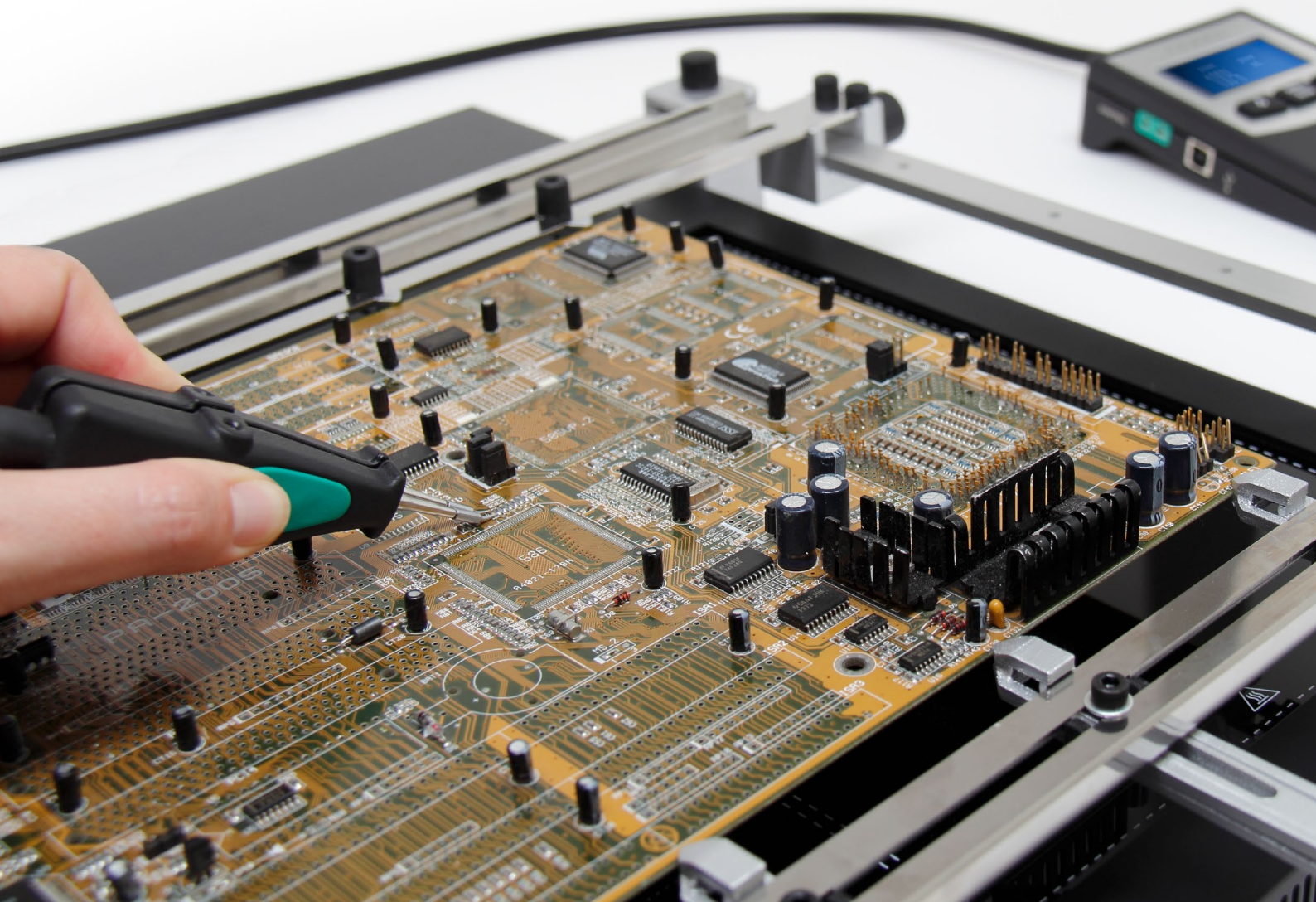


# **JBC**

[www.jbctools.com](http://www.jbctools.com)



