Seica Automation

LABEL APPLICATOR

Full Automated Label Applicator

MODULO LA-1HD

MODULO LA-2HD

LABEL

General Description

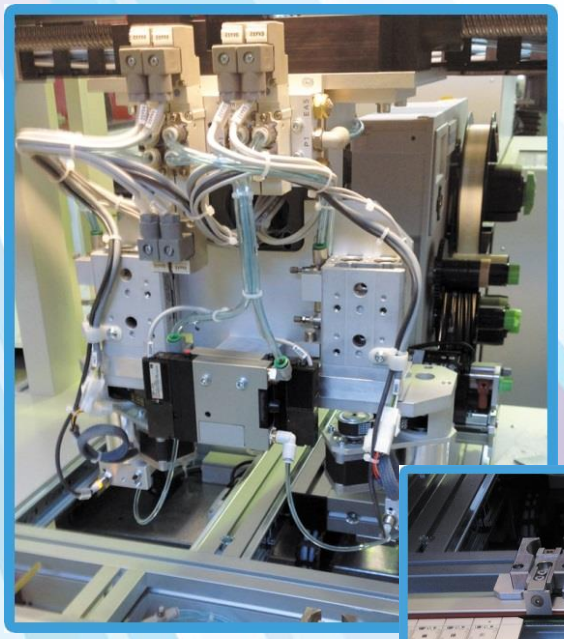
The LABEL module is designed to print and apply a large variety of labels on bare PCB's or on top of components of assembled PCBs.

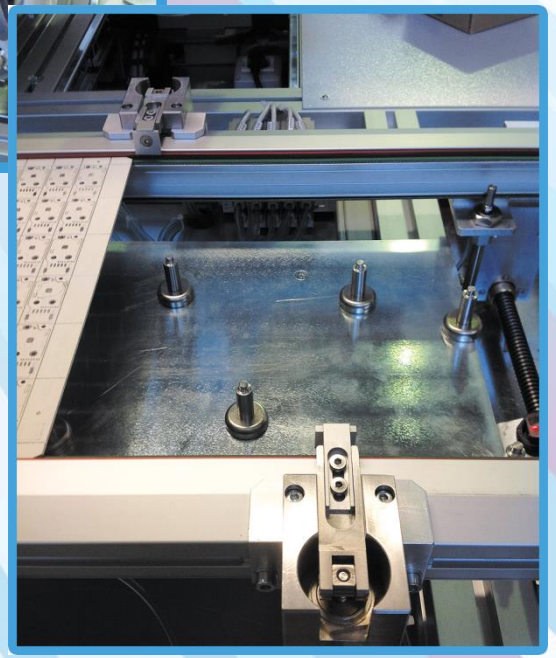
The position and content(text, number, etc…) of the labels is easily programmable via windows based software.

The system uses a brushless motor to apply labels in the desired position and angle.

LABEL

Functional Description

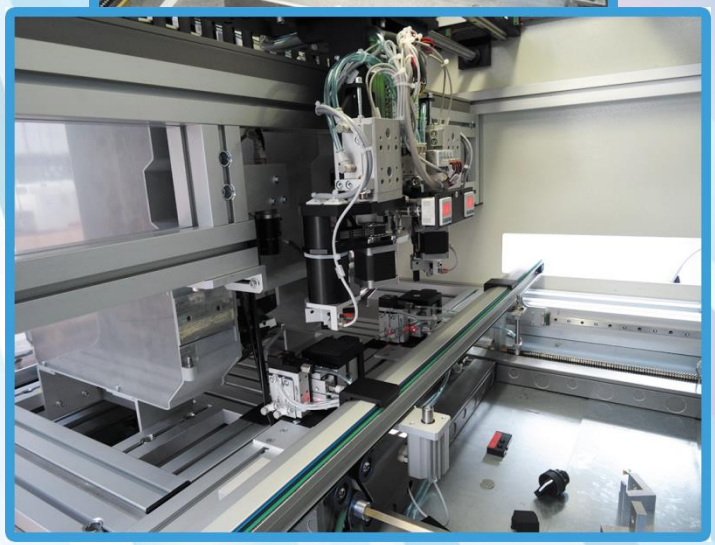




- Label Printer and Placer.
- Label Placement rotation 0°-180°
- Transport direction left to right
- Tower light display for machine status
- User push button START STOP RESET
- External Flat monitor and Keyboard
- SMEMA interface
- Oparating area 500x400 mm
- Operating System Windows 7

