Weber’s Model 5300 Dual-Label pallet printer-applicator marries a high-performance thermal/thermal-transfer label printer with a specially-engineered articulating swing-tamp applicator to perform the printing and two-label, adjacent-side labeling of pallets in line.

Designed and manufactured by Weber, the Dual-Label system features a selection of print engines, which includes 203-, 300- and 600-dpi units from manufacturers like Zebra Technologies, Sato and Datamax. Print engines are available to handle label sizes ranging from 4.0” wide and up to 8.0” long.

All systems print labels with variable-sized text, bar codes and/or graphic images. Various print speeds programmable at up to 16 ips.

As a label is printed, it is automatically peeled from its liner and retained by vacuum on a non-contact, tamp-blow applicator pad. The articulating tamp pad is mounted on an pneumatically-operated swing arm that reaches across the leading side of a pallet as it approaches the Dual-Label unit via conveyor. When the pallet is in position, a sensor mounted on the swing arm detects the pallet and the label is gently blown onto the lead panel of the pallet.

The swing-arm then retracts to collect a second printed label, which is followed by an articulated stroke that blows the label onto the adjacent side of the pallet to complete the cycle. Depending on a combination of label print engine, pallet size, conveyor speed and the proximity of the Dual-Label system to the pallet, up to five pallets per minute can be labeled.

Ruggedly constructed for use in a wide variety of industrial environments, the Dual-Label printer-applicator can handle harsh conditions and long, continuous duty cycles.

To facilitate routine maintenance, the system is programmed with built-in machine cycle diagnostics for self-testing of normal operating cycles, plus input diagnostics that permit testing on specific functions.

The Dual-Label system operates with Weber’s Legitronic® labeling software, which simplifies label formatting, editing and printing. Weber also manufactures and provides a wide variety of pressure-sensitive labels and compatible thermal-transfer ribbons to meet virtually any labeling requirement.

Special Features
- Monitor system operation via a web browser
- Numerous I/O’s ease interfacing with external devices
- One-to-one media consumption reduces changeovers
- System memory stores multiple print jobs
- Microprocessor controller with optional remote umbilical
**Model 5300 Dual-Label**

**Pallet Printer-Applicator Specifications**

- **Dimensions**: 50.71”L x 27.25”W x 29.25”H (128.8cm x 69.2cm x 71.3cm)
- **Weight**: 200 lbs. (90.7kgs.)
- **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
- **Air Requirements**: 5 cfm @ 90 psi
- **Product Sensing**: Photoelectric
- **Printing Methods**: Direct thermal or thermal-transfer
- **Print Resolution**: 203 dpi, 300 dpi or 600 dpi
- **Label Size**: Minimum*: 4.0"W x 4.0"L (101.4mm x 101.4mm)
  Maximum*: 4.0"W x 8.0"L (101.4mm x 203.2mm)
- **Print Area**: Up to 16.0" (406.4mm) per second at 203 dpi
  Up to 8.0" (203mm) per second at 300 dpi
- **Communications Interface**: RS-232C, Contronics compatible
- **Print Characters and Bar Codes**: Text: Eight fonts, including OCR A & B representation
  Bar Codes: UPC A & E, EAN 8 & 13, Code 39, Codabar, MSI, 2 of 5, Code 93, UPC Bookland and others. Text and bar codes can be rotated in 90-degree increments
- **Label Roll Size**: Standard 13.75” (349.3mm) diameter
- **Labeling Speed**: Contingent upon print engine, pallet size, conveyor speed and system proximity
- **Label Placement**: Accurate to ±0.125” (3mm) when labels are produced to specifications and product handling is controlled. Accurate, repeatable label placement is dependent upon consistent product handling, which includes conveyor speed, product orientation, and maintaining a consistent distance between the applicator and the product.
- **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
- **Options**: Choice of Zebra Technologies, Sato and Datamax print engines
  Heavy-duty, adjustable stand

* Dependent on printer selected

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