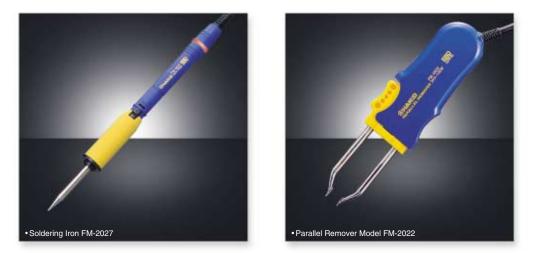


SOLDERING STATION FM-203

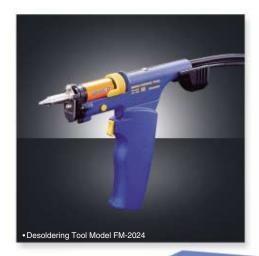
For lead-free soldering



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.



SOLDERING STATION FM-203 ESD SOLDERING STATION

Station + One Soldering Iron

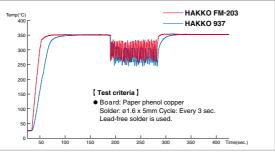
Two connection ports

Two soldering irons can be connected at the same time, which allows users to select and use the appropriate one without having to connect them alternatively.

Powerful thermal recovery

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

• Thermal Recovery Graph



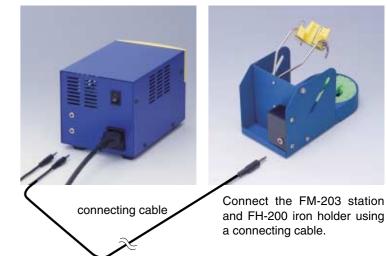
No offset required

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.



Soldering

HAK FM-2027 歸

Soldering Iron



Lightweight grip provides fatiqueless work even for extended iobs. • Four colored sleeves are provided. Using color-coding for tip shape enables convenient work. The lock-type sleeve enables it to be firmly secured.



N₂ system

 Example setup FM-2026 N2 soldering iron FX-780 N2 generator FX-791 N2 station (N2 airflow meter)

ur further details refer to the N2 system brochure



HAKO MODEL ESD FM-2024 SAFE **Desoldering Tool** DCB (Desoldering Control Box) *Before using the FM-2024 unit, connect

Desoldering

it to the desoldering control box and compressor

Greatly improved workability Small ergonomic-style grip

and light weight provides fatiqueless work.

New design prevents clogging

New design with reduced distance between the nozzle and end and filter pipe prevents clogging by sucked-up solder.

Easy maintenance

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

Quick nozzle replacement. Nozzle can be replaced safely with the provided nozzle remover.

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.

Selectable grip

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

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

Combination examples of handpieces which can be connected.

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



		•	•
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 connect tor 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



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

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.



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
O Power cord (not shown in the photo)1
(8) Connecting cable (not shown in the photo)1
*Tip is an optional part.

Soldering

Soldering Iron *Tip is an optional part.

Specifications Power Consumption 70W (24V) Tip to Ground Resistance $< 2\Omega$ 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



5
①Connecting cable1
②HAKKO FH-200 iron holder1
3 HAKKO 599B tip cleaner1
(②+③: No.FH200-02)
HAKKO FM-2027 soldering iron1
5 Heat resistant pad1
*Tip is an optional part.

SMD rework

PARALLEL REMOVER FM-2022 SAFE

Parallel Remover *Tip is an optional part.

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.FM2022-05 Conversion kit



Packing List

①Connecting cable1
2 HAKKO FH-200 iron holder1
3 Cleaning sponge1
(2+3: No.FH200-03)
Model FM-2022 parallel remover ······1
5 Heat resistant pad1
*Tip is an optional part.

MODEL FM-2023 SAFE **Mini Parallel Remover** *Tips(shape-I) are originally attached

140W (24V)
200-400°C
< 2Ω
< 2mV
117mm with I tip
37g with I tip
1.2m
T9-I (Shape-I)

No.FM2023-06 Conversion kit



Packing List

① Connecting cable1
②HAKKO 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
⑦ Component bed1

Power Consum Temperature Ra Tip to Ground Pote Tip to Ground Resis Total Length (w/o Weight (w/o cor Cord

Desolder Control Box

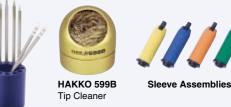
Power Consum Output Vacuum Gener Vacuum Pressure Suction Flow Tip to Ground Pot

Applied Air Pres Compressed Air Consu

Dimension Weight (w/o cord & No.FM2024-3

No.FM2024-3 No.FM2024-33

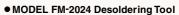
Replace	cement and Optional Parts	
Part No.	Name/Description	Applicable
B3216	Sleeve assembly, yellow	FM-2027
B3218	Sleeve assembly, blue	FM-2027
B3217	Sleeve assembly, orange	FM-2027
B3219	Sleeve assembly, green	FM-2027
599B-02	Tip cleaner	FH-200
B3253	Connecting cable	FM-203, FH-200
A1514	Ceramic paper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



Tip Tray *Tips are no included.



