

# 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!



**■ Packing list**

HAKKO FM-206 station,  
Tip tray,  
Power cord,  
FM-2027 conversion kit,  
FM-2024 conversion kit,  
FM-2029 conversion kit

Model No.	FM-2027	FM-2024	FM-2029
Power consumption	70 W (24 V)	70 W (24 V)	140 W (24 V)
Temperature setting range	200 to 450°C	350 to 450°C	100 to 550°C
Tip to ground resistance	<2 Ω	<2 Ω	<2 Ω
Tip to ground potential	<2 mV	<2 mV	<2 mV
Total length (w/o cord)	188 mm (with shape 2.4D tip)	—	—
Total length (w/o cord and tube)	—	180 mm (with φ1.0 mm nozzle)	232 mm (with φ4.0 mm nozzle)
Weight (w/o cord)	30 g (with shape 2.4D tip)	—	—
Weight (w/o cord and tube)	—	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

\* For FM-2027, in some areas a cleaning sponge (No. A1536) is included instead of a cleaning wire (No. 599B-02).

**■ HAKKO FM-206**

Model No.	FM-206
Power consumption	MAX 410 W (450 W)
Temp. stability	±5°C at idle temperature

**CAUTION:** Power consumption is different depending on Standards.

**■ Station**

Output	24 V
Dimensions	162 (W) x 136 (H) x 245 (D) mm
Weight	6.2 kg
Capacity (Max.)	6 L/min.

Vacuum generator	Vacuum pump, cylinder type
Vacuum pressure (Max.)	80 kPa (600 mmHg)
Suction flow	14 L/min.

**Optional conversion kit** \* For the shape of each tip and nozzle, please refer to our website.



Model No.	FM-2022	FM-2023	FM-2024	FM-2026	FM-2027
Power consumption	140 W (24 V)	140 W (24 V)	70 W (24 V)	70 W (24 V)	70 W (24 V)
Temperature setting range	200 to 400°C	200 to 400°C	350 to 450°C	200 to 450°C * Do not set the temperature over 400°C.	200 to 450°C
Tip to ground resistance	<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
Standard tip	Not Included	Shape I (No. T9-I)	—	Not Included	Not Included
Total length (w/o cord)	148 mm (with SOP 25L tip)	117 mm (with Shape I tip)	180 mm (with φ1.0 mm nozzle)	—	188 mm (with shape 2.4D tip)
Total length (w/o cord and tube)	—	—	—	205 mm (with shape 2.4D tip)	—
Weight (w/o cord)	64 g (with SOP 25L tip)	37 g (with Shape I tip)	65 g (with φ1.0 mm nozzle)	—	30 g (with shape 2.4D tip)
Weight (w/o cord and tube)	—	—	—	45 g (with shape 2.4D tip and nozzle assembly C)	—
Cord length	1.2 m	1.2 m	1.2 m	1.2 m	1.2 m

\* For FM-2026, in some areas a cleaning sponge (No. A1536) is included instead of a cleaning wire (No. 599B-02).



Model No.	FM-2029	FM-2030	FM-2031	FM-2032
Power consumption	140 W (24 V)	140 W (24 V)	140 W (24 V)	48 W (24 V)
Temperature setting range	100 to 550°C	200 to 500°C	200 to 500°C	200 to 450°C
Tip to ground resistance	<2 Ω	<2 Ω	<2 Ω	<2 Ω
Tip to ground potential, Leak Voltage	<2 mV	<2 mV	<2 mV	<2 mV
Standard tip	—	Not Included	Not Included	Not Included
Total length (w/o cord)	—	224 mm (with shape 2.4D tip)	231 mm (with shape 2.4D tip)	170 mm (with shape 1D tip)
Total length (w/o cord and tube)	232 mm (with φ4.0 mm nozzle)	—	—	—
Weight (w/o cord)	—	41 g (with shape 2.4D tip)	47 g (with shape 2.4D tip and nozzle assembly E)	14 g (with 1D shape tip)
Weight (w/o cord and tube)	50 g (with φ4.0 mm nozzle)	—	—	—
Cord length	1.2 m	1.3 m	1.2 m	1.3 m

