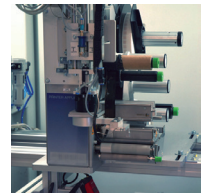Label applicator

Label applicator

FlexLabeler

Label Marking System

The FlexLabeler is an in-line Label marking machine specifically designed to mark PCBs with a with high positional accuracy and repeatability.

The FlexLabeler is designed for the flexible marking with labels containing 1D barcodes, 2D Matrix Codes and human readable characters.

Each marking can be scanned and verified before being releasing the PCB to the next process.
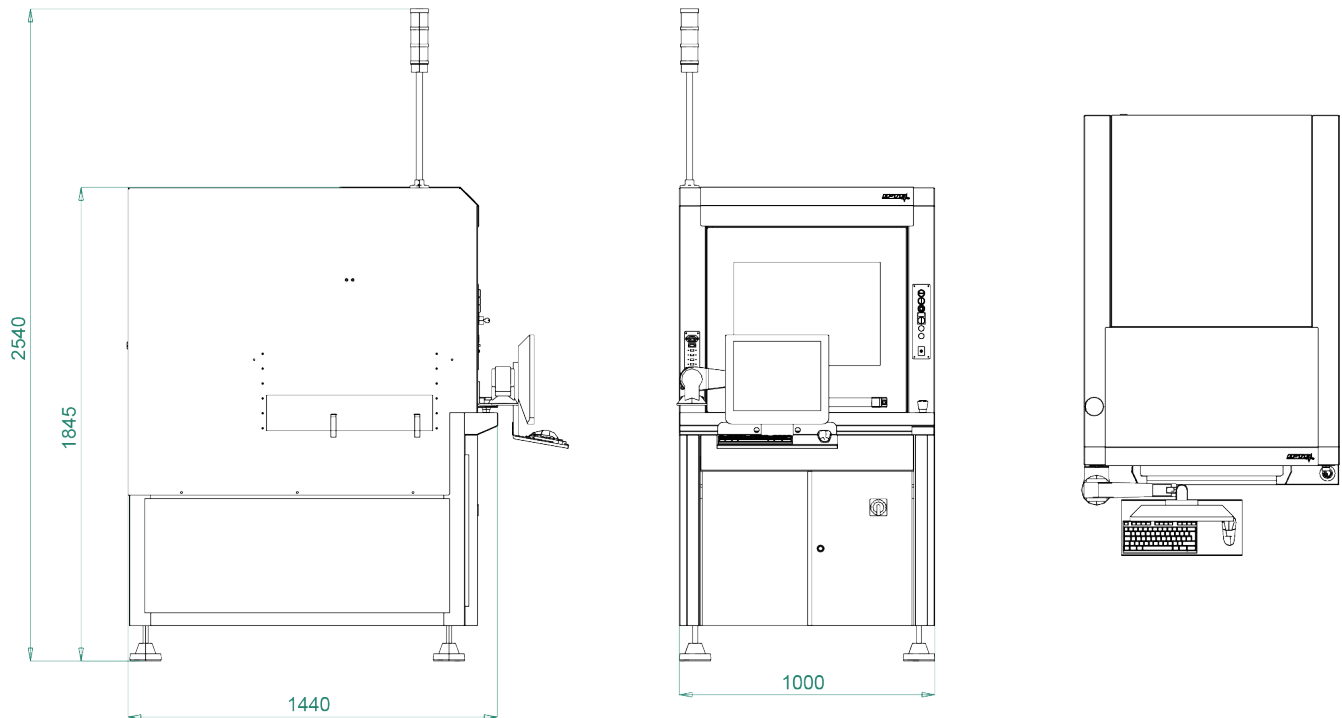
Key features

- High speed In-Line Label Marking
- Medium Volume High Mix
- Modular Cell Structure
- Large Marking Area
- User Friendly HMI
- 300 or 600 dpi Printer
- PCB or Carrier Transport
- Fast PCB Exchange Time

Options

- Automatic width adjustment
- 1D/2D Reader
- Programmable rotation
- upgrade to 600 dpi printer
- Fixed transport (PCB or carrier)
- Fixed transport with output buffer (PCB or carrier)
- Board orientation
- Bad part recognition

FlexLabeler
Label Marking System

PCB Specification

PCB Width:	50 - 460 mm
PCB Length:	50 - 460 mm
PCB Ratio:	0,8 (length ≥ 0,8 x width)
PCB Thickness:	0,8 - 4 mm
Component height (top side):	max. 80 mm
Component height (bottom side):	max. 50 mm
PCB Edge support:	2,0 - 4,5 mm adjustable (optional carrier edge support 10 mm)
PCB Weight:	2,5 kg

Process Specification

Printer model:	Brady BSP61
DPI:	300 dpi
Printing speed:	50,8; 76,2 or 101,6 mm/sec
Barcode types:	1D and 2D barcodes
Label width:	5 - 115 mm
Label height:	3,2 - 60 mm

Technical Specification

PCB Exchange time	< 4 sec
PCB Transport speed:	300 - 700 mm/sec
Transport height:	925 - 975 mm
Transport direction:	L ⇒ R, R ⇒ L (to be specified at time of order)
Controller:	BeckHoff
Energy requirements:	1 P 110V or 1 P 230 V - 1 kVA
Compressed air:	6 - 20% bar, according to DIN ISO 8573 3.4.5
Color:	RAL 7035 ESD Safe
Dimensions (L x D x H):	1.000 x 1.440 x 1.845 mm
Weight:	570 kg
Interface:	TS1
Standards:	CE, SMEMA