



American HAKKO Products, Inc.

PRODUCT BULLETIN

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Product Description:

CHP DPF-200 Depaneling System

Part No:

DPF-200-E



Specification:

Model	DPF-200
Part No.	DPF-200-E
Dimensions	64 x 70 x 95 cm (25 x 28 x 37 in)
Necessary Space	164 x 170 cm (65 x 67 in)
Weight	55 kg (121 lb.)
Voltage	120V/60Hz
Power	0.63 kW
Supply Pressure	6 bars (87 psi) 6 mm ø connection pipe
Compressed Air Consumption	Max. 210 L/min. Average 140 L/min
Depression	22 kPa (220 mbar)
Micro-spindle Speed	60,000 RPM Max.
Noise Level	90 dB(A) 3 dB(A) Uncertainty detected on the operator position.
Vibrations	< 2.5 m/s ²
Storing temperature	-10°C to 40°C (14°F to 104°F)
Working temperature	5°C to 40°C (41°F to 104°F)
Interchangeable Guide Material	Hardened and Ground Steel
ESD Safe	Yes
Safety Approval	

PCB Characteristics:

Thickness	Max. 2.5mm
Slot Length	Min. 10.5mm
Slot Width	1.5 - 2.5 mm
Slot Width Tolerance	0 / -0.02mm
Isthmus Distance From Components	Min. 1 mm
PCB Material	FR4/CEM/Aluminum*

* For aluminum depaneling, contact American HAKKO Products, Inc. for the milling bit specifications

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Specifications (continued):

Interchangeable guide and milling bit sizes:

- 1.5mm
- 1.6mm
- 1.8mm
- 1.9mm
- 2.0mm
- 2.1mm
- 2.2mm
- 2.3mm
- 2.4mm
- 2.5mm

Comments:

The CHP DPF-200 is a manual router table for depaneling PCBs from a panel or multiblock. When using a standard blades or manual tools to cut the PCBs from an array on a panel, stress often breaks or tears the PCB tab. The DPF-200 milling cutter cuts the tab with the same quality as an expensive automated system but at a much lower cost.

The shape of the interchangeable guide (Patent pending) assists the operator to safely place and maneuver the PCBs until the cut is completed. This prevents damage to the PCB should the operator insert the wrong size guide that does not match perfectly with the geometry and size of the panel's slot. A powerful vacuum pump located at the guide, removes the PCB dust from the work area for a clean and healthy work environment.

The table is made of steel with a laminated ESD table top to protect against electrostatic discharge. The table's steel construction provides a sturdy and stable working platform, and the high speed precision spindle operates at speeds up to 60,000 rpm with minimum vibration. ESD zinc coated steel front feet and heavy duty rear casters make the system easy to move to another location.