

Model 5200^{rfid}

Smart Label Printer-Applicator with Pre-Apply Reject



- ◆ Prints, encodes and applies EPC Gen 1 and Gen 2 labels
- ◆ Senses and rejects unverifiable RFID tags
- ◆ Handles media up to 5" x 6"
- ◆ Retrofit kits available to upgrade existing Model 5200 systems

Weber's exclusive Model 5200^{rfid} label printer-applicator makes it easy to print, encode 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 5200^{rfid} 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 12" per second.



As a smart label is printed, the Model 5200^{rfid}'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 1 and 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 5200 printer-applicators to upgrade their units to meet the requirements of smart labeling without completely replacing existing systems.

The Model 5200^{rfid} 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 5200^{rfid} 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 1 and 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®

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Smart Label Printer-Applicator Specifications

Dimensions

28.75" L x 27.52" W x 22.5" H
(73cm x 69.9cm x 57.2cm)

Weight

150 lbs. (68kg)

Electrical

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

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 1 and Gen 2; upgradeable to support future protocols

Print Resolution

203 or 300 dpi, depending on print engine selected

Print Speed

Up to 12" (305mm) 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 12.0" diameter (305mm)

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 Symbologies

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