LABEL

Functional Description
Optional



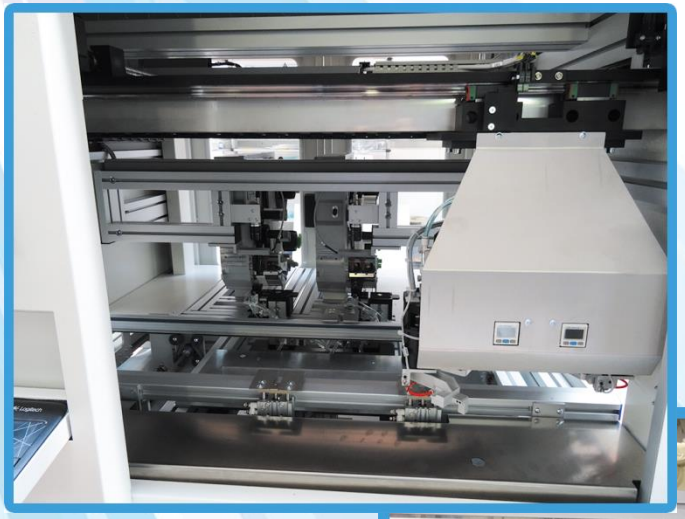
- **Barcode reader (Correct Printing)**
- **Camera inspection /correct printing, placing offset, quality check ISO 6 position)**
- **Picking nozzle**
- **FIS (FACTORY INFORMATION SYSTEM)**
- **Link to Traceability SOFTWARE**

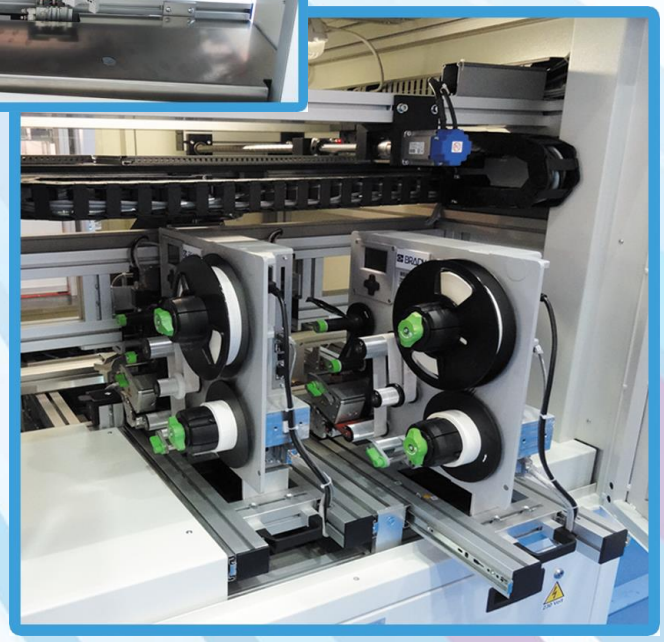
ADDITIONAL FEATURES

- **ESD Transparent Covers:** available as option
- **Tower signal**
- **Acoustic Alarm**
- **Internal lighting:** system with on/off switch

LABEL

Printer Specification

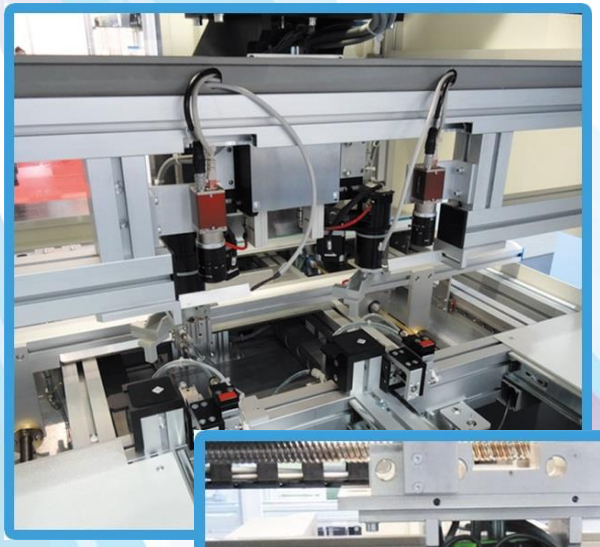


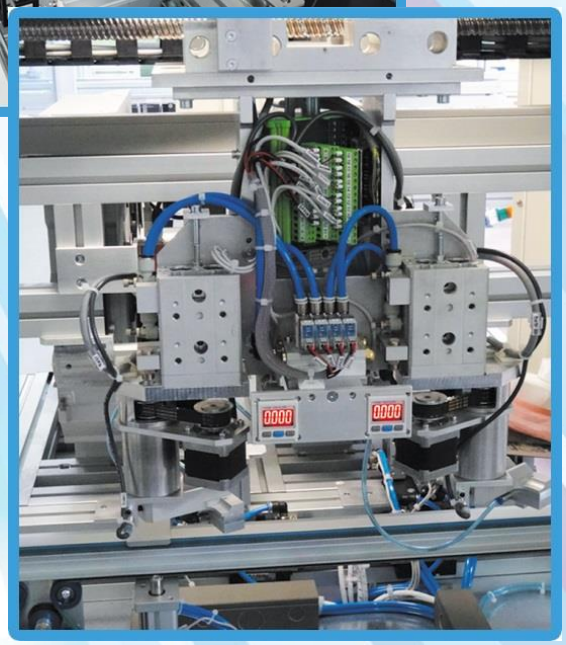


- Integrated 600dpi Printer
- Vacuum sensing for label from pick-up
- Prints and applies a range of labels size
- Very high placement accuracy +/- 0.3mm
- LCD graphics display
- Printing method: direct thermal

