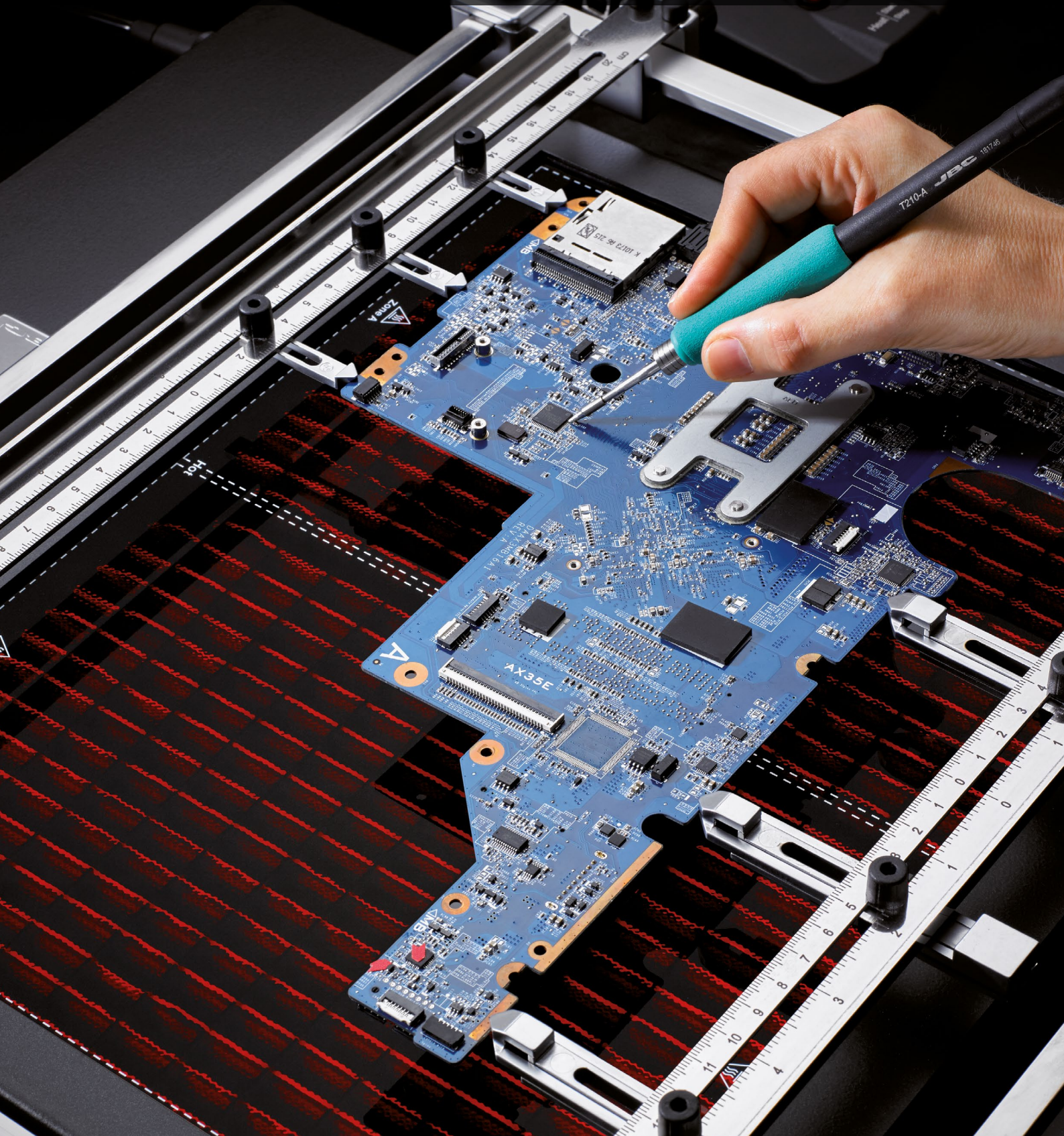


JBC

www.jbctools.com



Top quality soldering, minimum thermal stress

PCB Preheaters

PCBs Preheaters

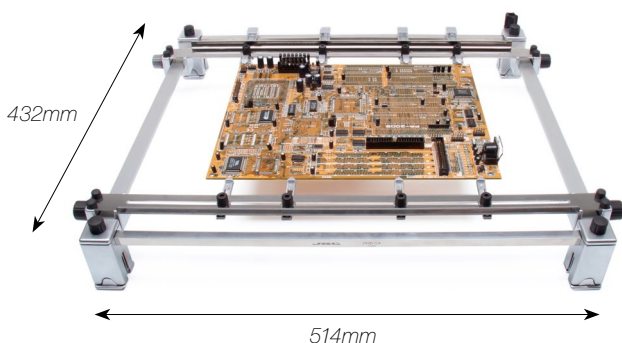
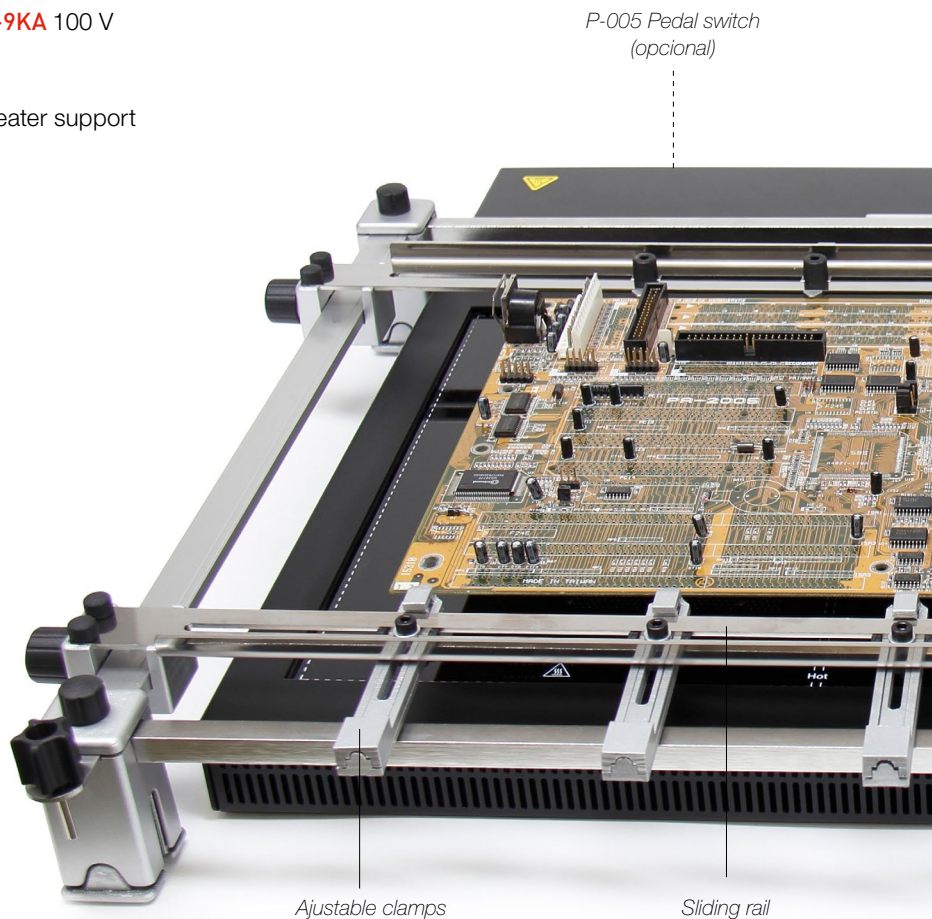
- ▶ Improve soldering quality. Work at lower temperatures and in less time
- ▶ Top quality results. It reduces the risk of thermal stress on PCBs and components
- ▶ Essential for soldering on multilayered boards

Convection Preheater Set

Ref. **PHBE-1KA** 120 V, **PHBE-2KA** 230 V, **PHBE-9KA** 100 V

Includes PHBE-A Preheater
PHB-SA PHB Preheater support
PHB Heating Area 360 x 277 mm

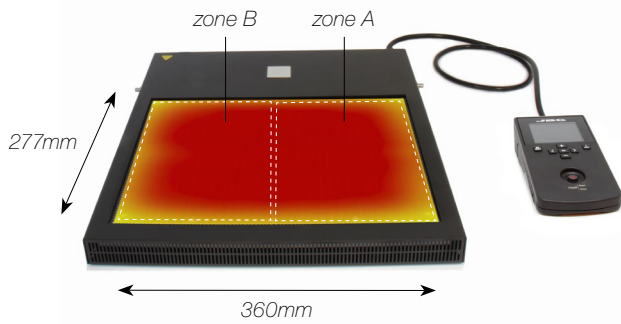
- ▶ **Uniform** heat distribution
- ▶ The complete solution for preheating **large** PCBs
- ▶ **Two independent** heating zones
- ▶ The heater is protected by **high resistance glass**



PHB Preheater Support

Ref. **PHBE-SA**

Adaptable to all PCBs. It has three adjustable heights and accepts all size and shapes.

