

Infrared
Type

HAKKO FR-872 **ESD SAFE**
PREHEATER

NEW

New large-size preheater

for large-size boards
to make your job easier



FR-872

Packing List



HAKKO FR-872 Preheater

CONTENTS: Heater unit, Thermocouple (type K), Power cord, Heater lamp (spare), Instruction manual

Replacement Parts

Part No.	Part name
A5003	Heater 100-120 V
A5004	Heater 220-240 V
B3516	Thermocouple (type K)

Specifications

Power consumption	100 V-1050 W, 110 V-1250 W, 120 V-1440 W 220 V-1150 W, 230 V-1250 W
Operation mode	Power Mode•T/C Mode Auto Power Mode•Auto T/C Mode
Setting range	Power mode: 0 to 100% T/C mode: 50 to 200°C Set time: 0 to 999 seconds
Heating element	High Efficiency Carbon Heater
Effective heated area	224(W)× 266(D)mm (8.8 x 10.5 in.)
Heater area dimensions	286(W)× 350(D)mm (11.3 x 13.8 in.)
Heater Zone	4
Temperature sensor	K-type thermocouple
Heater Lamp Lifetime	2,100 hours
Heater Control	Power Mode: Percentage-based system T/C Mode: PID control
External Connections	Start signal input possible
Dimensions	100-120 V: 360 (W) x 97(H) x 535 (D)mm (14.2 x 3.8 x 21.1 in.) 220-230 V: 360 (W) x 97(H) x 524 (D)mm (14.2 x 3.8 x 20.6 in.)
Weight	5.6 kg (12.4 lb.)

* Weight excludes the weight of the cord.

* Heater lamp life is provided for reference purpose only and is not guaranteed.

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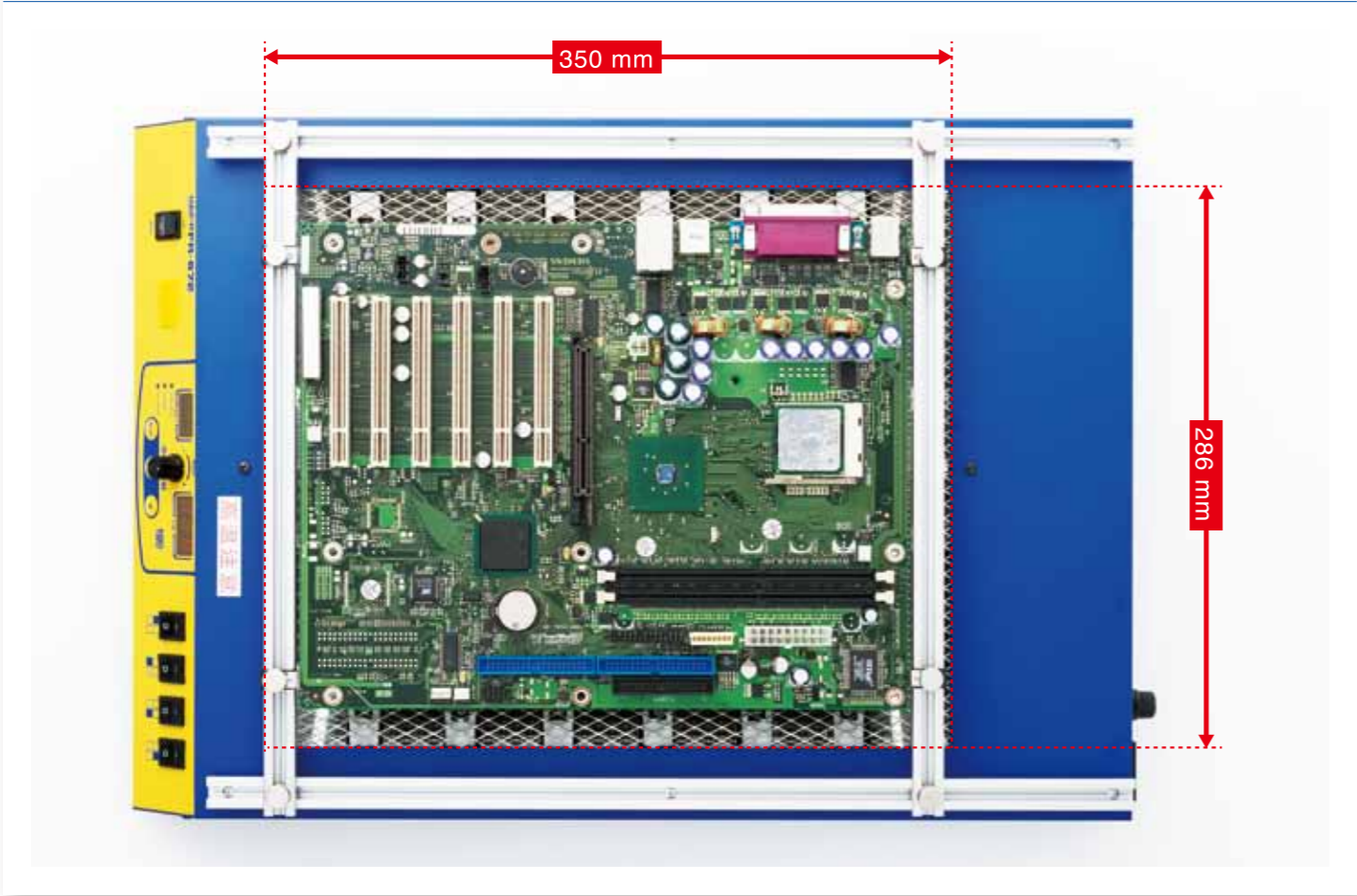
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FR-872 can make your job easier with larger heating area where carbon heaters are on-board

