

DPF300 - PIERGIACOMI MANUAL DEPANELING MACHINE (AL. FR4)



SKU: 151405P



DPF 300 MACHINE FOR PCB SEPARATION

Piergiacomì DPF 300 is a manual depaneling system designed to solve needs of depanellizing for small and medium series, when the use of pliers could aggravate the product of an excessive labour and the use of an automatic depanellizing would not justify amortization costs.

DPF 300 cuts the isthmus with the same quality of an automatic system but with lower costs. Its main feature is the **possibility to change in a very fast way the milling cutter and the interchangeable guide.**

The guide is useful to quickly assist the operator to place and then to drag the circuit until the cut is done. It's particular shape **avoids to damage the assembled circuit** if the operator, inserting it wrongly, doesn't match perfectly the guide into the eyelet.

The particular design of the guide gives a **total protection against possible incidents** according to safety rules.

DPF 300 has been developed to **solve problems due to stress, break or tearing out of PCB's fibers** that often occur using standard blades or manual tools that today, with the increasing complexity and miniaturization processes, it is not well tolerated.

The **integrated vacuum system** allows to place DPF 300 easily and quickly in any working area.

Specifications



- For straight and circular boards
- Interchangeable guide in hardened and tempered steel - Standard thickness: 1.0-3.0 mm
- Milling cutters in hard metal with specific geometry for **FR4, CEM and aluminium cut** - Standard diameters: 1.0-3.175 mm
- Electrical micro spindle speed: max. 24000 rpm
- Integrated electrical aspiration system located directly on the interchangeable guide, with integrated cartridge filter (1" -1/4)
- Signal light suction tube for dust
- Laminated ESD table with EPB 90°, ESD zinc coated steel frontal feet and rear Ø80mm turning wheels with brakes
- Vibrations: < 2,5 m/s² - Acoustic pressure level : 80db (A), (+/-3db) measured at operator's site
- Working area needed: 164x170cm - Dimensions : 64x 70x 95(H) cm - Weight: 73 kg
- Voltage: 230V/50Hz - Power: 0.90Kw - Socket: 230V 2P+T Schuko
- Max. PCB thickness: 4.0 mm
- Slot lenght (L): min. 11 mm - Slot width (V): for a standard guide 1.0-3.175 mm (tolerance 0 / - 0.02 mm)
- Isthmus distance from components (C): min. 1 mm
- CE mark: Yes.