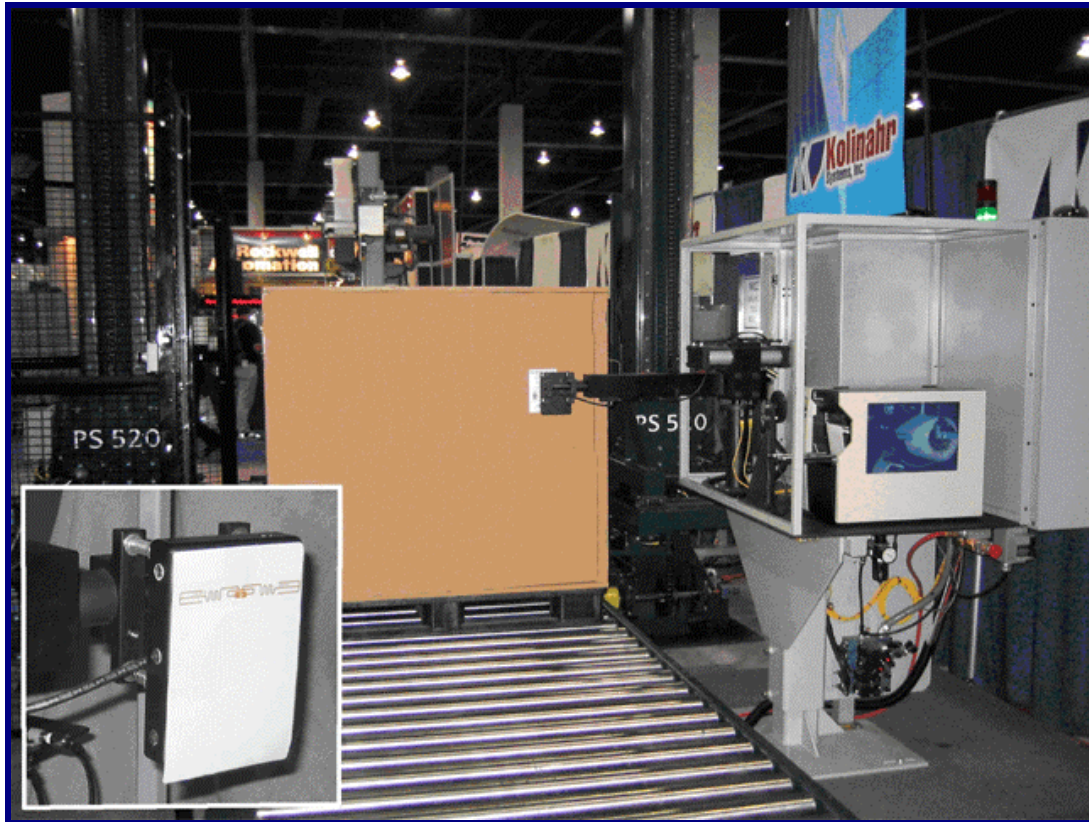

SA2200-RF DUAL PANEL RFID PALLET LABELER



General Description

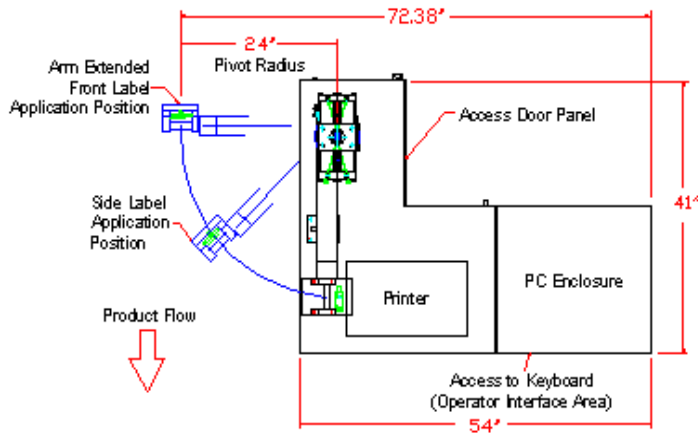
The SA2200-RF Dual Panel RFID Pallet Labeler is designed to read, write, print, and apply RFID-enabled labels to the front and/or side of a pallet load. The SA2200-RF Labeling System utilizes a Zebra™ RFID-enabled printer to read, write, and verify EPC-compliant RFID tags embedded in the labels.