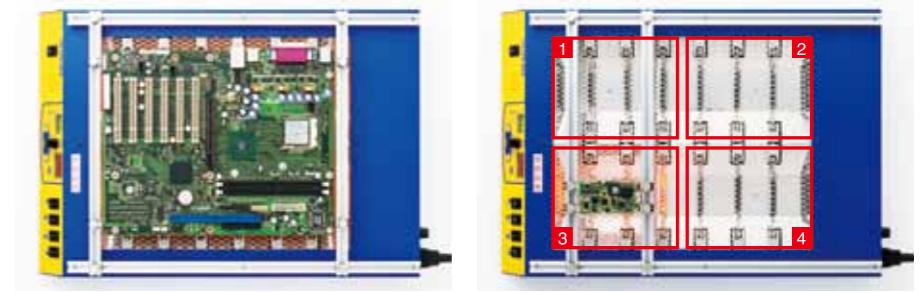
The heating area is made larger to accept larger size boards. What's more, the unit's carbon heater employs a non-contact heating system that makes this updated model ideal for reworking or mounting post-production components on high-capacity boards, where solder does not always melt easily, and on other workpieces.

Point 1 Larger heating area for large-size boards



Point 2 Four-Zone heating area

The heating area has been split into **four zones** that can be independently activated, making it possible to heat all of the board or only necessary areas when reworking large boards or to turn off unnecessary areas when reworking small boards.



Point 3 High efficiency carbon heater

New high efficiency heating elements increase preheat performance striking a balance to mitigate IR shadowing while reducing glare from full spectrum heaters.



New high efficiency carbon filament IR heaters

Shown at an output power of 100%

Point 4 Four selectable modes to fit your process

Power Mode

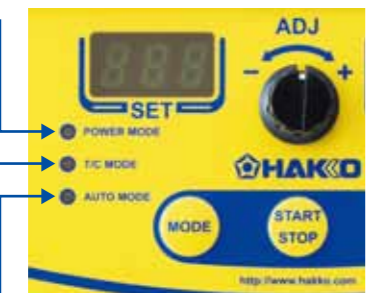
Lets you set output power intensity from 0% to 100%.

T/C (Temperature Control) Mode

External sensor controls output to maintain a selected temperature of the board and components.

Auto Mode

Lets you control output or temperature in three timed profile steps.



Point 5 Adjustable board attachment guides



Board attachment guides can be adjusted easily to suit the size of the board.

Boards can be attached and removed easily after the guides have been adjusted to fit.



Sold separately Hot air operation integrated with preheater operation

When used in conjunction with a hot air rework system (FR-803B or FM-206), the preheater unit (FR-872) itself turns on and off in sync with the operation of the rework system's on/off switch. This function helps the two systems to work together in a thermal rework profile.



HAKKO FR-803B SMD Rework Station



HAKKO FM-206 Rework System*

*The only handpiece compatible with the integration operation function is the FM-2029 hot air handpiece.