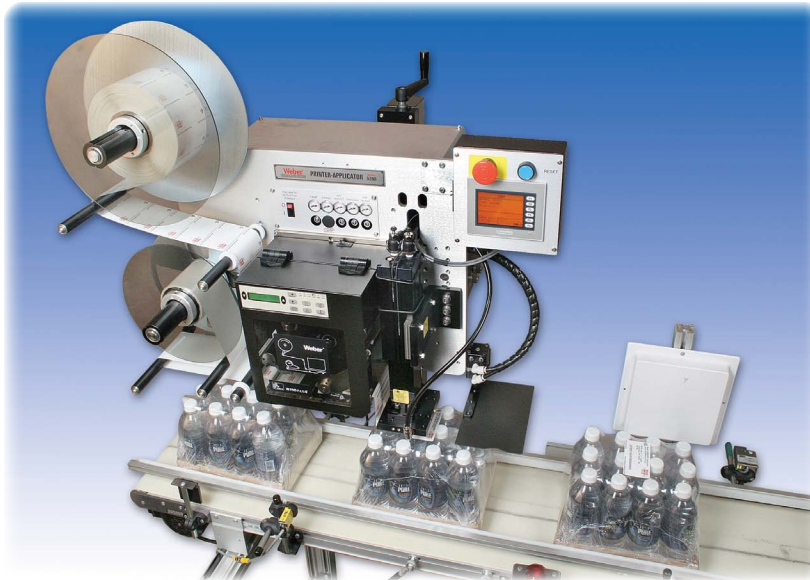


Model 5300rfid

Smart Label Printer-Applicator with Pre-Apply Reject



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

Weber's exclusive Model 5300rfid label printer-applicator makes it easy to print, encode, verify and apply pressure-sensitive RFID smart labels to cartons and pallet loads in one automatic operation. In addition, the system determines if a tag is unverifiable and rejects it prior to application.

Designed and engineered by Weber, this system provides high-quality smart labeling that will meet the RFID supply chain requirements of major retailers and government agencies, plus ensures precise label printing and application.

The Model 5300rfid offers a selection of thermal/thermal-transfer print-encode engines— including units from Zebra Technologies— that produces smart labels imprinted with text, bar codes and graphics at 203 or 300 dpi. Depending upon the print engine selected, smart labels can be up to 5" wide and 6" long and can be dispensed at up to 16" per second.



As a smart label is printed, the Model 5300rfid's integrated encoder simultaneously transfers digital information to the thin, ultra-high frequency (UHF) transponder that is embedded in the pressure-sensitive label material.

That encoded information instantly is verified by the system, which then applies the smart label to the top or side of a carton or pallet load as it moves by on a conveyor line. Labels are applied using the non-contact, tamp-blow method, which gently blows the label onto the surface from 0.25" and is accurate to within 0.06".

Pre-Apply Reject

If a tag is not verifiable, the system's unique swing plate automatically is deployed to intercept the smart label prior to application. This method

does not alter print engine operation, media handling or dispensing, yet collects and counts the rejected labels for subsequent disposition.

The print engines encode EPC Gen 2 inlays. And because its firmware is upgradeable to support new protocols, users are assured that they can seamlessly upgrade to future RFID protocols as needed.

In addition, Weber is offering special retrofit kits that will enable present users of Model 5300 printer-applicators to upgrade their units to meet the requirements of smart labeling without completely replacing existing systems.

The Model 5300rfid is constructed to withstand harsh industrial environments. Vital electronic components are safely housed inside the applicator's corrosion-resistant, stainless steel casement.

Labels are formatted using Weber's proprietary Legitronic® Labeling Software, a package that combines label design, editing and printing with RFID encoding to create great-looking, readable smart labels.

The 5300rfid also provides XML-enabled printing to permit direct smart label printing and encoding from leading MRP applications.

Pressure-sensitive smart labels embedded with EPC Gen 2 inlays are available from Weber. These labels also are ideal for high-quality thermal/thermal-transfer imprinting. Weber supplies a variety of compatible thermal-transfer ribbons, as well.

Options

- Adjustable stand
- Label-on-pad sensor
- Product presence sensor
- RFID retrofit kits



Weber
Labels & Labeling Systems

Model 5300^{rfid}

Smart Label Printer-Applicator Specifications

Dimensions

29.92" L x 27.25" W x 28.25" H
(759mm x 692mm x 717.5mm)

Weight

174 lbs. (78.9kg)

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

Communications Interface

RS 232-C; Centronics compatible

Air Requirements

3 cfm @ 90 psi

Product Sensing

Photo Electric

Printing Methods

Direct thermal or thermal-transfer

Supported Transponder Type

EPC Gen 2; upgradeable to support future protocols

Print Resolution

203 or 300 dpi, depending on print engine selected

Print Speed

Up to 16" (406mm) per second, depending upon print-encode engine

Label Sizes

Up to 5.0" W x 6.0" L, depending upon print-encode engine (127mm x 152.4mm)

Label Roll Size

Maximum 13.75" diameter (349.2mm)

Label Placement

Accurate to 0.06" (1.5mm) 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

Labeling Software

Weber Legitronic[®] Software

Bar Code Symbolologies

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



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