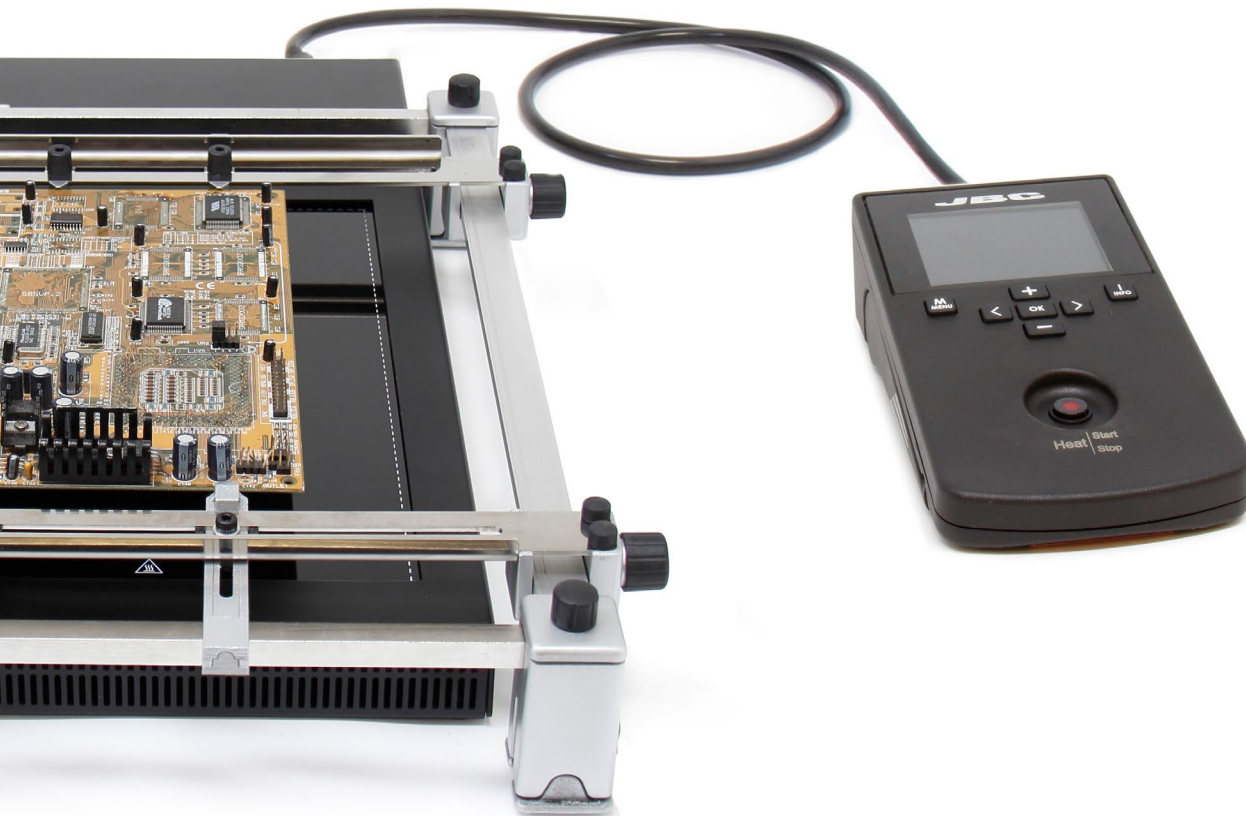


Preheater unit

Ref. **PHBE-1A** 120 V, **PHBE-2A** 230 V, **PHBE-9A** 100 V

Includes: Heater Unit and Console

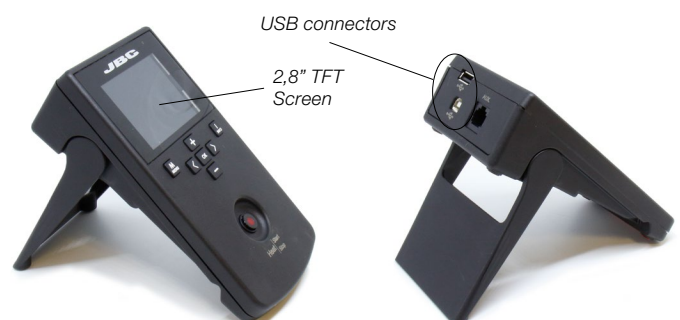
Convection provides a uniform distribution of heat. Its **gradual heating** system reduces the risk of thermal stress



Console

Easy monitoring of the process using the thermocouple (type K). JBC Offers **3 preset temperature profiles** and 25 more user defined profiles according to suit all your needs.

The control Thermocouple follows a temperature profile precisely and with the auxiliary thermocouple the PCB's components will be protected.



