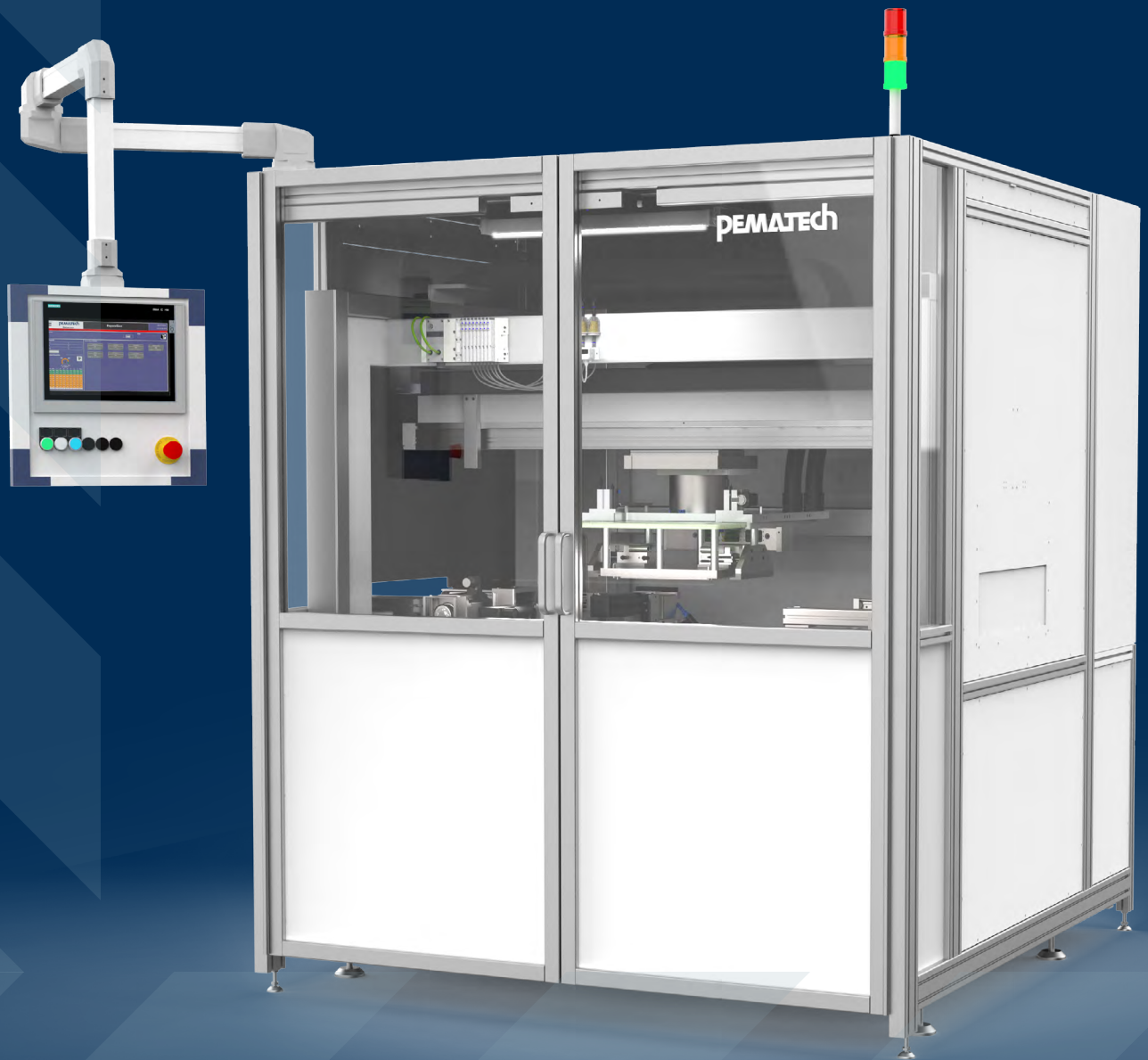


PEMATECH



HIGH-VOLUME DEPANELING MACHINE

It's going for it!!

Powerful depaneling HIGH-VOLUME

fast - precise - powerful

The highly efficient High-Volume depaneling machine separates your printed circuit board panels quickly, efficiently and precisely. Designed for inline operation, it is the ideal choice when high production volumes are to be processed. Shorter throughput times and higher productivity - no problem with the High-Volume depaneler!



Safely fixed Securely separated



Our innovative fixing system holds even very complex and hard-to-reach PCBs so that they can be separated from the panel. In a low-stress process, the high-volume depaneler separates even PCBs that are difficult to fix and to be positioned by using a sawing and/or milling module.

Features

- Dust extraction with ionization
- Autom. transport width adjustment
- Energy-efficient servo drives with low-maintenance axes
- Saw blade breakage detection
- Cutter management, such as autom. automatic cutter change, cutter breakage control and height control
- Setup control through coded change parts
- Remote maintenance
- CAD data import

Options

- Pcb gripper variants: vacuum suction cups, mechanical grippers, spreading pins
- Sawing and/or milling module
- Position correction by camera system
- Barcode scanner
- MES interface
- SMEMA interface

Advantages

- High production volume
- Use of two tools possible at the same time
- Short set-up times
- Any contours can be cut
- Low-stress cutting process



Perfectly coordinated with two tools

The high-volume depaneling system offers the option of using a sawing module, a milling module or both modules simultaneously, depending on requirements. A double axis system decouples the two cut-off modules so that they can be controlled independently of each other. The use of two tools enables very fast and precise cutting processes even for complex PCB panels.

Technical data



Dimensions

1500 x 1690 x 1850 mm

Safety control

Siemens PLC

Power supply

400 V/AC, 50/60 Hz
6,5 - 8 bar oil-free
and filtered compressed
air

Feeding

Conveyor belt

Separation accuracy

+/- 0,12 mm depending on
and Pcb panels and
centering holes

Ionization

For dust reduction

Printed circuit board specification

Dimensions

max. 400 x 350 mm (L x B)

Component height

Oberseite max. 70 mm
Unterseite max. 8 mm

Material thickness

0,5 - 3,2 mm

Milling module

Diameter end mil cutter

0,8 - 3,0 mm

Spindle speed

20.000 - 80.000 U/min.

Cutting speed

20 - 45 mm/s

Height adjustment

Up to 3 steps

Sawing module

Diameter saw blade

80 mm

Saw blade thickness

0,3 - 2,5 mm

Spindle speed

bis 6200 U/min

Cutting speed

100 - 400 mm/s

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With us you will find the right assembly and test system for your products!

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