HAKO MODEL DESOLDERING TOOL FM-2024 SAFE **Desoldering Tool** *Nozzle is an optional par



	•
ption	70W (24V)
ange	350-450°C
tential	< 2mV
stance	< 2Ω
cord)	180mm with ø1.0 nozzle
ord)	65g with ø1.0 nozzle
	1.2m

12W
24V
Ejector type
93kPa (700mmHg)
28L/min.
< 2mV
490kPa (5.0kgf/cm2) when in use
(trigger or button is pressed)
1.62 c.f.m. (46L/min.)
119(W) x 45(H) x 172(D)mm
1.2kg
Conversion kit (UK)
Conversion kit (France)

Conversion kit (Other EU Countries)

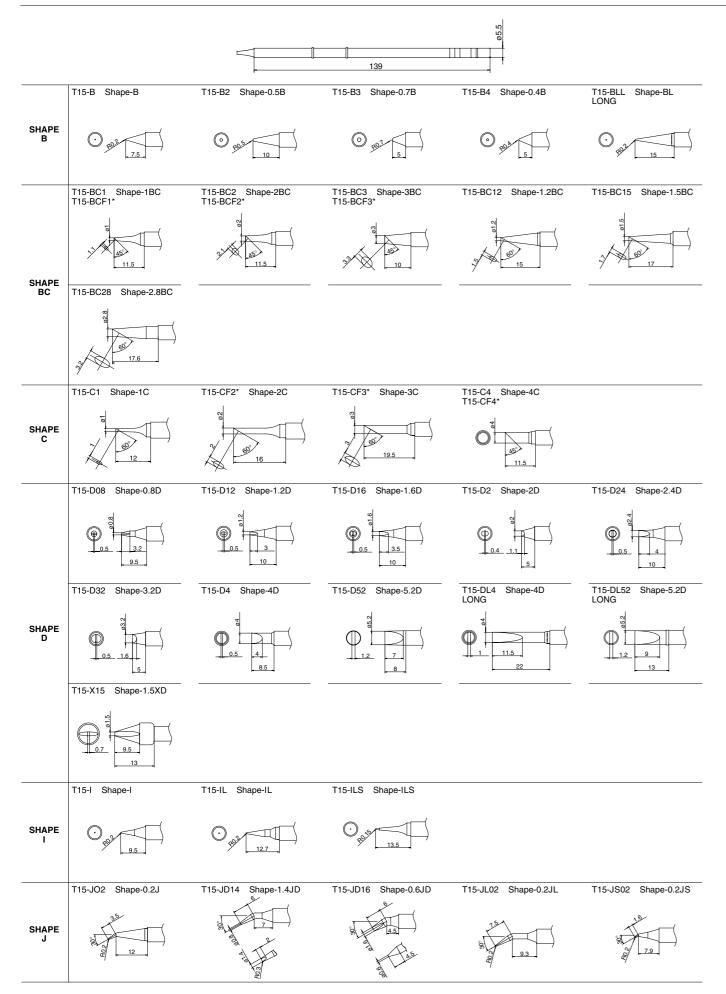


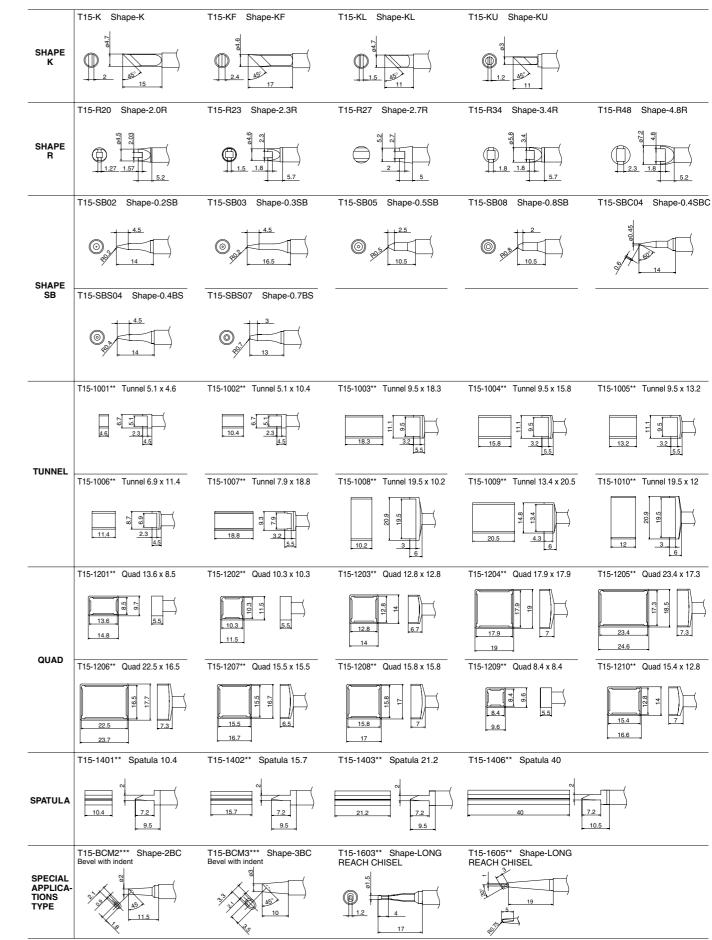
Packing List

①HAKKO FH-200 iron holder ······1
2 HAKKO 599B tip cleaner1
(①+②: No.FH200-05)
3 Cleaning drill1
④Ceramic paper filter10