LABEL

General PCB Specification





CYCLE Time /PLACING FEATURES

Repeatability X-Y: ±0.05mm

PCB Infeed: 5 sec

PCB Outfeed: 3,5 sec

Placing Time (1 Head): Approximately 3,5 sec

Time may change due to placing distance on PCB

Placing Time (2 Heads): Approximately 2,3 sec

XY axis: servo-controlled brushless motors

Z axes: Pneumatic

Rotation: electric servo-controlled motors: 0°-180° (step: 1°)

Labels & Ribbon Ink: not Included

Type of Ribbon: must be suitable for automatic applicator (consult Factory)

Type of Labels: must be suitable for automatic applicator (consult Factory)

Label text : to be defined

Dimension of Labels:

Min: 5x5 mm (WxL)

Max: 58x100 mm (WxL)

LABEL

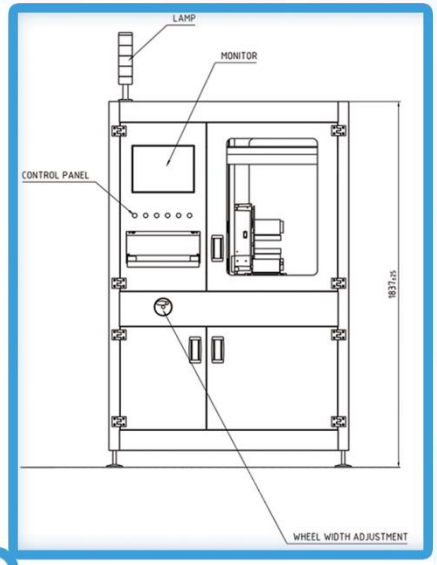
Transport features

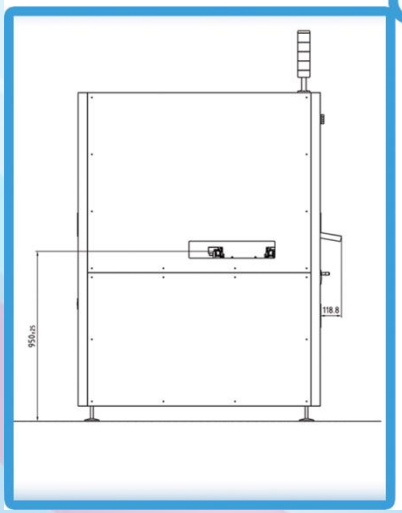
- **In Line System with Flow direction:** left to right
- **Maximum Pallet/PCB size:** 500x380mm (L x W)
- **Minimum Pallet/PCB size:** 80x80mm (L x W)
- **Thickness of Processable PCBs:** from 0.8mm to 4.0mm
- **Pass Through Components Clearance:** Top 50mm – Bottom 20mm.
- **Labeling Components Clearance:** Top 28mm – Bottom 20mm
- **Pallet/PCB max weight:** 2.5Kg
- **Minimum Edge support:** 3mm for each side Max
- **Conveyor Type:** ESD flat belt
- **Conveyor heght:** 950+/-25mm
- **Conveyor Speed:** Variable speed (200mm/s max), AC motors
- **Interface:** SMEMA STANDARD
- **SMEMA cable:** included
- **Ethernet connection:** included
- **Stopper system:** Two Pneumatic Pistons
- **Pallet/PCB clamping on the conveyor:** included
- **Width adjustment**: manual with hand wheel

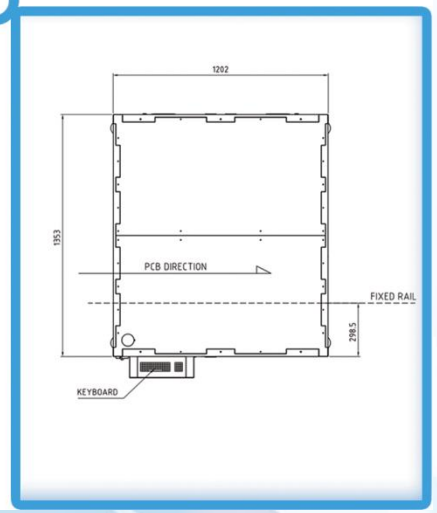
LABEL

Transport features

- **Power supply:** 230V 50Hz 1Ph+N+G; 6A
- **Frame color:** RAL 7035, powder coated
- **Pneumatic Supply:** filtered Dry Air 0.6 Mpa ± 10%
- **Working Temp:** 15-35 °C
- **Total External Dimensions:** 1200x1400x1850 mm
- (L x W x H)
- **Weight:** 400 Kg







SOLUTIONS…not only product

COMPANY

Seica Automation, located in Seregno (Italy), is part of the SEICA Group, and was founded to provide handling systems for electronics manufacturing able to satisfy every customer requirement.
The Company can supply every kind of automation system for complete production lines, from the simplest to the most complex.
All of our products are manufactured in Italy, under the control of SEICA AUTOMATION R&D and Quality Departments, in full compliance with industry standards.

Seica Automation s.r.l.
Via Arturo Toscanini, 50/52
20831 Seregno (MB)- Italy
Tel. +39 362.15.72.717

Mail: info@seica-automation.com
sales@seica-automation.com

www.seica-automation.it