Print & Apply Labeler

Robotic Label Applicator

On wide width coils, the robotic label applicator is capable of affixing between 3 and 4 labels. This automated system first retrieves a label from the printer and then precisely positions it, ensuring accurate placement.

- Equipped with a high-speed, flexible anthropomorphic robot and a camera that verifies label application accuracy and barcode legibility, this system excels in confined spaces.
- Moreover, its redundant design, featuring dual printers, enables uninterrupted production and automatic label reel changeovers, effectively doubling operational autonomy and boosting overall end-of-line productivity.
- With the dual-printer option, you can achieve uninterrupted production while simultaneously benefiting from automatic reel changeovers, effectively doubling your operational autonomy.

Efficiency

- In the realm of end-of-line processing and packaging, a revolutionary technology has emerged: Collaborative Robots, also known as cobots. By harnessing this innovation, our engineers have successfully accomplished tasks that were previously deemed impossible.
- Notably, they have utilized cobots to achieve remarkable feats, including labeling the interior of cores, handling round and square loads with a single machine, and applying labels to four sides and the top of a unit load, as well as affixing labels of varying sizes.

Flexibility and total traceability

- Expanding labeling capabilities to encompass multiple sides, tiers, and stacked pallet configurations.

Reliable, swift, and effortless

- Customers can benefit from enhanced value when labels are combined with RFID technology.
- These labels can be made from a range of materials, including paper, polypropylene, polyester, vinyl stock, and more, offering versatility in their application.

Safety

- To safeguard your products and workforce, cobots come equipped with a built-in force limitation feature, which can be tailored to meet specific safety requirements.
- If the cobot encounters an unforeseen force exceeding the predetermined threshold, it will automatically halt and remain stationary until the operator intervenes to remove the obstruction and restart the program.

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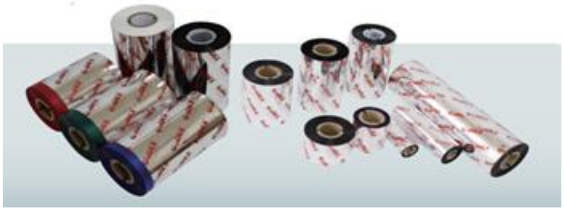
Application method
Tamp Robotic Arm
Working Radius
Standard: 900 mm
Optional: request
Repeatability
±0.02 mm
Print technology
Thermal Transfer / Direct Thermal
Print resolution
203 DPI | 300 DPI | 600 DPI
Up to 1200 DPI (color ink)
Print speed
Up to 16 ips (425 mm/s)
Throughput
Up to 20 pallet per minute (depending on label size, telescopic stroke)
Ribbon specification
Up to 600m
Digital ink (optional)
CYMK
Label specification
Width/length: 5.9 to 6 .9" / 4.0 to 8.3" (150 to 175mm / 100 to 210mm); A5/A6
Capacity: Up to 330mm spool diameter
Print capabilities
Full downloadable font support using TrueType® fonts (including multiple languages and Unicode support); fixed, variable and merged text fields; flexible date/time formats; flexible shift code formats; auto best before date calculations and concession management; calendar rules; auto incrementing decrementing text, counters and bar codes; multiple graphic formats supported (up to maximum print area); link fields to databases; scalable text and text blocks
Connectivity
Ethernet, Power-over-Ethernet, RS232, Configurable I/O (24V, PNP and volt free)
USB (for backup/restore and label upload)
TCP/IP, Modbus, Wi-Fi

Bar codes supported
1-D Barcodes : China Postal Code, Codabar, Code 11, Code 32, Code 39, Code 93, Code 128 (subset A, B, C), EAN-8/EAN-13 (with 2 & 5 digits extension), EAN 128, FIM, German Post Code, GS1 DataBar, HIBC, Industrial 2 of 5, Interleaved 2-of-5 (I 2 of 5), Interleaved 2-of-5 with Shipping Bearer Bars, ISBT-128, ITF 14, Japanese Postnet, Logmars, MSI, Postnet, Plessey, Planet 11 & 13 digit, RPS 128, Standard 2 of 5, Telepen, Matrix 2 of 5, UPC-A/UPC-E (with 2 or 5 digit extension), UCC/EAN-128 K-Mart, Random Weight and Pharmacode
2-D Barcodes: Aztec code, Code 49, Codablock F, Datamatrix code, MaxiCode, Micro PDF417, Micro QR code, PDF417, QR Code, TLC 39, GS1 Composite, DotCode, Marco PDF 417
Compressed air
Compressed air, 2-3 CFM, 60 psi
Power consumption
115 Volts AC 60Hz 8 Amps | 220 Volts AC 50Hz 4.0 Amps
Operating environment
Temperature Range: 41-104°F (5-40°C)
Humidity: 20-85% Relative, non-condensing



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