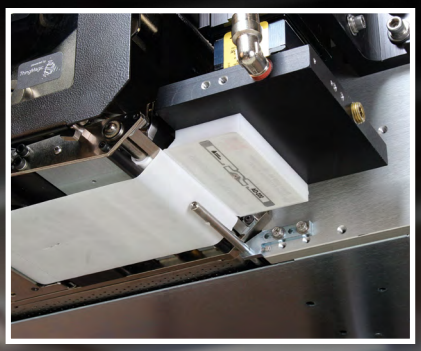
Model 5300 Label Printer-Applicators

Modular Design • Browser-Based Monitoring • RFID Capable

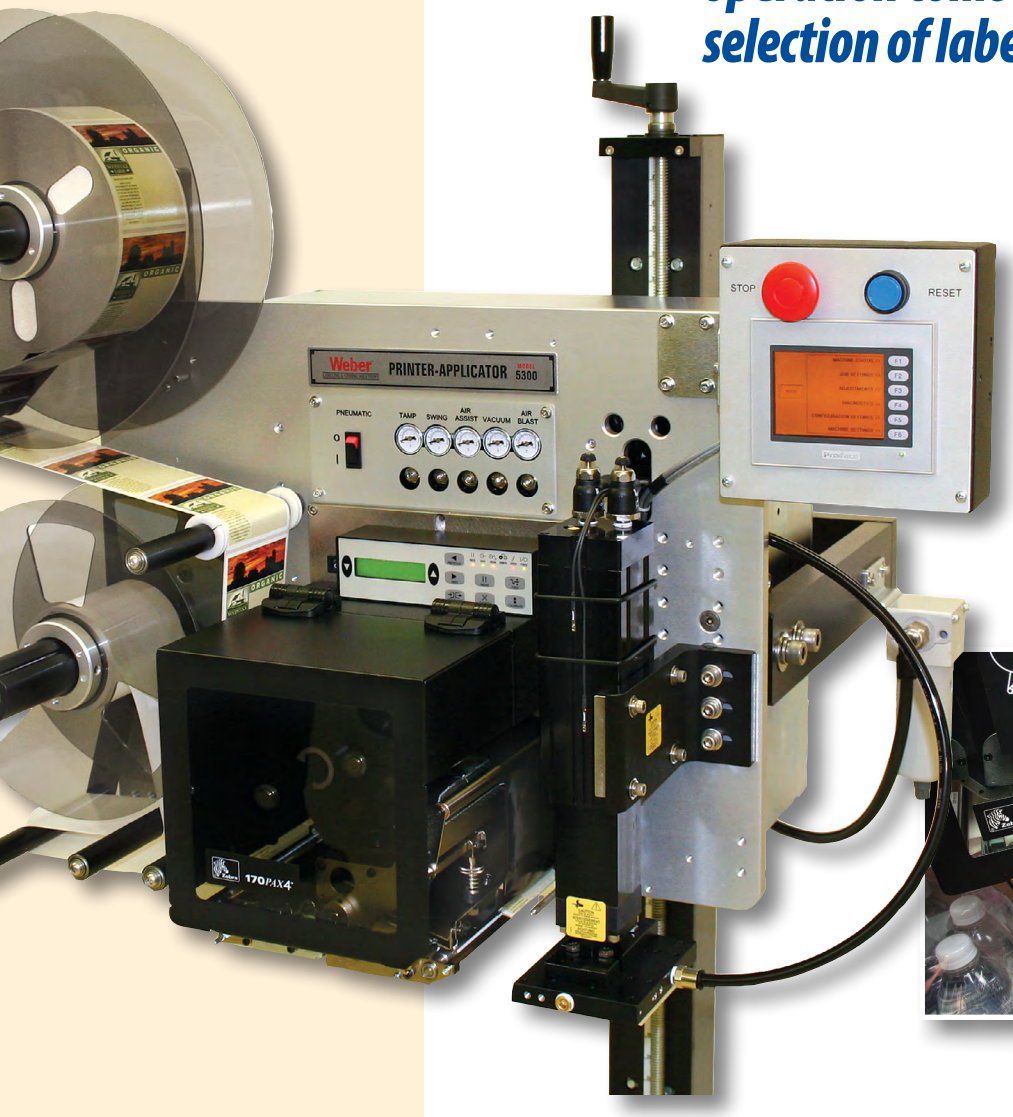


Weber®
LABELS & LABELING SOLUTIONS

Model 5300

Label Printer-Applicators

High-resolution printing and high-speed operation combined with a diverse selection of label application methods.



