

Model 4300e

Overview

Special Features

- All-electric operation
- Applies labels up to 6" wide x 6" long
- Prints text, bar codes and graphic images at 203, 300 or 600 dpi
- Gentle direct-tamp application using pad-mounted sensor
- Accurate labeling to within $\pm 0.03"$

All-Electric Label Printer-Applicator



Weber's economical Model 4300e Pro-ApPLY is an electrically-operated printer-applicator that features the functionality often limited to higher-duty pneumatic systems.

The result is a versatile in-line system that combines high-quality label printing and application that ensures fast, accurate pressure-sensitive labeling — and now it's available without the need to use externally-supplied compressed air.

The Model 4300e Pro-ApPLY system is designed and engineered by Weber, and is assembled in our own U.S. manufacturing facility. Each unit is equipped with an on-demand, thermal/thermal-transfer print engine from Datamax, SATO or Zebra to produce 203-, 300- or 600-dpi text, bar codes and graphic images at speeds up to 12 ips.

Labels up to 6" wide and 6" long are printed in a cost-efficient, next-out mode, and then are instantly applied to cartons or products on the production or packaging line.

Utilizing all-electric operation and the direct-tamp method of application, a printed pressure-sensitive label is automatically peeled from its liner and is retained by vacuum on the applicator's tamp pad. Unlike most conventional print-apply systems, the system's vacuum is created using electrically-operated fans instead of external compressed air.

The spring-loaded pad is extended up to 12.5" using an electric actuator traveling at 35 ips. As the tamp pad approaches the product, a pad-mounted sensor detects the product and slows the actuator to gently apply the label to the package.

Standard features include durable anodized aluminum and stainless steel construction, an integrated user interface with LCD display, numerous inputs/outputs to facilitate the use of a product sensor or other optional accessories, and stepper motor-driven rewind.

In addition, system components are readily accessible to ease service, and all units feature zero-downtime connectivity to ensure uninterrupted production.

Options include a stack light and an adjustable stand that enables the system to be oriented for top, bottom or side application.

The Model 4300e Pro-ApPLY operates with Weber's exclusive Legitronic® software, which simplifies label formatting, editing and printing.

Weber also manufactures a wide variety of stock and custom pressure-sensitive labels for variable imprinting, plus provides application-specific ribbons for thermal-transfer operation.

Model 4300e

General Specifications

All-Electric Label Printer-Applicator

Dimensions

28.92"L x 27.49"W x 22.45"H (73.5cm x 69.8cm x 57 cm)

Weight

110 lbs. (49.9kg)

Electrical

115 VAC, 60 cycle, 5 amps; overload protection built in; 220 VAC, 50 cycle optional

Communication Interface

High-speed serial interfaces: RS-232C and RS-422 with DB9F connector; RS-485 multi-drop capability; Zebra Net 10/100 print server

Product Sensing

Photoelectric

Printing Methods

Direct-thermal or thermal-transfer

Print Resolution

203-, 300- or 600-dpi, dependent upon print engine selected

Label Sizes

Max 6.0"W x 6.0"L (152.4mm x 152.4mm)
Min 0.625"W x 0.625"L (15.9mm x 15.9mm)

Tamp-Pad Sizes

4" x 4", 4" x 6", 6" x 4" and 6" x 6"

Print Speed & Resolution

- Zebra ZE500-4: Up to 12.0" per second (305mm) @ 203 dpi and 300 dpi
- Zebra 112R RFID: Up to 12.0" per second (305mm) @ 203 dpi
- Zebra 113R RFID: Up to 8.0" per second (203mm) @ 300 dpi
- Zebra ZE500-6: Up to 12.0" per second (305mm) @ 203 dpi
- Zebra ZE500-6: Up to 10.0" per second (305mm) @ 300 dpi
- SATO 8460SE: Up to 8.0" per second (203mm) @ 203 dpi
- SATO 8485SE: Up to 12.0" per second (305mm) @ 203 dpi
- SATO 8490SE: Up to 8.0" per second (203mm) @ 300 dpi
- SATO S84 Series: Up to 16", 14" or 6" per second (406mm, 355.5mm, 152.4mm) @ 203, 300 or 600 dpi
- Datamax A-4212: Up to 12.0" (305mm) per second @ 203 dpi
- Datamax A-4310: Up to 10.0" (254mm) per second @ 300 dpi
- Datamax A-4606: Up to 6.0" (152mm) per second @ 600 dpi
- Datamax A-6212: Up to 12.0" (305mm) per second @ 203 dpi
- Datamax A-6310: Up to 10.0" (254mm) per second @ 300 dpi

Label Roll Size

Maximum outside diameter 12.0" (305mm)

Labeling Speed

Contingent upon label size/content

Label Placement

Accurate to $\pm 0.03"$ (0.8mm) when labels are produced to specifications and product handling is consistent and controlled

Labels

Die-cut, waste removed with 0.125" (3mm) minimum separation between labels in running direction and 0.125" (3mm) maximum web over label width; direct or thermal-transfer

Software

Weber Legitronic®

Print Characters & Bar Codes

Text: Selection of fonts, including OCR-A & B representation
Bar Codes: UPC-A/E, EAN-8/13, Code 39, 12 of 5, Code 128, Codabar, MSI 2 of 5, Code 93, UPC Bookland, Matrix 2 of 5, Postnet, UCC/EAN 128, PDF-417, Maxicode, Data Matrix, others

(Text and bar codes can be rotated 360 degrees; horizontal and vertical character expansion)

Optional Features

- Adjustable stand
- Low-label sensor
- Strobe light