AUTOMATION

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pressfit

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pressfit

THE SOLUTION FOR PRESSING PLUG CONNECTOR AND PCB

The lean|box press-fit cell is always individually constructed according to customer-specific requirements.

Configuration example
- Cell size: 850 mm x 1000 mm
- max. pressing force: 30 kN
- min./max. number of pins: 30/150 pcs.
- Testing of pins: min./max. size LP: 50 mm x 30 mm / 200 mm x 100 mm

With our lean|box as a modular platform for complex press-fit applications and our extensive experience in pressing connector strips and PCBs, we realise precise and reliable contacting - fully integrated and from a single source.

The exchangeable holders integrated into the rotary table ensure that both PCBs and connector strips are gripped precisely. Transport via the rotary table guarantees separate feeding and pressing processes, which has a positive effect on the cycle time.

A force / stroke monitored servo press ensures a precise and reliable pressing process. The pin check integrated into the pressing station contacts the connector and checks the presence of the pins. Optionally, a protrusion check can be carried out before pressing.

Exchangeable modules allow different PCB types to be fitted, one of the features that make the cell highly flexible. A type change is possible within one minute via the visualisation and the mechanical change of the adapter. Both the holder and the press head are adaptable.

The Baumann pressfit is compact, space-saving and easily accessible. The intelligent installation provides short delivery times, low costs and faster adjustments for other or new products.

Further configurations:
Separate loading/unloading stations
Fail-part sorting
Supply handling finished parts (Chaku-chaku principle)
Separate pin check
Pin height control (AOI)
Autoeject for fast component changes

PRODUCT CHARACTERISTICS

Cell
- Size on a lean|box basis (600 mm x 600 mm - 1400 mm x 1400mm)
- Switch cabinet Integrated in the cell
- 400 V, 16 A
- 6 bar

Control panel (MMI)
- 15" TFT-Touchscreen
- Baumann Visualisation
- Remote maintenance
- MES connection (SECS/GEM)

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