

# Things are really heating up with the PCT-100 Focused Convection Preheater



## Focused heat for high thermal demand applications

This new pre-heater targets heat for improved speed and efficiency for high thermal demand applications, including lead-free. Used for SMT and through-hole manual processes, the PCT-100 uses convection air heating to heat a PCB first, for better soldering, improved process control and increased productivity.

The PCT-100 Focused Convection Preheater Tool adds heat volume, without turning up the temperature, to perform assembly tasks at the appropriate peak temperature without distorting the board.

Ideal for thick boards and smaller boards, such as cell phone and PDAs, the preheater focuses and delivers hot air where you need it. When finished, the fan continues without heat to cool down the board.

The system is easy-to-use. Simply plug it in, turn it on, adjust the heat and it's ready for work.

### Accessories add to ease-of-use

Besides placing boards directly on the preheater, the

PCT-100 can be used with or without a board holder. You have the option of choosing an integrated or free-standing board holder.

An Arm Rest is also available to steady your hand and keep your arm from being fatigued. The board holders and arm rest are available as complete kits, with the PCT-100, or they can be purchased separately.



*Rework small boards directly on the PCT-100*

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# PCT-100 Pre-heater Convection Tool

## Key Features & Benefits

- Accelerates and enhances rework processes including lead-free, SMT and plated through-hole
- Temperature ramps up quickly, maximizing productivity
- User-defined temperature adjustment up to 300 C
- Controlled cool-down eliminates thermal shock to PCB And components
- Thermocouple feedback temperature control regulates output temperature
- System safety feature automatically shuts off heating when fan is stopped
- ESD safe

## Pre-heater and Accessories

PCT-100-11	Focused Convection Preheater 115 VAC
PCT-100-21	Focused Convection Preheater 230 VAC
PCT-AR	Adjustable Angle Arm Rest
BH-100	Free-Standing (FS) Board Holder
BH-010	Integrated (Int.) Board Holder Kit

## System Packages

PCT-101-11	Focused Convection Preheater (115 VAC) with Arm Rest
PCT-101-21	Focused Convection Preheater (230 VAC) with Arm Rest
PCT-102-11	Focused Convection Preheater (115 VAC) with Arm Rest and FS Board Holder
PCT-102-21	Focused Convection Preheater (230 VAC) with Arm Rest and FS Board Holder
PCT-103-11	Focused Convection Preheater (115 VAC) with Arm Rest and Int. Board Holder
PCT-103-21	Focused Convection Preheater (230 VAC) with Arm Rest and Int. Board Holder

## Spare Parts

PCT-1HE-11	Heater Assembly 110 VAC
PCT-1HE-21	Heater Assembly 220 VAC
PCT-ARPAD	Arm Rest Pad



Use OKi or Metcal soldering tools with the PCT-100.



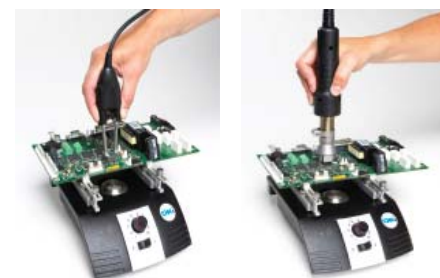
BH-100 Free-Standing Board Holder



PCT-100 Pre-heater Convection Tool with Int. Board Holder



PCT-AR Arm Rest



Precision tweezers and the HCT-900 Hand Held Convection Tool are ideal for use with the pre-heater.

### BH-100 Board Holder Specifications

Maximum PCB size:	12.0" (304.8mm) wide
Minimum PCB size:	2.5" (63.5mm) wide

### PCT-100 Pre-heater Specifications

Input Voltage	
PCT-100-11	115 VAC
PCT-100-21	230 VAC
Heater Rating	450 W
Pollution Degree Category	II
Storage Temperature	-10°C—60°C (14°F—140°F)
Environmental Temperature	0°C—40°C (32°F—104°F)
Air Flow	10.2 cfm (289 liters/minute)
Control Temperature (only shown)	<300°C (572°F)
Surface Resistivity ESD	10 <sup>9</sup> Ω - 10 <sup>11</sup> Ω
Dimensions	205mm (L) x 155mm (W) x 65mm (H) 8.07" (L) x 6.10" (W) x 2.56" (H)
Weight	1.6 kg
Certificate/Approvals	cTUVus, CE