## **PCB Preheaters**

Top quality soldering  
Minimum thermal stress

# Why preheat a PCB?

## Improve soldering quality

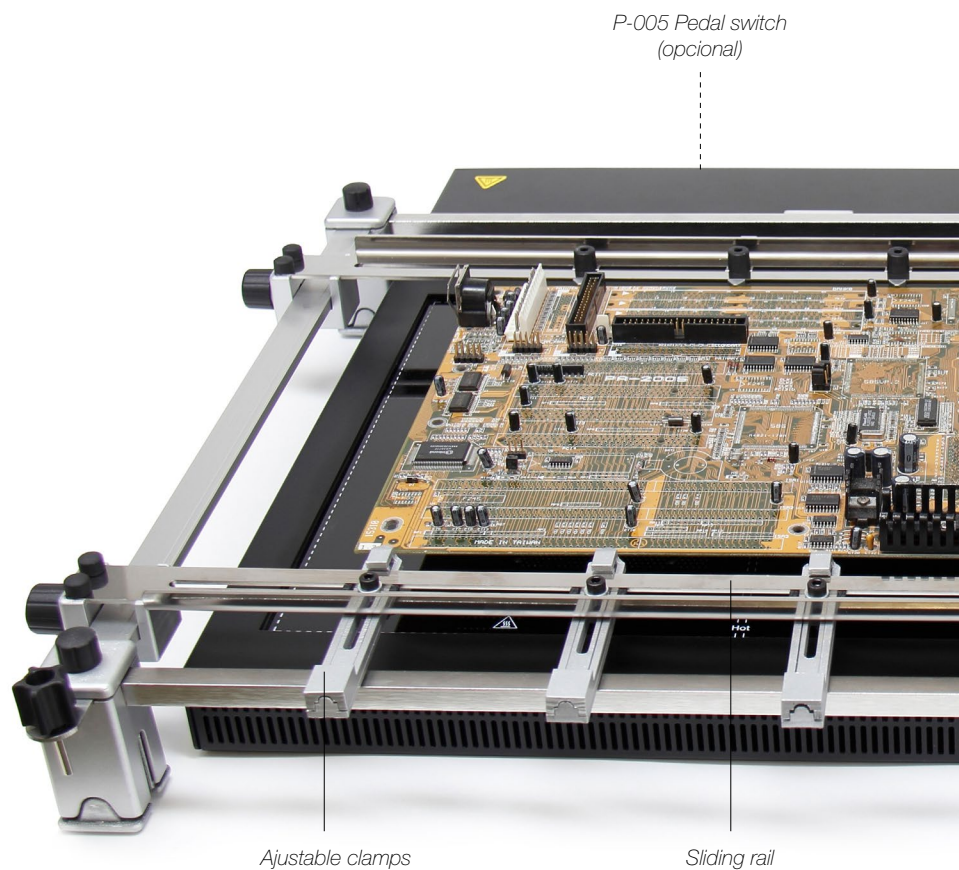
Work at lower temperatures  
and in less time

## PHB-KA Convection Preheater Set

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

Includes	PHB-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**

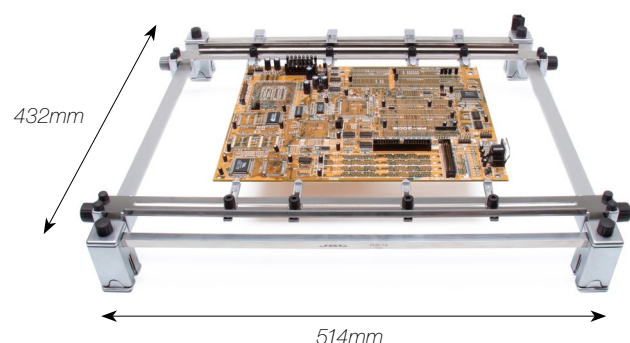


### PHB Preheater Support

Ref. **PHB-SA**

**Adaptable** to all PCBs.

It has three adjustable heights and accepts all size and shapes.





## Top quality results

It reduces the risk of thermal stress on PCBs and components

Essential for soldering on **multilayered boards**

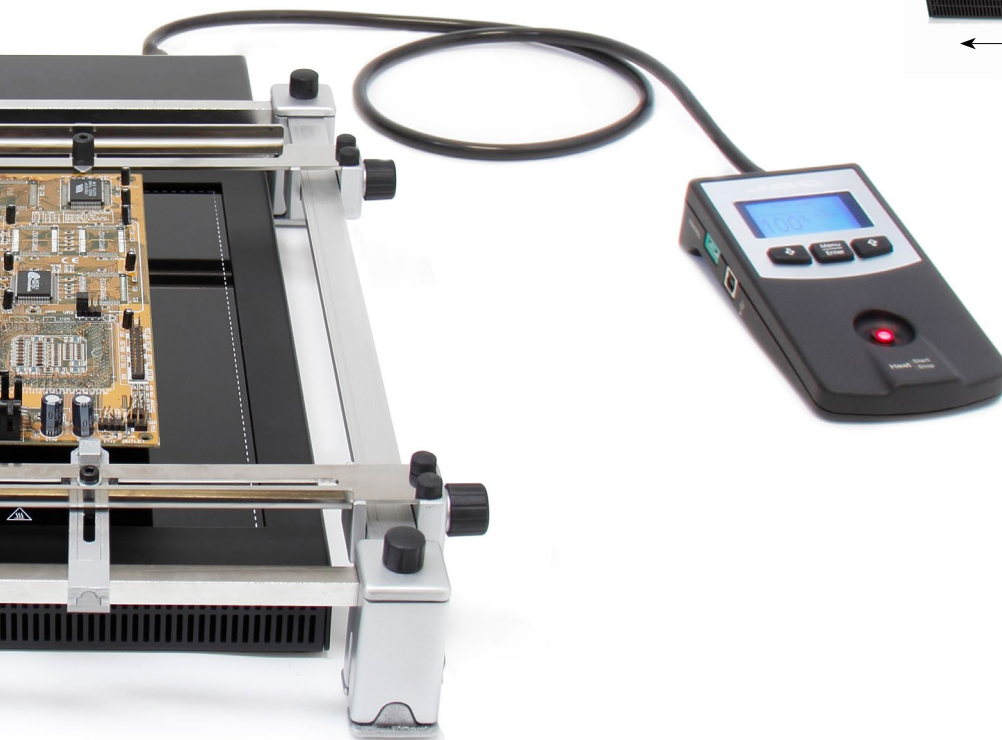
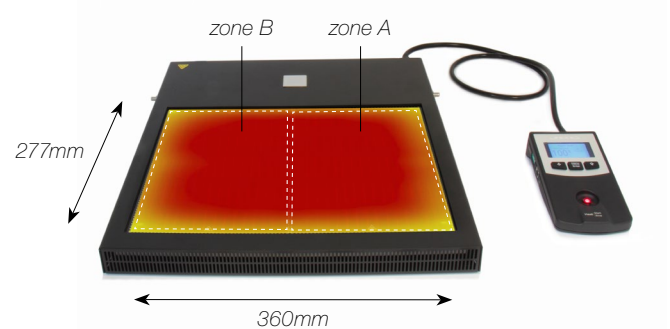
### PHB-A Preheater

