



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.

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

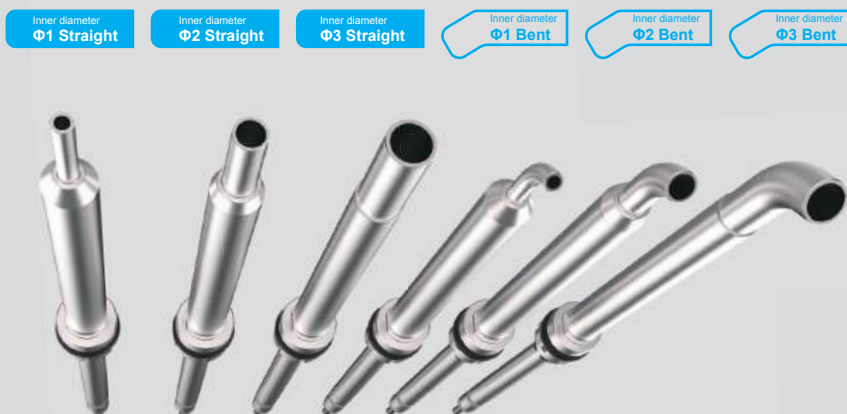


Operating status is instantly visible with LED indicator on top.



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.



Compact Design

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



Intuitive Operation

All settings can be easily adjusted with just four buttons.



Auto Cooling Function

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



Iron stand

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



Temperature Measurement

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



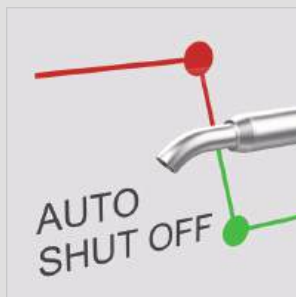
Infrared Communication

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.



Software

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



Auto Shutoff

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



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)

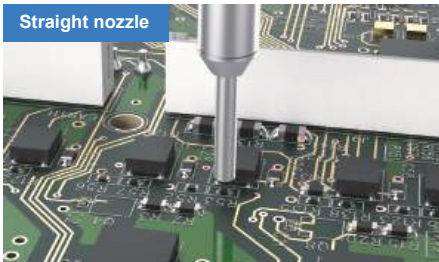
* The airflow values are approximate. The airflow range may vary depending on the nozzle attached.

Applicable nozzles

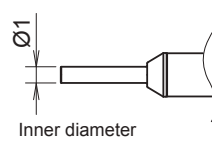
NA01 series nozzle

Unit : mm

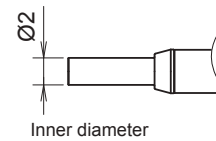
Straight nozzle



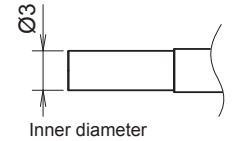
NA01-C10



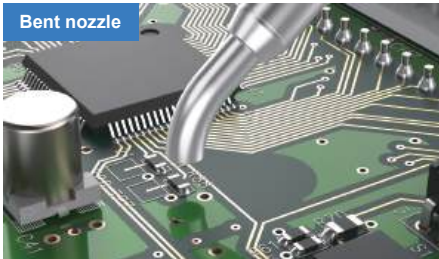
NA01-C20



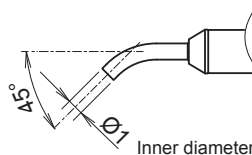
NA01-C30



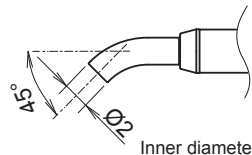
Bent nozzle



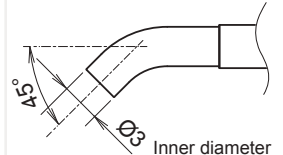
NA01-CB10



NA01-CB20



NA01-CB30



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