The 3" × 3" thick "Super Arm" takes a label from the print station, rotates out 90 degrees and applies it to the leading edge of the pallet. The arm then returns to accept a duplicate label that is then applied to the side panel. For dual-sided applications, EPC tags can be embedded under every other label. A PC program simplifies the process of managing the label format and database. The SA2200-RF is controlled by a PLC, which can communicate with the conveyor, stretch wrapper, and palletizer to ensure proper product handling during the labeling sequence.

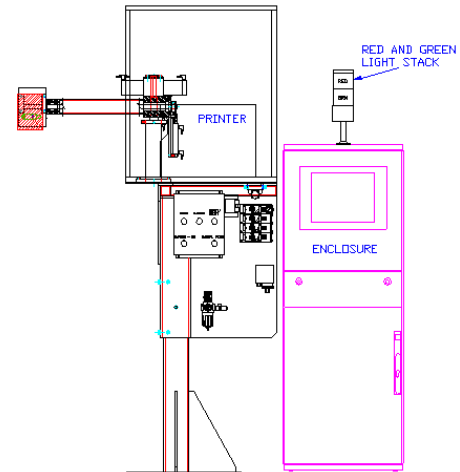
If the embedded RFID tag cannot be read/written/verified, a fault status will be displayed. A label removal system on the SA2200-RF will dispose of the invalid EPC tag after it is dispensed onto the tamp pad, prior to application. This process ensures that a valid RFID tag will always be placed on the pallet load.

SA2200-RF DUAL PANEL RFID PALLET LABELER

Top View



Side View



Specifications

| | |
|-------------------------|--|
| Size (L x W x H) | 41" x 54" x 84" (1.0 m x 1.4 m x 2.1 m) |
| Electrical | 110 VAC, 60 Hz, Single phase, 10 Amp |
| Pneumatics | 3 CFM (85 Lpm) @ 60 PSI (414 kPa) Clean Dry Air |
| Standard Printer | Zebra RFID-enabled table top printer |
| Print Resolution | 203/300 dpi (8/12 dots/mm) |
| Print Speed | 12.0" (305 mm) per second maximum |
| Print Width | 4.1" (104 mm) maximum |
| Print Length | 10.0" (254 mm) maximum |
| Label Specifications | 8.0" (203 mm) O. D. on 3.0" (76 mm) cores Die-cut labels with 1/8" (3 mm) space |
| RFID Tag Specifications | EPC Class 1 Gen-1 (64 bits of Read/Write memory) Gen-2 support w/ RFID printer firmware upgrade when spec finalized |

Options

| |
|--|
| 12.0" (305 mm) O.D. on a 3.0" (76 mm) I.D. core unwind |
| Custom labeling height available |
| Customer-specified control system (Allen-Bradley PLC/SLC/CLX, Flex I/O, Modicon, more) |
| Mounted barcode scanners |
| Preprinted RFID label dispenser (SA2201-RF) |
| Sato, Datamax, Intermec, or other RFID-enabled table top printers |
| Turnkey installation |
| Non-EPC-compliant RFID-enabled printers (for HF "Smart Labels") |
| Customer-specified interface to printer (AS400, Oracle, SAP, more) |

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SA2200-RF DUAL PANEL RFID PALLET LABELER

| Standard Features | Benefits |
|---|---|
| "Super Arm" Label Applicator | Applies labels to the front and/or side of pallet loads Extremely durable – the 3" x 3" thick arm is specifically designed to handle the impact of a runaway unit load |
| Spring-Loaded Tamp Pad | Adjusts to variations on the pallet load surface |
| "Invalid Tag" Removal System | Allows removal of a bad tag prior to being applied to the unit load Ensures that a valid RFID tag will always be placed on the pallet load |
| Labeling Head Enclosure | Protects operators from pinch points Protects labeler from damage |
| PLC Machine Control | Control program can be customized for the application Communicates with other finished product handling equipment Allows for full diagnostics feedback |
| KLASS Labeling Software on IBM-Compatible PC | Provides template and database flexibility at the labeler Prepares fault and ZPL code reports |
| Zebra® RFID-enabled Printer | High quality thermal transfer printing Easy to maintain or replace High success rate for RFID Read/Write commands |
| High Grade Pneumatics | Soft-start reduces pneumatic impact during startup On/off controls minimize air usage by the vacuum pad/air assist system |
| Heavy-Duty Pedestal Stand | Protects machine from damage Provides stable base for the machine Allows manual height adjustment |
| Industrial Safety Components | LEXAN® safety guard around pinch points NEMA 12 controls enclosure Lockable electrical disconnect and air dump valve |
| Status Light Stack | Provides a quick visual monitor for the operator |
| Media Status Indicators | Low-level and media fault detection minimizes downtime |

Spring-loaded Tamp Pad

