

FM-206 High Performance 3-Port Rework Station

The most versatile and compact system for your
soldering, desoldering and **hot air rework** needs.

•
3 Stations-In-One!



NEW

HAKKO FM-206 **ESD SAFE**
REWORK SYSTEM

CUSTOMIZE your station for YOUR rework including FM-2027, FM-2024, FM-2022, FM-2023,

FM-206 3-Port Rework Station

The FM-206 rework station's sleek, compact design minimizes loss of bench space and its powerful ports allow the use of the FM-2029 single hot air handpiece and FM-2030 heavy duty soldering iron, making this the ultimate rework station.

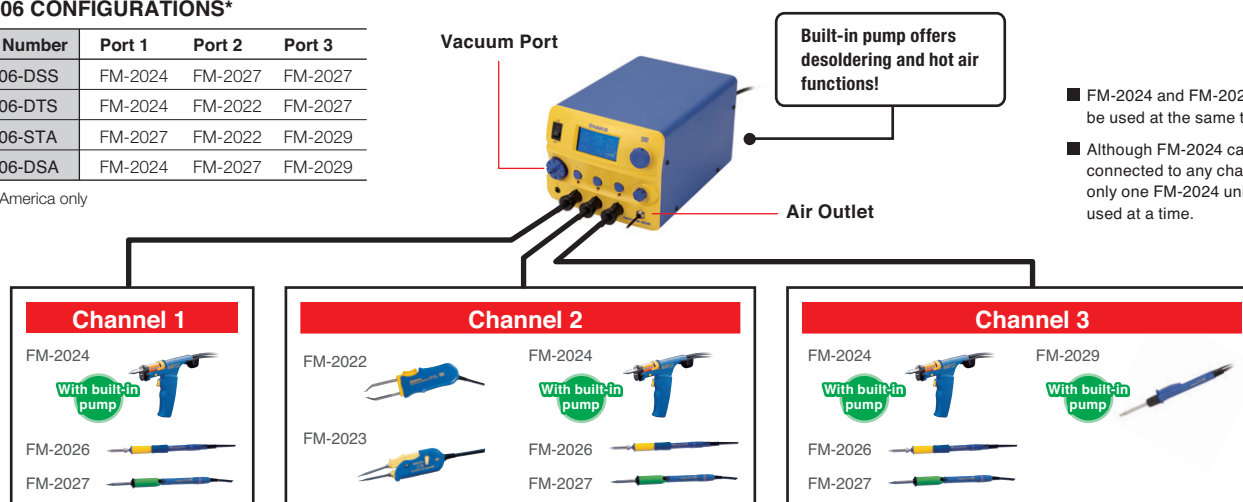
- Graphic User (LCD) Interface for easy setup and operation
- 3 simultaneous powered ports
- Self-contained pump for vacuum and air flow
- Digital airflow indicator
- Configurable display in °C or °F
- Manual or Auto modes
- Low cost composite hot air nozzles
- Capable of hot air rework of 0201, 01005, and up to 10x10mm QFN's.
- Meets or exceeds ANSI J-STD-001
- ESD safe by design
- Auto shutoff w/ sleep function
- Passcode protected
- Security lock to protect against theft/re-location



FM-206 CONFIGURATIONS*

Part Number	Port 1	Port 2	Port 3
FM206-DSS	FM-2024	FM-2027	FM-2027
FM206-DTS	FM-2024	FM-2022	FM-2027
FM206-STA	FM-2027	FM-2022	FM-2029
FM206-DSA	FM-2024	FM-2027	FM-2029

*North America only



Auto power shut-off function:

An energy-saving function that halts power supply to the heater if the tip is not used within the set time.

The 60-minute option has been added to the FM-206 to meet customers' requests

Sleep function:

A function to extend the life of the tip by reducing its oxidation; the tip temperature drops automatically when a set amount of time has elapsed after placing the handpiece on the iron holder.

Topics

If an unused soldering iron is kept supplied with power at a high temperature, the tip turns black due to oxidation, repelling solder. This occurs especially when lead-free solder is used, or when the iron is used without solder in processes such as correcting bridging. If the tip turns black due to oxidation, it is recommended to use HAKKO FT-700. The oxidized tip can be recovered to an ideal state simply by plating it with Hakko FS-100 tip polish again and repeating the removal of oxides using the soft rotating brush several times.



A remarkable change with one simple maintenance procedure

Blackened oxidized tip



Re-plated tip



needs with any Hakko FM Series hand piece; FM-2026, FM-2029 and FM-2030.