5 Desolder control box (DCB)1
6 Connecting cable1
O Filter pipe assembly1
8 Model FM-2024 desoldering tool1
9 Handle (for gun configuration)1
1 Nozzle remover1
*Nozzle is an optional part.

Temperature accuracy ±15°C without offset. The iron tips marked with ** have a temperature accuracy of ±25°C.

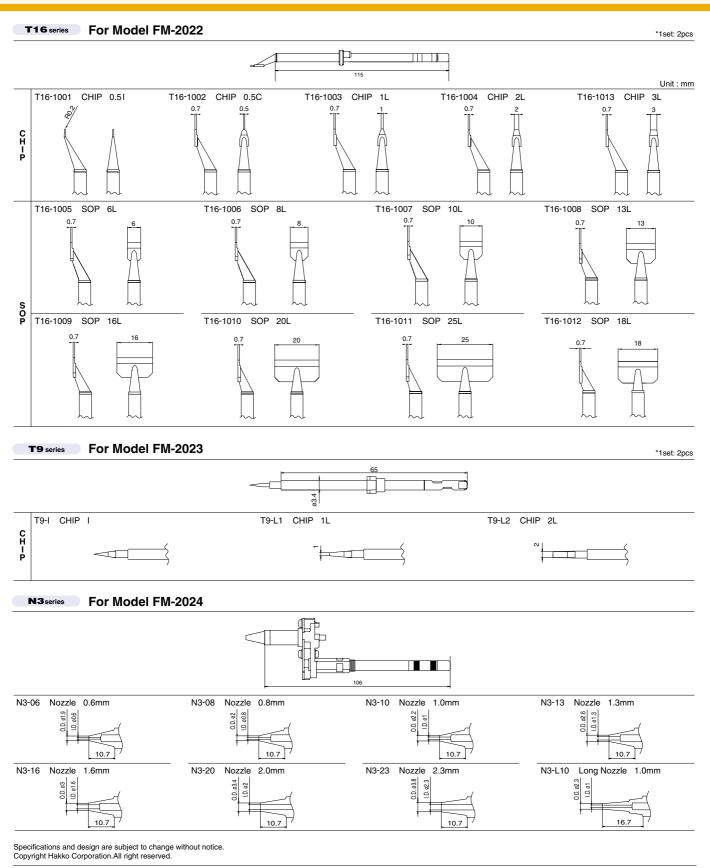
T15 series For HAKKO FM-2027





* Tinned on the soldering surface only.

** The iron tips marked with double asterisks (**) have a temperature accuracy of ±25°C. Others have a temperature accuracy of ±15°C. *** The part numbers T15-BCM2 and T15-BCM3 are not available for sale or use in the U.S.A.





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