

DPF300 EVO Depanelizer - PCB Nibbler

SKU: 601-251



Features & Benefits

- ◆ **ESD-Safe Design:** Equipped with a laminated ESD table with EPB 90°, the system ensures protection against electrostatic discharge, which is critical for sensitive electronic components.
- ◆ **Easy-to-adjust PCB Guides & Milling Bits:** The main feature of this system are the fast and easy-change PCB guides and milling bits, making it adaptable to different routed widths for a variety of PCB sizes.
- ◆ **For STRAIGHT or CIRCULAR boards.**
- ◆ **** Manually adjustable leg heights:** 3 worktop heights available of 900, 1,000 and 1,100mm.
- ◆ **** Box Shelves:** 2 shelves included.
- ◆ **** Handles:** 2 handles for moving the machine are included.
- ◆ **Durability and Mobility:** The ESD zinc-coated steel front feet and rear turning wheels with brakes (Ø80) offer stability during use and easy mobility for efficient workspace management.
- ◆ **Reduced PCB Stress:** The DPF300 EVO is designed to prevent the stress, breakage, or tearing of PCB fibres, which can occur when using standard blades or manual tools. This ensures clean, reliable depaneling without damaging delicate components or traces.
- ◆ **Efficient Vacuum System:** The vacuum system allows for quick and clean placement of the system into any workspace, eliminating mess and improving operational efficiency.
- ◆ **Electrical Micro Spindle Speed:** Max 24,000 rpm, providing precision and speed for depaneling.
- ◆ **Vibration:** < 2.5 m/s², ensuring minimal vibration and smoother operation.
- ◆ **Acoustic Pressure Level:** 80 dB (A), measured at the operator's site (+/-3 dB), providing a relatively quiet operation.
- ◆ **Vacuum Pressure:** 25 kPa (-250 mBar), facilitating effective dust and debris removal during the depaneling process.
- ◆ **CE Marked,** ensuring compliance with EU safety standards.
- ◆ **Optional Extras:** Hepa 14 filter.

About the DPF300 EVO Depanelizer - PCB Nibbler

The ****NEW VERSION**** DPF300 EVO Depanelizer is a high-performance manual depaneling system designed to efficiently handle small PCBs, particularly for FR4-type materials.

**** Manually adjustable leg heights:** 3 worktop heights available of 900, 1,000 and 1,100mm.

**** Box Shelves:** 2 shelves included.

It is versatile enough to also work on aluminium substrate PCBs, making it an excellent choice for a range of materials in PCB assembly and production.

PCB Specifications:

- **Max PCB Thickness:** 4.0mm
- **Slot Length (L):** Min 11mm
- **Slot Width (V):** For a standard guide, 0.8 – 3.175mm (tolerance 0 / - 0.02 mm)
- **Isthmus Distance from Components (C):** Min 1mm
- **Supported PCB Materials:** FR4, CEM, Aluminium (requires special milling cutters for aluminium)
- **Maximum components height:** 23mm / 20mm

DPF 200/300 Spares can be found [HERE](#)

Specifications

Property	Detail
Dimensions	64 x 70 x 95 (H) cm, making it compact enough for efficient use in various workspaces
Weight	68 kg, offering a sturdy and reliable build
Voltage	230V/50Hz, with a power rating of 1.10 Kw for robust performance
Application	ESD-protected areas, electronics mfg, cleanrooms