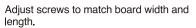
## Board attachment system facilitates continuous work

Once a PWB is positioned, boards of the same dimensions can be removed or attached in a single motion. This design greatly facilitates continuous work.







Boards are hot after operation and must be handled with care



Spring-loaded attachment and removal system makes setting and removing boards a breeze.

## 5 Convenient design for easy everyday maintenance

The reflector plate can be removed by simply removing the four screws on the base of the unit.

This simple design makes it easy to clean flux and components that have dropped onto the reflector plate.



### Packing List

#### **HAKKO FR-870** Preheater

Preheater unit. thermocouple (type K), power cord. heater lamp (spare), instruction manual



Rep	lacem	ent F	arts

Part No.	Part Name
A1574	Heater lamp (100 V,110 V, 120 V)
A1606	Heater lamp (220 V, 230 V, 240 V)
B3516	Thermocouple (type K)

### Specifications

Power consumption	460 W (100 V)			
	520 W (110 V)			
	600 W (120 V)			
	1400 W (220 V)			
	1500 W (230 V)			
Operation modes	Power mode, T/C mode			
	Power auto mode, T/C auto mode			
Setting range	Power mode: 0–100%			
	T/C mode: 50–200°C			
	Set time: 0–999 s			
Heating element	Halogen heater (100 V, 110 V, 120 V)			
	Carbon heater (220 V, 230 V)			
Effective heated area	190 (W) × 80 (D) mm			
Heater area dimensions	248 (W) × 140 (D) mm			
Work grid partitions	2			
Temperature sensor	K-type thermocouple			
Dimensions	290 (W) x 100 (H) x 308 (D) mm			
Weight	3.4 kg			
Lamp lifetime	2,000 hr*			
Lamp control	Power mode: Percentage-based system T/C mode: PID control			
External inputs	Start signal input possible			
*Figure is provided for reference purposes only and is not guaranteed.				

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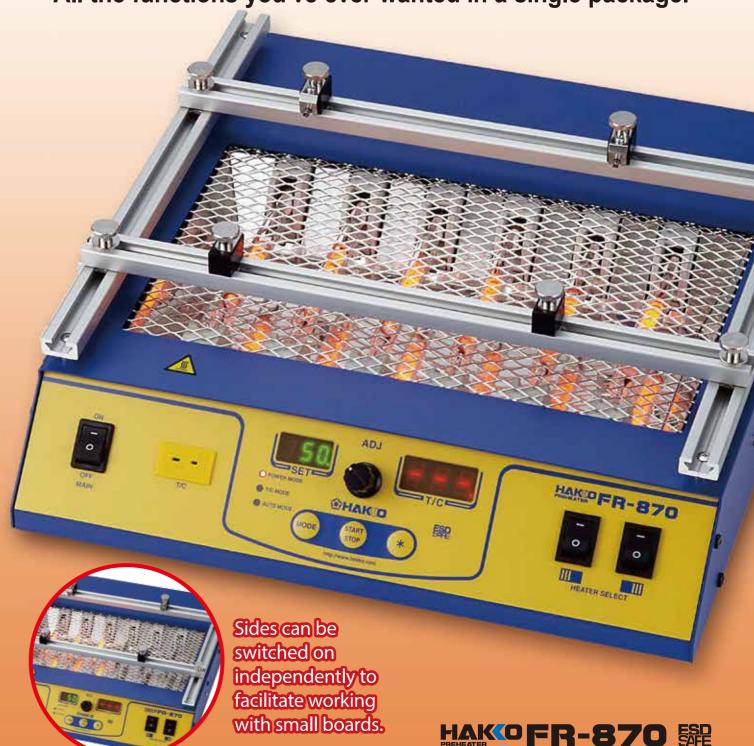
Please access to the following for the other Sales affiliates. http://www.hakko.com

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# Infrared lamps provide powerful support for insufficient heat when reworking and mounting post-production add-ons

Sensor function for more accurate temperature control. All the functions you've ever wanted in a single package.



# **Entire work surface heats rapidly for instant use and improved efficiency**

Six lamp heaters let you preheat the whole board in next to no time after turning the power on. Full-board heating and quick temperature ramping let you get the job done quickly when reworking or mounting post-production components to multilayer substrates that require greater thermal capacity. As it does not contaminate the air, the HAKKO FR-870 also offers powerful support for a clean workplace environment in industrial applications.

Quick temperature ramping just like a regular infrared heater. Instant warmth at the flick of a switch.

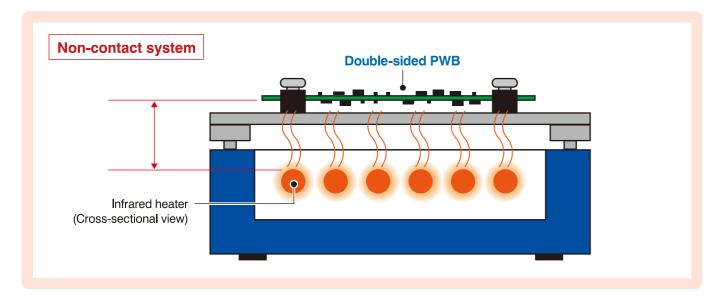
Doesn't contaminate the air.





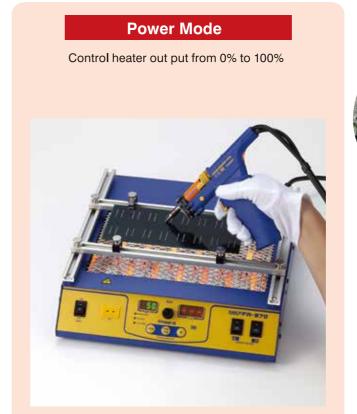
# Non-contact system can be used with double-sided boards

Non-contact system allows preheating of double-sided boards, which hot plates cannot handle.



## **Set thermal profiles**

Auto mode step-heating method (maximum of three steps/step 1–3) heats PWBs slowly and evenly, letting you transmit 100% of the heat energy from a rework system and soldering iron. You'll never be forced to work with a higher set temperature due to insufficient heat again.





Auto Mode Auto mode provides three steps (Step 1 to 3) to create an optimal heating profile for the work in question, letting all operators consistently produce work of the same quality. Programs can be set for ten channels in each mode.

