

PCT-100 Focused Convection Pre-heater



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 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.

Availability

The PCT-100 will be available July 1, 2007. Please contact your local OK International Representative for more information.



Rework small boards directly on the PCT-100

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PCT-100 Focused Convection Pre-heater

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-100-21	Pre-heater Convection Tool 220 VAC
PCT-AR	Arm Rest
BH-100	Board Holder
BH-010	Integrated Board Holder

System Packages

PCT-101-21	Focused Convection Pre-heater with Arm Rest
PCT-102-21	Focused Convection Pre-heater with Arm Rest and Board Holder
PCT-103-21	Focused Convection Pre-heater with Arm Rest and integrated Board Holder

Spare Parts

PCT-1HE-21	Heater Assembly 230 VAC
PCT-ARPAD	Arm Rest Pad



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



BH-100 Board Holder



PCT-AR Arm Rest



PCT-100-21



PCT-100 with Integrated 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-100-21	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
Control Temperature	Variable Up to 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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