

# **PCB Preheaters**

Reduce the risk of thermal shock while reworking





Matchless reliability in temperature accuracy and control of the PCBA so that no component is damaged.

Heating Area

3 Work Modes (Power, Temperature, Profile) safer and easier with up to 8 thermocouples.

Independent work zones to be turned on/off.

Heating Area Zone B Heating Area Zone A Heating Area Heating Area Nano Preheater Small Preheater Large Preheater PHSK (Preheater Set reference) PHBK (Preheater Set reference)

PHNK (Preheater Set reference)

Max. Heating Area: 108 x 70 mm 4.25 x 2.75 in

300 W Maximum power: Thermocouples:

179 x 165 x 41.5 mm Dimensions: 7.04 x 6.5 x 1.63 in (preheater unit)

Weight: 1.2 kg 2.6 lb (preheater unit)

Max. Heating Area: 130 x 135 mm 5.12 x 5.31 in (Zone A+B) Maximum power: 600 W Thermocouples:

195 x 288 x 41.5 mm Dimensions: 7.68 x 11.34 x 1.63 in

Weight: 1.74 kg (preheater unit)

### XL Preheater

PHXK (Preheater Set reference)

Max. Heating Area: 510 x 610 mm 20 x 24 in (6 zones) 5400 W Maximum power: Thermocouples:

790 x 664 x 42 mm Dimensions: 31.1 x 26.1 x 1.65 in (preheater unit)

Weight: 39.7 lb

## Preheater Set

Complete system for preheating multilayer PCBs, ideal for repetitive soldering jobs. It includes: Heater Unit, Console, Support, PH218 Thermocouple Type K and PH217 Kapton Tape.



XL Preheater Set also includes three metallic supports of different heights for preventing PCB bending due to large dimensions.



# Connections

(Zone A+B)

Maximum power:

Thermocouples:

Dimensions:

(preheater unit)

(preheater unit)

Weight:

Heating Area

6 zones

By means of JBC Software (available on www.jbctools.com), JBC Preheater can be synchronized with other JBC Hot Air and/ or Soldering Stations as well as JBC Fume Extractor equipment in order for them to work jointly and to perform your rework process optimally.

Max. Heating Area: 360 x 277 mm

14.2 x 10.9 in

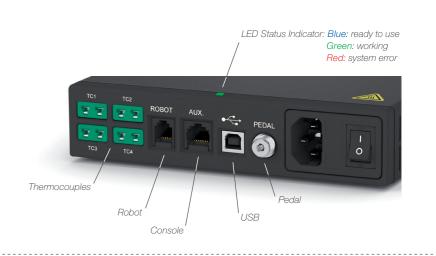
1400 / 1800 W

6.9 kg

15.4 lb

426 x 444 x 41 mm

16.80 x 17.5 x 1.6 in



#### Console



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

JBC offers 3 preset temperature profiles and 25 additional user-defined profiles to suit all your needs.

The control thermocouple is used to precisely follow the temperature profile while auxiliary thermocouples can be used to protect the components.

#### Safer and more efficient rework

**Power Mode** allows working at a fixed power level with the option of using a protection thermocouple.

Selected power

45

TC1 TC2 TC3 TC4

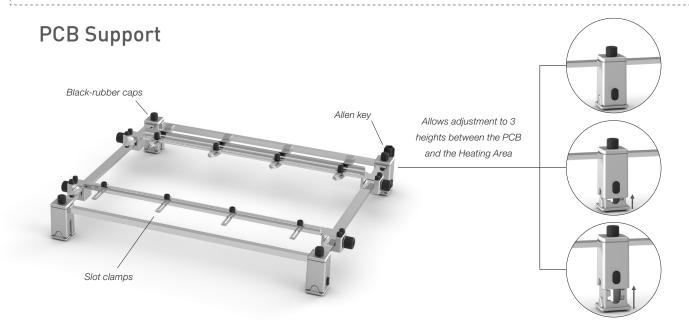
Power 45%
P100°C P100°C P100°C P100°C

**Temperature Mode** keeps the PCBA at a selected temperature, using the regulation or protection TC.



Profile Mode allows control of the heating rate of the PCBA by the use of a control and a protection thermocouple.





The support allows you to properly position PCBs of the same batch so as to always heat the same area. It is ideal for repetitive soldering jobs which means saving time and optimizing workflow.

PCB Support references: PSN, PSS, PSB and PSX.











