



RAPTOR

HIGH-PERFORMANCE PRINT AND APPLY LABELING SYSTEMS

KEY FEATURES ≡

- » **Increased efficiency** — 80% more labels per roll versus traditional systems
- » **Lean and green solution** — With no liner waste to discard, operator efficiency is maximized, which reduces environmental impact
- » **Variable-length labels on demand** — Eliminates the need for dedicated labeling units for each label size
- » **High-throughput top-apply design** — Up to 100 ppm with one head
- » **Modular quick-change components** — Reduces the need for redundancy

One of the primary goals of any distribution center is to move product through the facility quickly and efficiently. The labeling process, even when automated, is often the limiting factor in production throughput. And because traditional systems cannot accommodate higher volumes with a wide range of package sizes, operators are forced to deploy multiple lines and/or multiple labeling systems per line to handle the demand. This results in more complicated logistics, wasted space and additional maintenance.

The Raptor™ series from Fluence Automation represents the next step in the evolution of high-performance labeling systems, delivering a dramatic improvement in throughput, efficiency and maintainability.

EFFICIENT AND EASY TO MAINTAIN

The Raptor allows you to maximize up time, minimize waste, and accommodate a wide range of product sizes with a number operator-friendly innovations:

- » Modular components are replaceable in minutes, and label supply rolls can be changed in under one minute
- » Liner-free label stock provides 80% more labels per roll, so you won't have to change them as often

- » Variable-length labels are produced dynamically by a single unit, eliminating the need for dedicated systems for each label size
- » Pivoting mounting design allows the print-and-apply mechanism to be easily adjusted and serviced

ENVIRONMENTALLY FRIENDLY

Because Raptor uses liner-free label stock, there is no liner to dispose of. And because it produces a simple linear label cut (and no die cut), there is no wasted material between labels. The result is a much more environmentally friendly operation that can be incorporated into your green initiatives.

READY TO INTEGRATE INTO YOUR OPERATION

Raptor labelers are available in several configurations. And due to the system's high throughput, it is possible to create 1:1 redundancy with two systems on a high-speed line, with no reduction in performance.

The Raptor is easily integrated with industry standard cameras, scanners and scales. Leveraging decades of high-speed sorting implementations, Fluence Automation can readily integrate with external systems to retrieve real-time label data, support high-speed tracking and data transfer, and perform intelligent exception handling.

BACKED BY WORLD-CLASS SERVICE & SUPPORT

All Fluence Automation products are backed by our expert technical service team, with decades of experience supporting complex automation systems in 24 x 7 x 365 operations. With a nationwide field service team, we can provide the responsive expert support that your operation requires.



COMMON SPECS

Communication Interface	Ethernet interface and discrete I/O
Air Requirements	Clean dry air 4-10 cfm at 90 psi (dependent on application)
Product Sensing	Photoelectric
Printing Methods	Direct-thermal
Print Resolution	203 dpi
Label Sizes (W x L)	Max: 4" x 8.5" / Min: 4" x 1.5"
Print Speed & Resolution	Zebra 110Xi4 engine: Up to 14" per sec @ 203 dpi
Label Stock	Linerless direct thermal with silicone top coat
Label Roll Size	Maximum diameter: 16" (406 mm) 3,150 linear linerless label feet per roll
Fonts & Graphics	All fonts/graphics supported by Zebra printers
Bar Codes	All barcodes supported by Zebra printers: <i>Linear Code 11, Code 39, Code 93, Code 128 with subsets A/B/C and UCC case codes, UPC-A, UPC-E, EAN-8, EAN-13, UPC and EAN 2 or 5 digit extensions, Plessey, Standard 2-of-5, Industrial 2-of-5, Interleaved 2-of-5, Logmars, MSI, PLANET Code®, Codabar, 2-dimensional Codablock, PDF417, Code 49, Data Matrix, MaxiCode, QR Code, TLC 39, MicroPDF, Aztec</i>
Electrical	208 VAC, 3-Phase 5-wire, 30A (high-speed top apply) 110 VAC, Single Phase, 15A (standard speed top apply/side apply)
Footprint (L x W x H)	Labeler unit footprint, including base plate and swingout: 75" x 67" x 157" (1908 x 1702 x 4000 mm) Control cabinet: 24" x 13" x 30" (608 x 326 x 762 mm)
Label Placement	Tamp/blow application (36" servo-driven actuator for the high-speed top apply) accurate to ± 0.25" (6 mm) when product handling is consistent and controlled at up to 350 FPM



FOR MORE INFORMATION, VISIT: FLUENCEAUTOMATION.COM



fluenceautomation.com



1.888.832.4902



3323 N Kennicott Ave
Arlington Heights, IL 60004

© 2018 Fluence Automation, LLC. All rights reserved. Raptor, Fluence Automation and the Fluence Automation logo are trademarks or registered trademarks of Fluence Automation, LLC. PLANET Code is a registered trademark of the United States Postal Service. All other marks are the property of their respective owners. Specifications are subject to change without notice. Actual performance results may vary.