

DPA500 - PIERGIACOMI AUTOMATIC DEPANELING SYSTEM FOR PCB SEPARATION



SKU: 151405K



DPA 500 AUTOMATIC MACHINE FOR PCB SEPARATION

Piergiacomi DPA 500 Automatic off-cut remover for PCB separation.

Using an end mill, DPA 500 is able to cut isthmus that keep the printed circuit anchored to the board on which it has been realized. Cuts can be made in any direction and with linear or circular paths.

The machine has a 500 x 500 mm table for the loading/unloading of circuits.

Having just one work drawer makes the DPA 500 much more compact and consequently low cost.

The user-friendly software allows the operator to manage in a short time and in Windows environment each programming phase. Through a **self learning process performed by a camera and a geometric balance**, the machine can correct errors on the board.

On request, the producer is also able to customize part of the software according to particular work phases that the customer needs to manage better.

With an appropriate software, the machine is able to realize the drilling of the pins masks for repetitive jobs, making customers completely independent for their production.

Specifications

- Work area: 500 x 500 x 50 mm
- PCB dimensions: 500 x 500 mm
- PCB thickness: from 0.8 to 6 mm
- Axes control X,Y,Z: interpolation on the 3 axes with Brushless motors
- Vacuum speed: 1000 mm/s for each axis
- Work speed: 50 mm/s
- Max cutting force: 100 N
- Positioning precision: 0.03 mm
- Repeatability: 0.02 mm
- Milling cutter diameter: from 1 to 3.175 mm
- Spindle speed: 24000 r/pm
- Tool replacement: manual
- Power: 230 V
- Power consumption: < 1200 W
- Steel body structure
- Dimensions: 900 x 1000 x 1950 mm
- Configuration for vacuum system: Yes
- CE mark: Yes.

Software

- Operating System: Windows 7 or higher
- Self-learning: by camera
- Users management: operator and administrator
- Customized work parameters
- Vision system for an automatic isthmus positio identification
- Software customization available on request.

Options

Available on request: Table for machine standing with integrated vacuum system (95kg weight), Support table, Vacuum system, Customized vacuum system heads, Ionizer, Interchangeable PCB support, Holding boards masks, CAD or Gerber file programming, Custom software, Bar code or matrix reading, PC.