo)1



Part No.	Name/Description	Applicable
B3216	Sleeve assembly, yellow	FM-2027
B3218	Sleeve assembly, blue	FM-2027
B3217	Sleeve assembly, orange	FM-2027
B3219	Sleeve assembly, green	FM-2027
599B-02	Tip cleaner	FH-200
B3253	Connecting cable	FM-203, FH-200
A1514	Ceramic paper filter / 10pcs	FM-2024
A1512	Front holder	FM-2024
A1511	Filter pipe assembly	FM-2024
B2756	Tip tray	FM-2027







Soldering HAKOFM-2027 SPE **Soldering Iron** *Tip is an optional part. Specifications

Power Consumption	70W (24V)	
Tip to Ground Resistance	< 2Ω	
Tip to Ground Potential	< 2mV	
Total Length (w/o cord)	188mm with 2.4D tip	
Weight (w/o cord)	30g with 2.4D tip	
Cord	1.2m	

No.FM2027-03 Conversion kit



Packing List

a coming flot
① Connecting cable1
②HAKKO FH-200 iron holder1
3 HAKKO 599B tip cleaner1
(2+3: No.FH200-02)
4 HAKKO FM-2027 soldering iron1
5 Heat resistant pad1

*Tip is an optional part.

SMD rework



Specifications

Power Consumption	140W (24V)	
Temperature Range	200-400°C	
Tip to Ground Resistance	< 2Ω	
Tip to Ground Potential	< 2mV	
Total Length (w/o cord)	148mm with SOP 25L tip	
Weight (w/o cord)	64g with SOP 25L tip	
Cord	1.2m	

No.FM2022-04 Conversion kit



Packing List	
① Connecting cable	
② HAKKO FH-200 iron holder	
3 Cleaning sponge	
(2+3: No.FH200-03)	
Model FM-2022 parallel remover	
⑤ Heat resistant pad	
*Tip is an optional part.	



Power Consumption | 140W (24V) Temperature Range 200-400°C Tip to Ground Resistance $< 2\Omega$ Tip to Ground Potential < 2mV Total Length (w/o cord) 117mm with I tip Weight (w/o cord) 37g with I tip Cord 1.2m Standard Tip T9-I (Shape-I)

No.FM2023-04 Conversion kit



■ Packing List
① Connecting cable1
② HAKKO FH-200 iron holder1
③ Cleaning sponge1
(2)+3: No.FH200-04)
Model FM-2023 mini parallel remover1
⑤ Tips (No.T9-I/2pcs of set)1
6 Heat resistant pad1
© 0

Desoldering



MODEL FM-2024 Desoldering Tool

Power Consumption	70W (24V)
Temperature Range	350-450°C
Tip to Ground Potential	< 2mV
Tip to Ground Resistance	< 2Ω
Total Length (w/o cord)	180mm with ø1.0 nozzle
Weight (w/o cord)	65g with ø1.0 nozzle
Cord	1.2m

Desolder Control Box

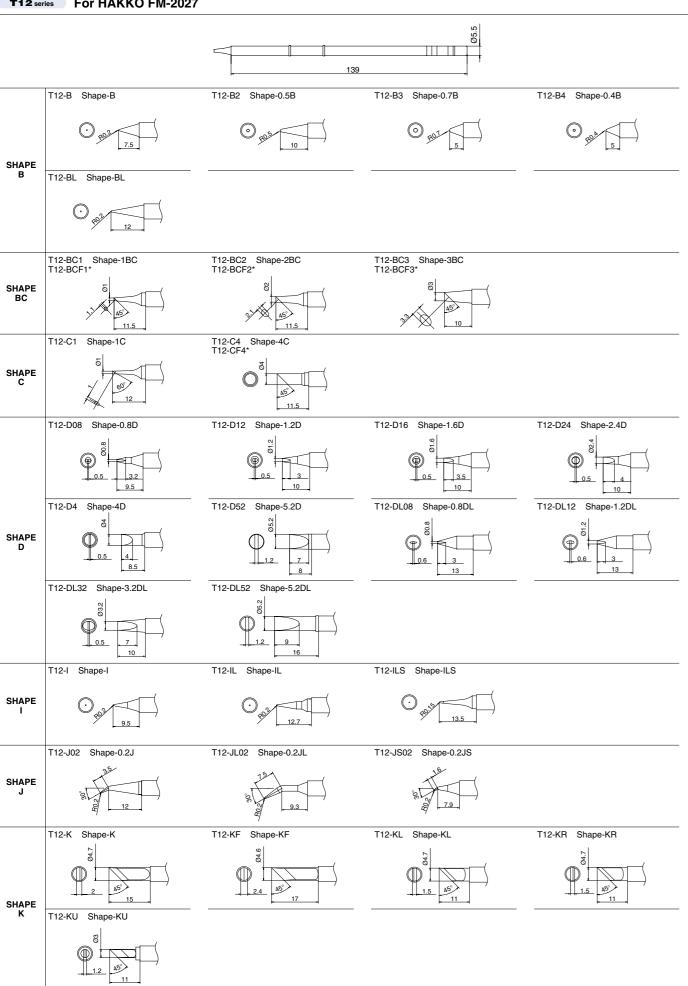
Power Consumption	12W
Output	24V
Vacuum Generator	Ejector type
Vacuum Pressure(max.)	93kPa (700mmHg)
Suction Flow	28L/min.
Tip to Ground Potential	< 2mV
Applied Air Pressure	490kPa (5.0kgf/cm²) when in use
	(trigger or button is pressed)
Compressed Air Consumption	1.62 c.f.m. (46L/min.)
Dimension	119(W) x 45(H) x 172(D)mm
Weight (w/o cord & hose)	1.2kg