■ Handpiece



Soldering iron

FM-2027

Tip: T15 series

- Comprehensive lineup of more than 80 shapes
- Firmly locking sleeve ensures ease and safety of operation
- Four different color grips available
- Green grip standard for North America



N₂ soldering iron

FM-2026

Tip: T17 series

- Improved soldering performance due to preheating and antioxidant effect from N₂ gas heated inside the soldering tip
- Addresses problems such as bridging, protrusion icicle, and soldering defects caused by insufficient heat
- Recommended for lead-free solder



Desoldering tool

FM-2024

Tip: N3 series

- Available as pencil or gun type
- Disposable filter cartridge for easy maintenance
- Easy-to-operate, light-weight



SMD Hot Tweezers

FM-2022

Tip: T16 series

- Capable of removing chip components and SOPs up to 25 mm wide
- Features parallel action (one blade moves while the other remains stationary) providing better heat transfer and more secure hold onto the component

FM-2023

Tip: T9 series

- Capable of removing micro chip components of up to 2 mm wide



For FM-206 only

Hot Air Rework Pencil

FM-2029

Tip: N4 series

- Ultra-slim for optimal comfort and performance
- Start / Stop button on handle
- Removes 10 x 10 mm QFNs easily
- Quick-change nozzle



Heavy Duty Soldering Iron

FM-2030

Tip: T22 series

- 2X the power of FM-2027
- Slender, lightweight, one-piece design
- 16 different tip shapes available
- **Coming September 2011**

Specifications and packing list

HAKKO FM-206 ESD SAFE
REWORK SYSTEM

Typical Configuration



Packing list

HAKKO FM-206 station,
Tip tray,
Power cord,
FM-207 conversion kit
(x 2),
FM-204 conversion kit

Model No.	FM-207	FM-207	FM-204
Power consumption	70 W (24 V)	70 W (24 V)	70 W (24 V)
Temperature setting range	200 to 450°C	200 to 450°C	350 to 450°C
Tip to ground resistance	<2 Ω	<2 Ω	<2 Ω
Tip to ground potential, Leak Voltage	<2 mV	<2 mV	<2 mV
Total length (w/o cord)	188 mm (with 2.4D tip)	188 mm (with 2.4D tip)	180 mm (with φ1.0 mm nozzle)
Weight (w/o cord)	30 g (with 2.4D tip)	30 g (with 2.4D tip)	—
Weight (w/o cord and tube)	—	—	65 g (with φ1.0 mm nozzle)
Cord length	1.2 m	1.2 m	1.2 m
	T15 series tip	T15 series tip	N3 series nozzle

* Note: Tips and Nozzles not included

HAKKO FM-206

Model No.	FM-206
Power consumption	410 W (Max.)
Temp. stability	Tolerance at idling time ±5°C

Station

Output	24 V
Outer dimensions	162 (W) x 136 (H) x 245 (D) mm
Weight	6.2 kg
Air flow (Max.)	6 L/min.
Vacuum generator	Diaphragm pump
Vacuum pressure (Max.)	80 kPa (600 mmHg)
Suction flow	14 L/min.

* For the shape and price of each tip,
please refer to our website.
(For the N4 series nozzle,
please refer to the previous page.)

Optional handpiece



Model No.	FM-207	FM-206	FM-204	FM-202	FM-203	FM-209
Power consumption	70 W (24 V)	70 W (24 V)	70 W (24 V)	140 W (24 V)	140 W (24 V)	140 W (24 V)
Temperature setting range	200 to 450°C	200 to 450°C	350 to 450°C	200 to 400°C	200 to 400°C	100 to 500°C
Tip to ground resistance	<2 Ω	<2 Ω	<2 Ω	<2 Ω	<2 Ω	<2 Ω
Tip to ground potential, Leak Voltage	<2 mV	<2 mV	<2 mV	<2 mV	<2 mV	<2 mV
Standard tip	Not Included	Not Included	Not Included	Not Included	Shape I (No. T9-I)	Not Included
Total length (w/o cord)	188 mm (with 2.4D tip)	205 mm (with 2.4D tip)	180 mm (with φ1.0 mm nozzle)	148 mm (with SOP 25L tip)	117 mm (with Shape I tip)	232 mm (with φ4.0 mm nozzle)
Weight (w/o cord)	30 g (with 2.4D tip)	—	—	64 g (with SOP 25L tip)	37 g (with Shape I tip)	—
Weight (w/o cord and tube)	—	45 g (with 2.4D tip and nozzle assembly C)	65 g (with φ1.0 mm nozzle)	—	—	50 g (with φ4.0 mm nozzle)
Cord length	1.2 m	1.2 m	1.2 m	1.2 m	1.2 m	1.2 m
	T15 series tip	T17 series tip	N3 series nozzle	T16 series tip	T9 series tip	N4 series nozzle

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