The HCT2-120 Hot Air Pencil is the latest addition to Metcal’s offering of convection rework tools. This digital handheld convection tool, is ideally suited for applications which use smaller components and integrated circuits.

As component miniaturization continues, the ergonomics of a pencil allow a user more freedom to access and rework components on the board, without affecting adjacent parts.

**FEATURES AND BENEFITS**

- **120 Watt Ceramic Heater and Dual Stage Air Pump**: provides the power and performance needed to deliver the right amount of thermal energy
- **Digital Airflow and Temperature Controls**: two LED displays provide a graphical and numerical representation of the desired airflow and temperature
- **Fast Response and Performance**: a microprocessor controlled, closed loop feedback system provides fast heating, precise and stable temperature control
- **Standby Mode**: When the hand-piece is placed into the work-stand, the temperature will drop without a change in the airflow prolonging heater life
- **Universal Power Supply**: automatically senses the input line voltage and adjusts accordingly, which allows for worldwide operation without adaptors or a change in performance life
- **Light weight hand-piece**: slim and ergonomic design hand-piece that feels like a pencil, with a rubber grip. The heater element inside can easily be replaced
Metcal HCT2-120
Digital Hot Air Pencil

APPLICATIONS

DIPs | SOICs | PLCCs | 0201s | 1210s

Other applications: Lead Free, reflow of fine pitch QFPs, removal and placement of chips

PARTS AND ACCESSORIES

<table>
<thead>
<tr>
<th>Part Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>HCT2-120</td>
<td>Digital Hot Air Pencil includes: Hand-piece with heater, pack of 6 nozzles, workstand, nozzle removal pad</td>
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<tr>
<td>HCT-HTR120</td>
<td>120W Heater</td>
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<tr>
<td>??</td>
<td>Pack of 6 nozzles (ID 1, ID 2, ID 3, ID 4, ID 5, ID 6 in inches and mm)</td>
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<tr>
<td>??</td>
<td>Workstand with nozzle holder</td>
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<tr>
<td>AC-CP2</td>
<td>Heatproof nozzles removal pad</td>
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</tbody>
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TECHNICAL SPECIFICATIONS

- Ambient Operating Temperature: 10 to 40°C
- Maximum Enclosure Temperature: 55°C
- Input Line Voltage: 100 – 240 VAC, grounded circuit
- Output Frequency: 50/60 Hz
- Power Consumption: 170W peak, 75W continuous
- Output Power: 120 Watts
- Air Flow: 1.5 – 6.0 LPM
- Temperature Range: 100°-450°C
- Temperature Stability: ±2.2°C
- Certification / Marking: cTUVus, CE
- Pollution Category: II
- Surface Resistivity: $10^6 \text{ } \Omega - 10^{11} \text{ } \Omega$ ohms
- Power Supply Dimensions: w x d x h = 10.6 cm (4.2") x 21.3 cm (8.4") x 17.0 cm (6.7")
- Workstand Dimensions: w x d x h = 8.6 cm (3.4") x 19.1 cm (7.5") x 8.3 cm (3.3")
- Weight of the power supply: 5.5 lbs (2.49 kg)
- Weight of the workstand: 6.61 lbs (3 kg)

The heater can easily be removed and replaced from the hand-piece

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