- *Modular design provides eight different application configurations*
- *Monitor operation via a web browser*
- *One-to-one media consumption reduces downtime*
- *Numerous I/O's ease interfacing with external devices*
- *Available with RFID capability*

RFID Configuration

Latest Details

For up-to-the-minute information on the Model 5300 system, plus video demos of various configurations, please log on to:

>> www.webermarking.com/5300_label_printer_applicator.html

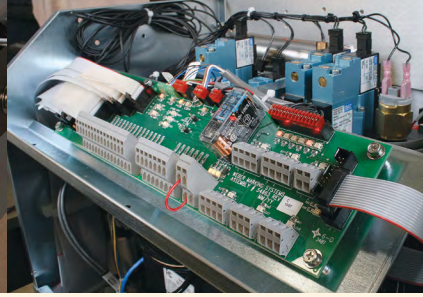
Weber's Model 5300 system is redefining the meaning of versatility in pressure-sensitive label printing and application.

In addition to offering a broad selection of high-quality print engines that feature various print resolutions and label dispensing rates, the Model 5300 system is available with optional RFID print-encode engines.

Standard direct- and thermal-transfer print engines from manufacturers Zebra, Sato and Datamax produce text, bar codes and graphic images at 203, 300 or 600 dpi. The Zebra-based RFID models combine these printing capabilities with the encoding and verification of RFID inlays to meet EPC Gen 2 protocols.

The Model 5300 system's print engines output labels up to seven inches wide and up to six inches long. To keep pace with high-volume, high-speed production lines, compatible print speeds vary from two to 16 ips.

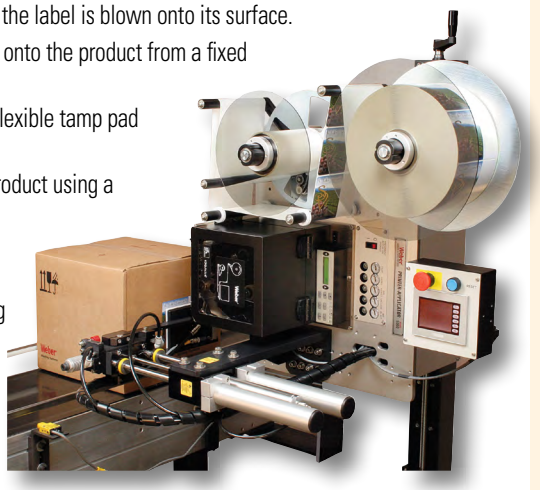
Specifications for all print engines appear on the back page of this brochure.

Modular Design

The Model 5300 printer-applicator system's modular design provides one standard system, yet a choice of eight distinct methods of label application that are accurate to ±0.03 inch:

- **Tamp-blow.** This is a very popular method of air-assisted label placement used with standard applications, and is particularly useful in the labeling of recessed areas. A printed label is fed onto a tamp pad and held by vacuum, a pneumatic cylinder extends to within .25 inch of the product, and the label is blown onto its surface.
- **Air-blow.** Another air-assisted process. The label is blown onto the product from a fixed distance without the aid of a pneumatic cylinder.
- **Direct tamp.** This method is similar to tamp-blow, but the flexible tamp pad makes direct contact with the product during application.
- **Swing-tamp.** Labels are applied to the front or back of a product using a 90-degree swing arm applicator and tamp-blow technology.
- **Twin-tamp**. Special rotary arm enables the application of two labels to the front and side of a product; or side and back; or one label can be placed on the front, side or back of an item using tamp-blow technology.
- **Corner-wrap.** One label is wrapped around the corner of a case using an articulating, contact method of application.
- **Dual-label**. For the printing and two-label, adjacent side labeling of pallets in line.
- **Electric tamp-blow.** Electrically-operated cylinder extends to the product and the label is blown onto its surface. Ideal for very high-speed labeling.



Twin-tamp Configuration

In addition, an optional secondary label wipe-down station is available as a complement to any of the above application methods. Quick-change tamp pads also may be ordered to accommodate various label sizes.

The Model 5300 system's modular design ensures that the system can be reconfigured to address subsequent print-and-apply labeling requirements. This modularity can preclude the future acquisition of an additional printer-applicator.

