

JBC

The Soldering Co.

PCB Preheaters

Reduce the risk of thermal shock while reworking

Matronic
ELECTRONIC PRODUCTION TECHNOLOGY

PCB Preheaters

Forget about thermal shock

Matchless reliability in **temperature accuracy** and control of the PCBA

3 Work Modes **safer and easier** with up to 8 thermocouples

Independent work zones to be turned on/off



PHNE
For PCBs up to 11 x 7 cm / 4 x 3"

Max. heating area: 108 x 70 mm
4.25 x 2.75 in
Maximum power: 300 W
Thermocouples: x2

Related references:
PCB Support: PHNS
Preheater Set: PHNEK

PHSE
For PCBs up to 13 x 13 cm / 5 x 5"

Max. heating area: 130 x 135 mm
(Zone A+B) 5.12 x 5.31 in
Maximum power: 800 W
Thermocouples: x4

Related references:
PCB Support: PHSS, PSS
Preheater Set: PHSEK, PHSMK

PHBE
For PCBs up to 36 x 28 cm / 14 x 11"

Max. heating area: 360 x 277 mm
(Zone A+B) 14.2 x 10.9 in
Maximum power: 1400 / 1800 W
Thermocouples: x4

Related references:
PCB Support: PHBS
Preheater Set: PHBEK

PHXLE
For PCBs up to 51 x 61 cm / 20 x 24"

Max. heating area: 510 x 610 mm
(6 zones) 20 x 24 in
Maximum power: 5400 W
Thermocouples: x8

Related references:
PCB Support: PHXLS
Preheater Set: PHXLEK

Safer and more efficient rework

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



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



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



Using TCP Thermocouple Pointer

Its flexible and stable design allows quick positioning, optimizing your workflow.

Its 1-mm diameter sensor allows optimal placement on high-density PCBs and restricted areas where traditional methods fall short.

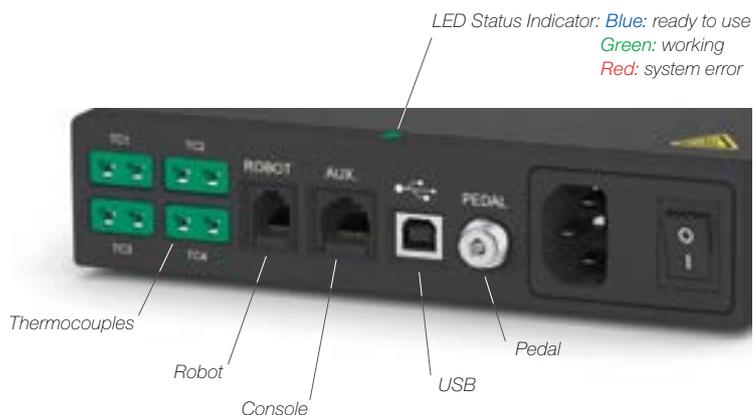
Its magnetic base ensures secure placement while maintaining a vertical position, providing sensor stability and reducing reading variations.



Connections

The incorporation of a USB Connector on all stations and control units allows you to **manage your job remotely from a PC**. The most innovative technology to take your work beyond the station.

Connect a pedal to start and stop heating, simulating console button control. Once Work Mode is set, the Heater Unit operates independently with the pedal.



PCB Supports & Preheater Set

All available supports for JBC Preheaters are designed to **ensure precise and consistent PCB positioning across the same batch**. This guarantees uniform heating of the same area every time, making them the perfect solution for repetitive soldering processes. The result: greater efficiency, time savings and a streamlined workflow.

Likewise, the complete system for preheating multilayer PCBs — combining Preheater and PCB Support — offers an **ideal setup for high-quality, repetitive soldering tasks**.

The set includes: Preheater, Console, PCB Support, PH218 Type K Thermocouple and PH217 Kapton Tape, providing everything you need for professional, reliable performance.