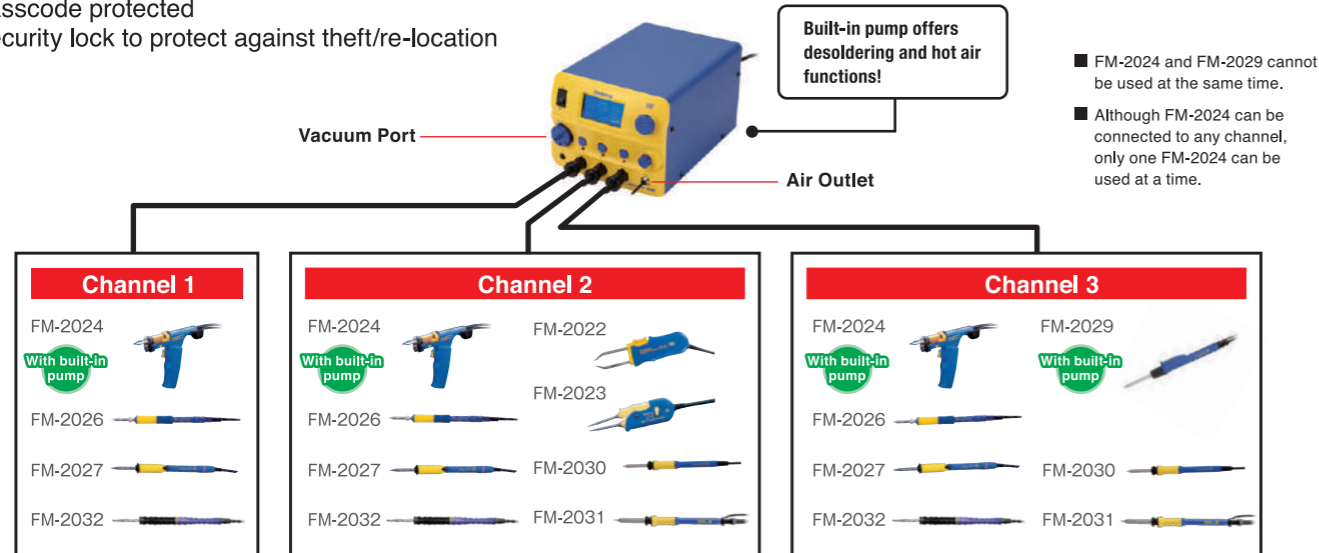
# CUSTOMIZE your station for YOUR rework needs with any HAKKO FM Series handpiece.

All tips and nozzles are heater-integrated type for simple and easy replacement.

## 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 10x10 mm 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



## Handpiece



### Soldering iron

**FM-2032**  
Micro type

**Tip: T30 series**

- Ideal for micro-soldering applications under a microscope
- Work efficiency improved for minute and high-density components

**FM-2027**  
Standard type

**Tip: T12 series (Asia/Oceania)  
T15 series (Europe/North America)**

- Comprehensive lineup of more than 80 shapes
- Firmly locking sleeve ensures ease and safety of operation
- Four different color grips available

**FM-2030**  
Heavy duty type

**Tip: T22 series**

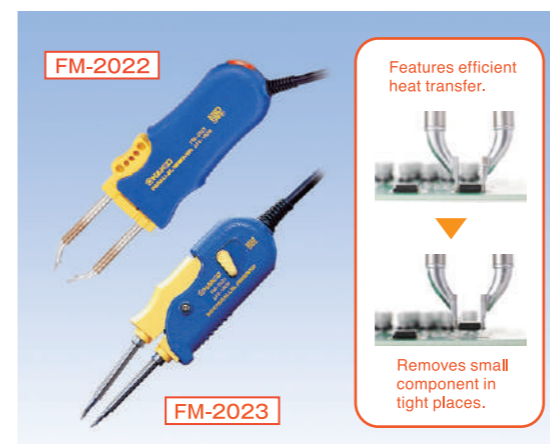
- Twice the power of FM-2027
- Slender, lightweight, one-piece design
- 16 different tip shapes available

### N<sub>2</sub> soldering iron

**FM-2026** Standard type  
**FM-2031** Heavy duty type

**Tip: T13 series (Asia/Oceania)  
T17 series (Europe/North America)**

- Improved soldering performance due to preheating and antioxidant effect from N<sub>2</sub> 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



### SMD hot tweezers

**FM-2022**

**Tip: T8 series (Asia/Oceania)  
T16 series (Europe/North America)**

- Capable of removing chip components and SOPs up to 25 mm wide

**FM-2023**

**Tip: T9 series**

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



### Hot air pencil

**FM-2029**

**Nozzle: N4 series**

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



### Desoldering tool

**FM-2024**

**Nozzle: N1 series (Asia/Oceania)  
N3 series (Europe/North America)**

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

### 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

#### The LCD display panel provides a new level of convenience!

See the status of each channel at a glance. For example, you can confirm on the panel even when one of the soldering irons is powered off. Setting adjustments can be performed easily using the rotary dial as you follow instructions from the panel.