Special Features & Options

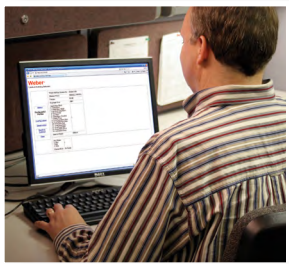
The Model 5300 system includes a number of noteworthy features that add to the operational versatility of this printer-applicator:

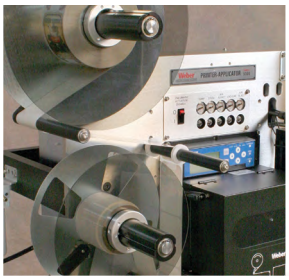
- **Browser-based monitoring.** The status of all operational functions and configurations can be monitored by logging on to a web page that is unique to each Model 5300 unit.
- **Numerous I/O's.** The system can be interfaced with many types of external devices.
- **One-to-one media consumption.** Special label unwind and rewind dimensions are matched to the system's ribbon supply to ensure they are consumed at the same rate, reducing downtime and eliminating partial change-overs.
- **Print job storage.** Multiple label printing formats can be stored in the system's memory, making it easier for an operator to select a job directly from the applicator instead of downloading a computer file.

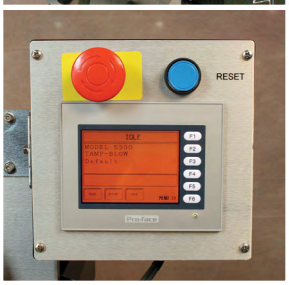
The Model 5300 system boasts numerous additional features as well, including a microprocessor controller with downloadable firmware capability, various inputs/outputs, plus durable construction that will withstand harsh industrial environments.

There also are several optional enhancements that can increase the system's functionality. A product height sensor, for example, enables the printer-applicator to label items of varying heights delivered by the same conveyor.

Other options include a 15-foot umbilical connection that enables the remote location of the unit's controller; an adjustable stand for optimum system orientation; label-on-pad sensor for added functionality; plus beacon light alerts to signal the status of label and ribbon supplies.







Labels & Ribbons

Weber manufactures a complete line of pressure-sensitive and RFID smart label materials that are compatible with a diverse range of labeling applications and compliant with various industry standards and specifications.

Custom-designed labels can be pre-printed with permanent information and graphics in up to 10 colors, with areas on the labels reserved for the variable data added by the system's print engine. In addition, Weber offers blank labels in numerous stock sizes.

Weber also provides a selection of thermal-transfer printer ribbons that are perfectly matched to our label materials and optimized for print-apply applications.

Versatile Software

Weber's exclusive Legitronic® labeling software makes the operation of all Model 5300 systems easy. This Windows®-based package simplifies label design, editing and printing, as well as RFID encoding.

More Information

Weber's direct account representatives can provide expert answers to any of your labeling questions. Nationwide application support and equipment service also are readily available through Weber's highly-trained technical team.

For additional information on the Model 5300 system, or to arrange a no-obligation demo, please phone **1.800.843.4242** or email us at **info@webermarking.com**.

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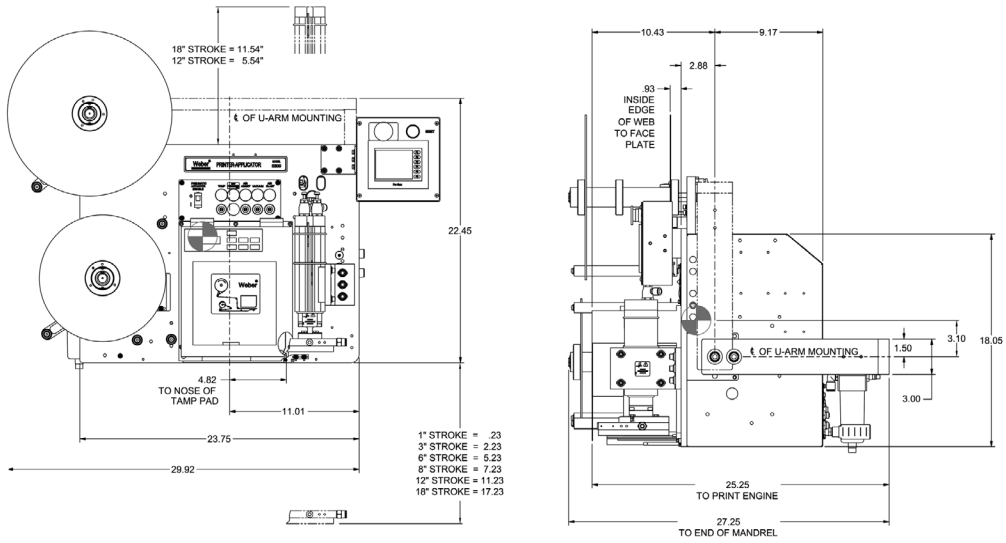
Specifications