Includes: Heater Unit and Console

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

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

#### Heater Unit



#### Console

**Easy monitoring** of the process using the thermocouple (type K).

JBC Offers **3 preset temperature profiles** and 20 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.



# PHS-KB Infrared Preheater Set

Ref. **PHS-1KB** 120 V, **PHS-2KB** 230 V, **PHS-9KB** 100 V

<b>Includes</b>	PHS-B IR Preheater PHS-SA IR Preheater Support
<b>PHS Heating Area</b>	130 x 135 mm

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

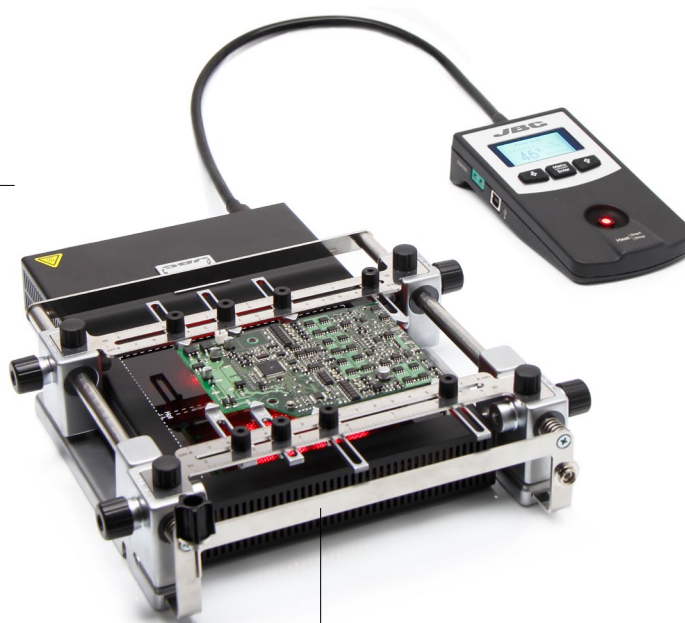
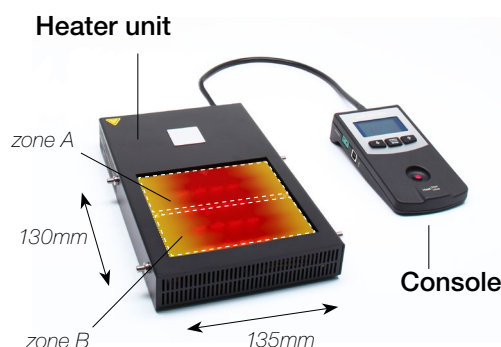
## PHS-B IR Preheater

Includes: Heater Unit and Console

Ref. **PHS-1B** 120 V, **PHS-2B** 230 V, **PHS-9B** 100 V

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.



## PHS IR Preheater support

Ref. **PHS-SA**

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

## Preheater Comparison

### Technical Specifications

	PHS-B	PHB-A
Heating Area	65 x 135 mm (1 zone) 130 x 135 mm (2 zones)	180 x 277 mm (1 zone) 360 x 277 mm (2 zones)
Voltage - Maximum power	<b>PHS-1B</b> 120V, 50 / 60Hz - 500 W <b>PHS-2B</b> 230V, 50 / 60Hz - 500 W <b>PHS-9B</b> 100V, 50 / 60Hz - 500 W	<b>PHB-1A</b> 120V, 50 / 60Hz - 1800 W <b>PHB-2A</b> 230V, 50 / 60Hz - 1800 W <b>PHB-9A</b> 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 20 (6 steps per profile)	up to 20 (6 steps per profile)
Temperature measurement	Thermocouple type K	Thermocouple type K
Dimensions	173 x 282 x 41 mm	404 x 440 x 41 mm
Weight	2,9 kg (6.39 lb)	6,9 kg (15.3 lb)