Infrared Preheater Set

Ref. **PHSE-1KA** 120 V, **PHSE-2KA** 230 V, **PHSE-9KA** 100 V

Includes PHSE-A IR Preheater
PHSE-SA IR Preheater Support
PHS Heating Area 130 x 135 mm

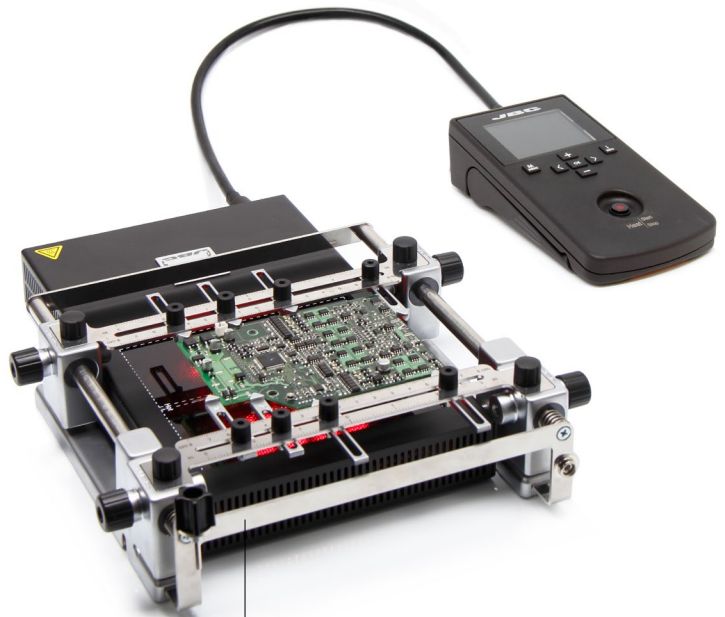
▶ With the same features as the PHB model, it is the complete answer for **preheating small PCBs**

IR Preheater unit

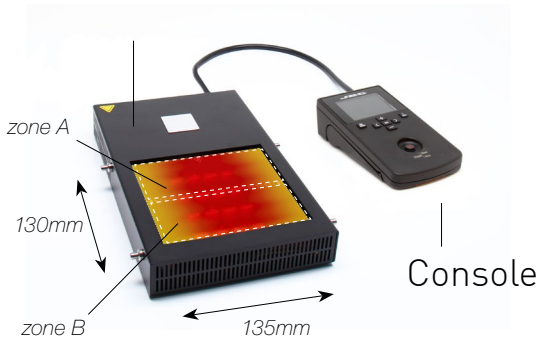
Ref. **PHSE-1A** 120 V, **PHSE-2A** 230 V, **PHSE-9E** 100 V

Includes: Heater Unit and Console

The low thermal inertia of the infrared lamps with high heating capacity provides a fast response adjusting to the selected profile. Designed to give maximum uniform heating which guarantees the best results.



Heater unit



IR Preheater support

Ref. **PHSE-SA**

The base has different grooves for a precise alignment with the heater.

Preheater Comparison Technical Specifications

	PHSE-A	PHBE-A
Heating Area	65 x 135 mm (2.55 x 5.31 in) - 1 zone 130 x 135 mm (5.11 x 5.31 in) - 2 zones	180 x 277 mm (7.08 x 10.9 in) - 1 zone 360 x 277 mm (14.17 x 10.9 in) - 2 zones
Voltage - Maximum power	PHSE-1A 120V, 50 / 60Hz - 500 W PHSE-2A 230V, 50 / 60Hz - 500 W PHSE-9A 100V, 50 / 60Hz - 500 W	PHBE-1A 120V, 50 / 60Hz - 1800 W PHBE-2A 230V, 50 / 60Hz - 1800 W PHBE-9A 100V, 50 / 60Hz - 1400 W
Heating system	Infrared	Convection
Temperature range	50 - 250 °C (120 - 482 °F)	50 - 250 °C (120 - 482 °F)
Maximum working temperature	600 min. or unlimited	600 min. o unlimited
JBC set temperature profiles	3 profiles (2, 3 or 4 steps)	3 profiles (2, 3 or 4 steps)
User defined temperature profiles	up to 25 (6 steps per profile)	up to 25 (6 steps per profile)
Temperature measurement	Thermocouple type K (x4)	Thermocouple type K (x4)
Dimensions	173 x 282 x 41 mm (8.81 x 10.10 x 1.61 in)	404 x 440 x 41 mm (15.90 x 17.32 x 1.61 in)
Weight	2,9 kg (6.39 lb)	6,9 kg (15.3 lb)

