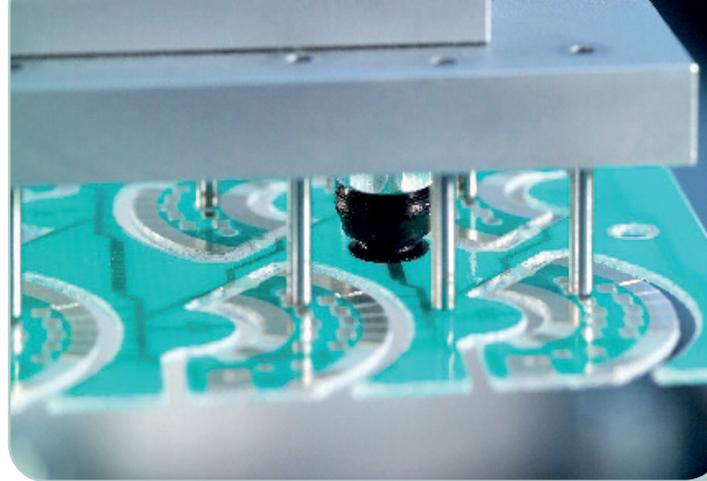


baumann
de | box

THE AUTOMATION FOR DEPANELING CIRCUIT BOARDS



Automated depaneling in connection with assembly – economical, careful and intelligent.

The characteristic features of the baumann **delbox** reside in the coupling of the separation method with the robot-aided loading/unloading technique. This allows processing (e.g. check, assembly, palletizing) of the single circuit board in one cell.

Two separating knives, which penetrate the basic material simultaneously from below and above, do not transfer the resulting material displacement to the circuit board, but only to the skeleton, and thus ensure a careful, low-stress separation.

A robot takes over the panel feed with a flexible gripping system. These may either be fed directly via transport conveyors or magazines and trays. The robot may provide the single circuit boards for further treatments after separation. The compact design enables to integrate the cell into an assembly line seamlessly.

This variability enables the inline use as well as the rational automation of small lot sizes.

baumann **delbox** may be used as:

- End cell in the circuit board equipment area
- Start cell in the final assembly area
- Feed and assembly cell in the final assembly area

PRODUCT CHARACTERISTICS

Standard cell size

- WDH approx.
1450 mm x 1450 mm x 1780 mm

Power rating

- 400V 50Hz
- 5,2 kW
- 6 bar

User interface

- TFT-TouchScreen mit baumann rolbox Visualisierung

Switch cabinet

- integrated in cell

Accessibility

- lift and swivel door

Depaneller

- Max. panel size 240 x 330 mm
- optional max. 290 x 450 mm
- Pressure max. 74 kN
- Lift ca. 25 mm
- optional approx. 30 mm

Cycle times

- Pick & place panel or circuit board approx. 2 Sec.
- Panel separation time (complete) approx. 5 Sec.



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