

PCT-100 Pre-heater Convection Tool

Focused heat for high thermal demand applications

This pre-heater targets heat for improved speed and efficiency for high thermal demand applications, including lead-free. Used for SMT and through-hole hand 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 Pre-heater Convection 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 pre-heater 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

The PCT-100 can be used with or without a board holder. An Arm Rest is also available to steady your hand and keep your arm from being fatigued. The board holder and arm rest are available as a complete kit, with the PCT-100, or they can be purchased separately.



Rework small boards directly on the PCT-100



PCT-100 Pre-heater Convection Tool



Key Features & Benefits

- Accelerates and enhances the lead-free SMT & through-hole rework process
- Temperature ramps up quickly, maximizing productivity
- Adjustable knob controls the required temperature to below 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	Pre-heater Convection Tool 110 VAC
PCT-100-21	Pre-heater Convection Tool 220 VAC
PCT-AR	Arm Rest
BH-100	Board Holder

System Packages

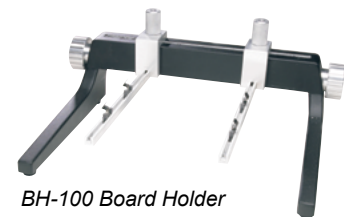
PCT-101-11	Pre-heater Convection Tool (110 VAC) with Arm Rest
PCT-101-21	Pre-heater Convection Tool (220 VAC) with Arm Rest
PCT-102-11	Pre-heater Convection Tool (110 VAC) with Arm Rest and Board Holder
PCT-102-21	Pre-heater Convection Tool (220 VAC) with Arm Rest and Board Holder

Spare Parts

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



Use Metcal soldering tools with the PCT-100. The Metcal HCT-900 Hand Held Convection Tool is also ideal for use with the pre-heater.



BH-100 Board Holder

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
Power	150 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
Control Temperature (only shown)	<300°C (572°F)
Surface Resistivity ESD	106Ω - 1011Ω
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



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PCT-AR Arm Rest