Smart label printer-applicator with reject

Print-Encode-Apply

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.

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".

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.

Standard 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
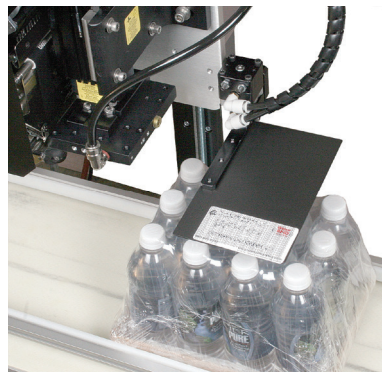
Weber®
Packaging Solutions

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)

Max Print Width
• Zebra ZE511 203, 300 and 300 dpi:
4.09" (104mm)
• Zebra ZE521 203 and 300 dpi: 6.6"
(168mm)
• Sato S84-NX: 4.1" (104 mm)
• Sato 86-NX: 6.6" (167.5 mm)

Print Speed & Resolution
• Zebra ZE511 203 dpi: Up to 18.0"/
second (457mm)
• Zebra ZE511 300 dpi: Up to 14.0"/
second (356mm)
• Zebra ZE511 600 dpi: Up to 6.0"/
second (152mm)
• Zebra ZE521 203 dpi: Up to 14.0"/
second (356mm)
• Zebra ZE521 300 dpi: Up to 12.0"/
second (305mm)
• SATO S84-NX Series: Up to 16", 14"
or 6"/second (406.4mm, 355.6mm,
152.4mm) @ 203, 300 or 600 dpi
• SATO S86-NX Series: Up to 14" or
12"/second (355.6mm, 304.8mm) @ 203
or 300 dpi

Label Width Range
• Zebra ZE511 203, 300 and 600 dpi:
0.625" (16mm) to 4.5" (114mm)
• Zebra ZE521 203, 300 and 600 dpi: 3"
(76mm) to 7.1" (180mm)
• Sato 84-NX: Max 5.16" (131mm); Min
0.51" (13mm)
• Sato 86-NX: Max 7.09" (180mm); Min
2.13" (54mm)
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 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