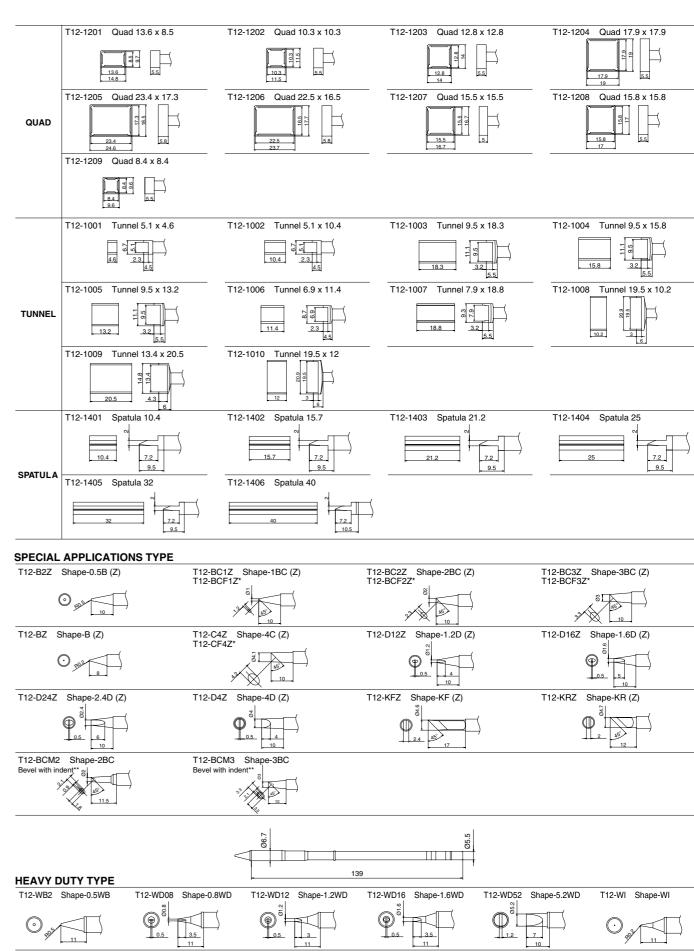
For smooth setup, we recommend to order "Conversion kit" as shown by the photo. The part number of "Conversion kit" varies from the input voltage. Please contact with the nearest representative for the further information.



■ Packing List

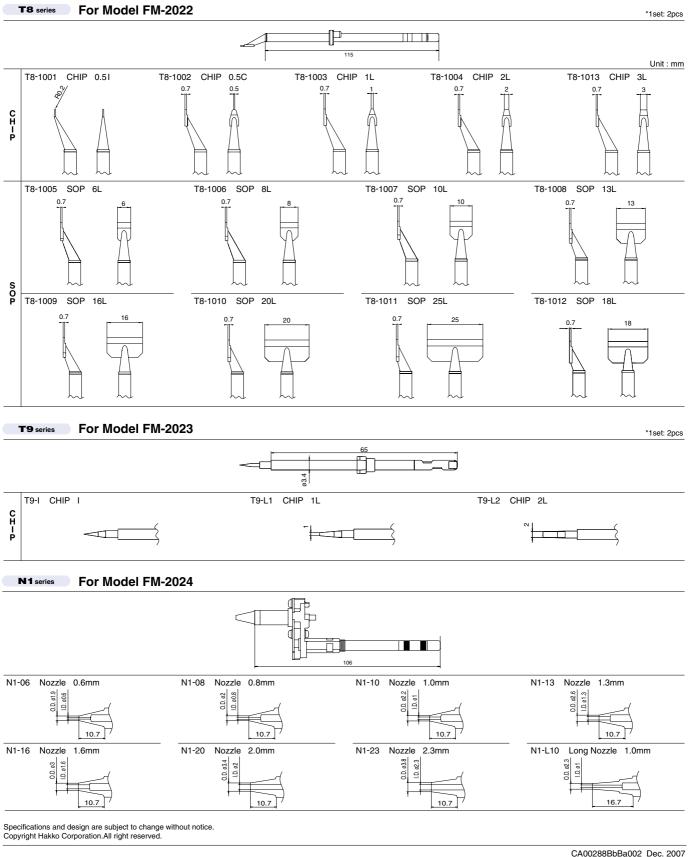
①HAKKO FH-200 iron holder1
②HAKKO 599B tip cleaner1
(1)+2: No.FH200-05)
3 Cleaning drill1
4 Ceramic paper filter10
5 Desolder control box (DCB)1
6 Connecting cable1
7 Filter pipe assembly1
8 Model FM-2024 desoldering tool ······1
9 Handle (for gun configuration)1
10 Nozzle remover1
*Nozzle is an optional part.





^{*} Tinned on the soldering surface only.

**The part numbers T12-BCM2 and T12-BCM3 are not available for sale or use in the U.S.A.



CA00288BbBa002 Dec. 2007

สอบถามรายละเอียดเพิ่มเติมได้ที่ มีจำหน่ายตามร้านอะไหล่อิเล็กทรอนิกส์ทั่วไป บริษัท สหรุ่งโรจน์ (ประเทศไทย) จำกัด

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