

LA-2050

Label Printer-Applicator

Overview



Special Features

- Sato CLNX label printer
- Applies up to 25 labels per minute
- Prints and applies label up to 4.7" x 6.2"
- Uses 1968' ribbons and 8.5" diameter label rolls
- Works with automated production line or as a stand-alone system

When you are looking for a low-cost yet high-performance automated print and apply system, look to Weber's LA-2050 labeling system.

This robust system offers maximum performance in a small compact footprint using a highly-efficient low-energy tamp blow applicator for contactless labeling. Labeling accuracy is ± 0.05 inches. The LA-2050 is perfect for small ecommerce fulfillment companies or anyone needing to automate their labeling for the first time.

Featuring a variable stroke tamp and sensor, the LA-2050 provides automatic labeling for products of different heights. Able to apply up to 25 labels per minute, the system can be used as part of an automated production line or as a stand-alone unit in a jig fixture for accurate labeling.

The LA-2050 uses a 300-dpi Sato CLNX thermal-transfer label printer that can print thermal-transfer or direct thermal labels as small as 1.1" x 1.5" up to 4.7" x 6.2" (ideal for 4" x 6" shipping labels). The printer uses an 8" label roll and up to 1968-foot ribbons for longer continuous operation between changes. The printer works with many programming languages such as ZPL, DPL, IPL, and TPL without having to change any settings.

Print jobs are sent to the Sato printer which then feeds the printed labels to the LA-2050 for application. The system is easy to operate and can quickly integrate into your current production line. Data interfaces include USB, LAN, Bluetooth and IEEE1284.

General Specifications

Printing Method

Thermal transfer or direct thermal

Printing Resolution

12 pixels/mm (300 dpi)

optionally:

9 pixels/mm (203 dpi)

24 pixels/mm (600 dpi)

Printing Speed

Up to 200 mm per second with 300 dpi

Dispensing Power

Up to 30 labels per minute; the dispensing power depends on the label size, label change, and stroke

Dispensing Applicators

Linear stroke 170 mm

Tamp Sizes

4.72" x 6.29" (120 x 160 mm)

Optionally smaller sizes available

Label Size

Minimum: 1.57" x 1.18" (40 x 30 mm)

Maximum: 4.72" x 6.29" (120 x 160 mm)

Label Clearance

Minimum 0.11" (3 mm)

Label Roll

Maximum roll diameter 8.5" (218 mm), up to 7874" (200 linear meters) of label web, roll core 3" (76.2 mm), outside winding

Data interfaces

1 x USB (type B), 1 x LAN, Bluetooth, 2 x USB (TYPE A), 1 x IEEE1284, optionally: W-LAN

Programming Languages

SBPL (Sato)

SDPL (Datamax emulation)

SIPL (Intermec emulation)

STPL (Toshiba-TEC emulation)

Control Interfaces

Potential-free outputs (relays), optocoupler inputs, SUB-D connection for photoelectric cell and customer signals

Position Accuracy of the Labels Applied

Standard: up to ± 1.5 mm

Print Application Activation

Reflex sensor, photoelectric barrier, inductive or capacitive sensor, micro-switches, potential-free contacts (PLC)

Alarm system

Standard: LED error message, potential-free contacts (e.g. for connection of a PLC)

Compressed Air Connection

6 bar, the compressed air must be clean, dry, and free of oil (DIN ISO 8573-1)

Compressed Air Consumption

2.2 l per dispensing cycle* with 6 bar (for most applications)

Weight

From 72.7 lbs (33 kg), depending on the design

Electrical Connection

90 to 263 VAC, 50/60 Hz, 5 Amperes

Ambient Conditions

Operating temperature: 10 °C to 35 °C, 15 % to 95 % relative air humidity, non-condensing

Approval

CE mark