



Nozzle not included

### FR-850 SMD Rework Station

Station, Handpiece (FR-8501), Iron holder (FH-225), USB cable, Power cord, Instruction manual

The dedicated software is available for download on HAKKO website.

#### Specifications

Model No.	FR-850
Power consumption	112 W
Temperature range	50 to 600 °C

#### Station

Power consumption	7 W
Air flow	1.5 to 5 L/min.
Dimensions	98 (W) × 140 (H) × 165 (D) mm
Weight	1.8 kg

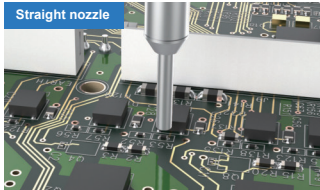
#### Handpiece

Power consumption	105 W (24 V)
Nozzle to ground resistance	< 2 Ω
Nozzle to ground potential	< 2 mV
Heating element	Composite heater
Cord length	1.2 m
Total length (w/o cord)	227 mm (with NA01-C20 nozzle)
Weight (w/o cord)	70 g (with NA01-C20 nozzle)

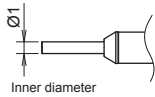
\* The airflow values are approximate. The airflow range may vary depending on the nozzle attached.

### Applicable nozzles NA01 series nozzle

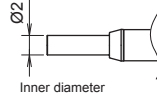
#### Straight nozzle



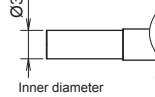
NA01-C10



NA01-C20

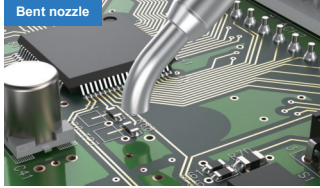


NA01-C30

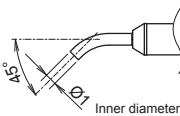


Unit : mm

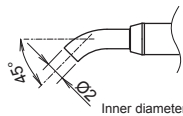
#### Bent nozzle



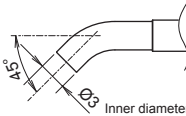
NA01-CB10



NA01-CB20



NA01-CB30



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<https://www.hakko.com>

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Reliable Thermal Solutions  
for Advanced PWBs

## FR-850

SMD Rework Station  
- Micro Hot Air



# Micro Hot Air with a wide temperature range and fine airflow control - Ideal for precise rework on high thermal mass PWBs and delicate miniature components

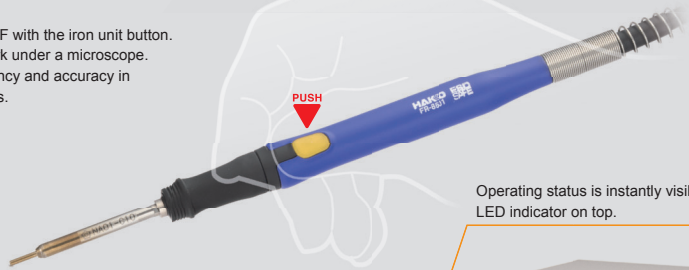
Enables precise rework of densely packed SMDs without affecting surrounding components

**50 ~ 600 °C**  
Set Temperature Range

**1.5 ~ 5 L/min**  
Air Volume

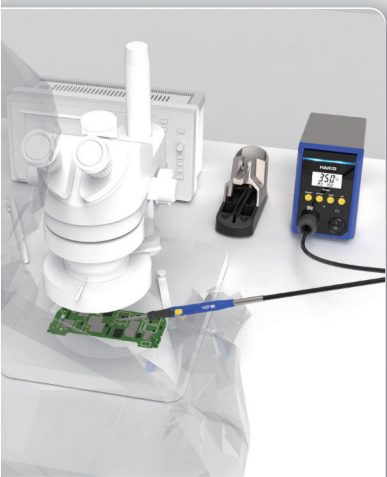
## Hot Air ON/OFF at Your Fingertips Perfect for Work Under a Microscope

**ACTION 1** Control hot air ON/OFF with the iron unit button. Ideal for precision work under a microscope. Enhances both efficiency and accuracy in micro-scale operations.



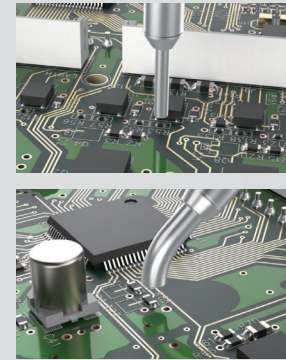
Operating status is instantly visible with LED indicator on top.

**ACTION 2** Wide top-mounted button is also for hot air ON/OFF control.



## Six Nozzle Types for a Wide Range of Applications

Provides straight and bent nozzles. The bent nozzle allows hot air to be efficiently directed at components during microscope-assisted operations. Cartridge-style design enables quick and tool-less nozzle replacement.



Inner diameter  $\Phi 1$  Straight    Inner diameter  $\Phi 2$  Straight    Inner diameter  $\Phi 3$  Straight    Inner diameter  $\Phi 1$  Bent    Inner diameter  $\Phi 2$  Bent    Inner diameter  $\Phi 3$  Bent



### Compact Design

55% smaller footprint compared to conventional models. Ideal for space-saving in work environments.



### Auto Cooling Function

Equipped with an auto-cooling function that activates simply by placing the iron on the stand.



### Temperature Measurement

Hot air temperature measurement is possible by installing the A1557 sensor on the stand.



### Software

By connecting the station to a PC, the set temperature of the hot air, calibration/correction, and the hot air temperature history during operation can be recorded on the PC. Enables management with zero human error.



### Intuitive Operation

All settings can be easily adjusted with just four buttons.



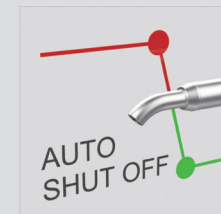
### Iron stand

One-touch nozzle attachment and removal ensures safe and easy handling. Capable of storing up to four nozzles.



### Infrared Communication

Automatic calibration and correction can be completed by transmitting the measurement data from the thermometer (FG-100B/FG-101B) to the main unit, via infrared.



### Auto Shutoff

Auto shutoff function reduces unnecessary power consumption and minimize equipment wear.