

LA-6000

Label Printer-Applicator

Overview



Special Features

- Variable-height high-speed label print and apply
- Modular construction for easy service
- One-to-one media consumption reduces downtime
- Numerous I/O's ease interfacing with external devices
- Available with RFID capability

Weber's LA-6000 high-speed variable-height print-apply system makes it easy to print and apply labels to various height boxes quickly and efficiently.

If you are running a production line that needs to label cartons that are continuously varying in size, such as at a distribution center or large fulfillment house, then the LA-6000 can help.

Do your demands include product traceability, quality assurance, tracking and tracing in logistics or individual identification of products for just-in-time production? Weber has the answer.

Using the tamp-blow method, the LA-6000 can print and apply up to 40 labels per minute (dispensing output depends on label size, text change and dispensing stroke) to products that vary in height up to 19.68" (500mm). And label placement accuracy is $\pm 0.03"$ (1mm).

- Interchangeable dispensing heads allow the use of different label sizes.
- Print engines by leading manufacturers such as Zebra and SATO allows an optimal match to the application and its specific printing requirements. (Thermal-transfer or direct-thermal.)
- Peak performance is achieved using a servo motor driven dispensing applicator and carbon fiber construction.
- The LA-6000 will handle large label rolls with an ergonomically adjustable reel holder taking maximum roll size of up to 13.7" (350mm) in diameter.

A sensor initially determines the height of the approaching product for labelling and then the applicator moves to the correct position at high speed. This reduces the travelling distance for label application, allowing the LA-6000 to simultaneously label more accurately and up to 50 percent faster than a label printer-applicator with a pneumatically driven cylinder.

The newly redesigned microprocessor controller is compact and facilitates easy integration into existing operating environments. The system's modular construction allows easy access to components for servicing and or maintenance, enabling convenient changing of labels and ribbons as well as easy cleaning of the print module's thermal print head.

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General Specifications



Printing Technology

Thermal transfer or thermal direct

Print Resolution

9 dots/mm (203 dpi)
12 dots/mm (300 dpi)
24 dots/mm (600 dpi)

Printing Speed

Up to 15.7" (400mm) per second

Dispensing Output

Up to 40 labels per minute; dispensing output depends on label size, text change and dispensing stroke

Label Sizes

Tamp-Blow standard - minimum: 1.9" x 1.5" (50 x 40mm); maximum: 4.7" x 7.8" (120 x 200mm); Significantly larger or smaller labels are possible with special dispensing heads.

Label Gap

Minimum 1/8" (3mm)

Labeling Accuracy

Position accuracy of the dispensed labels:
Standard: up to $\pm 0.03"$ (1mm) with controlled product handling
Optional: $\pm .015$ (0.5mm)

Product Sensing

Reflex sensor, light barrier, inductive or capacitive sensor, micro switch, floating contacts (PLC)

Alarm System

Standard: error message in text display, floating contacts (PLC) optional: 3-color alarm stack

Air Requirements

3 cfm at 90 psi; compressed air must be clean, dry and oil-free (DiN isO 8573-1)

Weight

From 220 lbs (100 kg) depending on model

Electrical

92 to 263 VAC, 50/60 hz, 5 amp

Environment

Operating temperature: 50°F to 95°F (10°C to 35°C), 15% to 95% relative humidity, non-condensing

Certification

Ce mark

Options

- RFID labeling
- Bad tag discard
- 3-color alarm lamp
- Dust and water spray protected enclosure for use in particularly harsh environmental conditions (also with heating)
- Bluhmware for system control and interlinking
- Legitronic® label printing software
- Label presence check, scanner (1-D/2-D)
- Vision systems, sensors, RFID gates, product sensors, product height recognition, variable dispensing stroke sensing, tripod in different versions (stationary and spindle-adjustable)
- Dispensing applications (servo motor) top pallet labelling using extra long dispensing stroke, linear applicator with up to 47.2" (1,200mm) dispensing stroke, 90° and 180° swivel applicator, and short stroke high-speed linear applicators