Dimensions
29.9"L x 27.25"W x 28.25"H
(75.9cm x 69.2cm x 71.28cm)

Weight
174 lbs. (78.8kg)

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

Environmental
41-104°F (5-40°C); humidity 15-85% RH non-condensing

Communication Interface
RS-232-C; Centronics compatible

Air Requirements
3 cfm at 90 psi

Product Sensing
Photoelectric

Processor
Rabbit 3000 Microprocessor

Printing Methods
Direct-thermal and thermal-transfer

Print Resolution
203, 300 or 600 dpi, depending on print engine selected

Print Width
- Zebra 112*: 4.1" (104mm)
- Zebra 113*: 4.2" (107mm)
- Zebra R112 RFID: 4.1" (104mm)
- Zebra R113 RFID: 4.2" (107mm)
- Zebra 172: 6.6" (167.6mm)
- Zebra 173: 6.6" (167.6mm)
- Sato 8460SE: 6.0" (152.4mm)
- Sato 8485SE: 5.0" (127mm)
- Sato 8490SE: 4.4" (112mm)
- Sato S84 Series: 4.09" (104mm)
- Datamax A-4212: 4.094" (104mm)
- Datamax A-4310: 4.161" (105.7mm)
- Datamax A-4606: 4.157" (105.6mm)
- Datamax A-6212: 6.614" (168mm)
- Datamax A-6310: 6.401" (162.6mm)

Print Speed & Resolution
- Zebra 112*:
  Up to 12.0" per second (305mm) @ 203 dpi
- Zebra 113*:
  Up to 8.0" per second (203mm) @ 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 172:
  Up to 12.0" per second (305mm) @ 203 dpi
- Zebra 173:
  Up to 8.0" per second (203mm) @ 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 Width Range
- Zebra 112*:
  Max 4.5" (114mm); Min 0.63" (16mm)
- Zebra 113*:
  Max 4.5" (114mm); Min 0.63" (16mm)
- Zebra 112R RFID:
  Max 4.5" (114mm); Min 0.63" (16mm)
- Zebra 113R RFID:
  Max 4.5" (114mm); Min 0.63" (16mm)
- Zebra 172:
  Max 7.1" (180.34mm); Min 3.0" (76.2mm)
- Zebra 173:
  Max 7.1" (180.34mm): Min 3.0" (76.2mm)
- Sato 8460S:
  Max 6.5" (165.1mm); Min 1.0" (25.4mm)
- Sato 8485SE:
  Max 5.25" (133.3mm); Min 1.0" (25.4mm)
- Sato 8490SE:
  Max 5.25" (133.3mm); Min 1.0" (25.4mm)
- Sato S84 Series:
  Max 5.1" (129.5mm); Min 0.5" (12.7mm)
- Datamax A-4212:
  Max 4.65" (118mm); Min 1.0" (25mm)
- Datamax A-4310:
  Max 4.65" (118mm); Min 1.0" (25mm))
- Datamax A-4606:
  Max 4.65" (118mm); Min 1.0" (25mm)
- Datamax A-6212:
  Max 6.7" (170mm); Min 2.0" (50mm)
- Datamax A-6310:
  Max 6.7" (170mm); Min 2.0" (50mm)

**RFID Upgradeable Models*

Label Roll Size
Maximum diameter 13.75" O.D. (350mm)

Labeling Speed
Contingent upon print engine and label size/content

Label Placement
Accurate to ±0.03" (.76mm) when labels are produced to specifications and product handling is controlled and consistent

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

Labeling Software
Weber Legitronic® software

Print Characters & Bar Codes
Text: Selection of fonts, including OCR-A & B representation

Bar Codes: UPC-A/E, EAN-8/13, Code 39, I 2 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

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

Optional Features
- Adjustable Stand
- Quick-change tamp pad
- RFID upgradeable print engine**
- Label-on-pad sensor
- Product-presence sensor
- Beacon alert lights

*** Zebra 112 & 113 only*

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