Lab3Ace The new generation of system for automatic labeling of Products – Boxes – Crates and Pallets.

In-Line Print & Apply system with fast and accurate application of labels in the production line, that keeps label wastage to the absolute minimum. This applicator is designed to apply the label either on top, bottom, or side of the product. It operates if the product are moving or stationary. The machine's special characteristics are robustness, speed, flexibility and small footprint.

Industrial design
The machine is built to withstand a tough industrial environment and continuous operation 24/7. The complete assembly is CE approved.

Maintenance friendly
The systems modular concept means that in the unlikely event of any component failure, service times are very fast. The printer and the applicator are standard machines with proven high reliability figures.

Windows Printing
The system are based on printouts from Windows software. We have different solutions with label software for design and printing with connecting to databases to existing ERP-system. With a networked Touch Screen PC as an option it's very easy for the operator to select layout and article.

How to apply the label on the product
On Lab3Ace Tamp applicator there is a standard Tamp-pad with pivoting head for taking up uneven surface. Optional we can supply the tamp with a Tamp-blow function for contactless applying of the label.

- **Modular**
- **Operator Display**
- **Fast**
- **Flexible**
- **Different types of applicators**
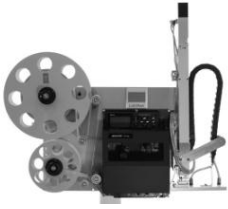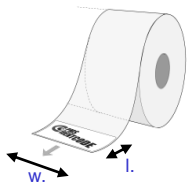- **I/O's to external system**
- **Large label roll**

Lab3Ace

Lab3Ace The new generation of system for automatic labeling of Products – Boxes – Crates and Pallets.

Applicator Lab3Ace® TAMP Left Hand	**Tamp Applicator** **Stroke** 180 mm 230 mm 380 mm **Orientation** Left or Right hand version
Applicator Lab3Ace® SWING	**Swing Applicator** **Arm length** 250 mm 380 mm **Orientation** Left or Right hand version
In-Line printer	**Print Engine, thermal or thermaltransfer** Sato or Zebra-printer will be delivered together with the applicator to form a complete unit. Select resolution on printhead; 203, 300 or 600 dpi and print width 104 alt 152/166 mm. Optional communication: RS232, USB, Ethernet, WiFi. (See actual printer)
Label Format	**Vacuum Pad, model Flexible** Standard formats: label width x length: Standard tamp pad for contact applying 60 x 138 Vacuum 75 x 50 Vacuum 100 x 30 Vacuum 100 x 100 Vacuum 100 x 150 Vacuum 130 x 60 Vacuum 165 x 90 Vacuum 170 x 150 Vacuum **Option** Tamp-blow for Contactless applying with same sizes as above. 148 x 210 A5, Vacuum/fan 148 x 210 A5, Vacuum/fan/air-jet Diameter of max label roll: 300 mm, core 76 mm, space between labels min. 2 mm. Other sizes on request.

w. l.

Lab3Ace

Specifications

Speed, Max 80 /min. at max conditions with short distance to product. (depending on software and printer).

Operator Display, Graphic display for settings of applicator and label selection.

Base Unit Contains all components cabinets, unwind/ rewind function, applicator, electronics and pneumatics.

Electronic Control, Microprocessor board is used for control and communication between the printer, applicator and external devices.

Pneumatics, air cylinders, solenoids, and vacuum ejector as a complete function.

Pressure guard, mechanical sensor for recognition of the product and return to home position.

Position sensor, the sensor mounted on the cylinder that sense the home position.

Air Component's filter regulator with pressure gauge and water trap. 8 mm air connection.

Air Requirements, 6 Bar, free from oil and water. Consumption 5-125 liters per minute depending on applicator and speed.

Power, applicator 230 Vac, 50/60Hz 1-Phase. Printers 230/115 Vac.

Operating Temperature +5 º C - +40 º C. Non-condensing.

Weight, Approx. 50 kg incl. printer.

Dimensions, Height / Width / Depth - 500/650/550 mm. (Width depending on label length.)

Interface (optional to Printer), USB, RS232, Ethernet and wireless network connectivity.

Optional Features
Tamp-blow
Floor stand fixed / adjustable
Beacon alert lights
Barcode Control
Product sensor
RFID upgradeable
Label Program
Panel PC with Windows 7