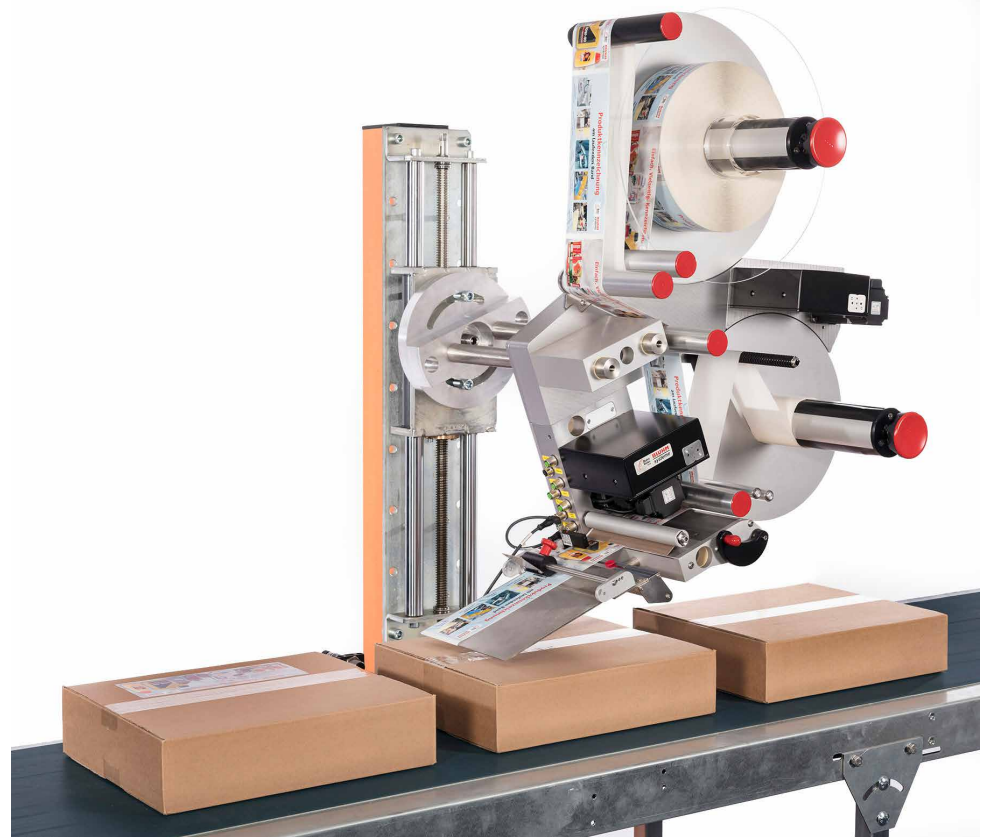


Alpha HSM

Label Applicator

Overview



Special Features

- Applies labels up to 12.5" wide x 78.7" long
- Operates at up to 500 feet/minute
- Modular design can be configured in multiple configurations
- Accurate labeling to within ± 0.01 " depending on product handling

The Alpha HSM (High-Speed-Modular), which features modular construction, is a high-speed labeling system that can be configured in a variety of models to handle multiple speeds and label sizes.

Every packaging line is different, so Weber engineered the modular Alpha HSM so that it can be ordered in ten different versions to fit just about any labeling application. Available in right- or left-hand versions, the Alpha HSM has 5.3" (135mm), 7.8" (200mm), 9.8" (250mm) and 12.6" (320mm) label width versions. The HSM can keep up with line speeds up to 500 feet/minute.

With a labeling accuracy of ± 0.01 ", the Alpha HSM can handle labels as small as 0.39" x 0.39" (10mm x 10mm) and up to 12.5" x 78.7" (320mm x 2000mm) (W x L). Depending on the label width configuration, the HSM can use label rolls up to 19" in diameter on 3" diameter cores.

Weber's Alpha HSM features high-speed labeling in a modular design for faster labeling speeds and more flexibility in application. The modules consist of a drive module, a label detection module, a dispensing module, an unwinder module, a rewinder module and an adapter module. These can be assembled according to a customer's specifications using our configurator to create just the right label applicator for their product line.

The HSM is available in multiple configurations including:

- **Alpha HSM 135-RH-SE-U30M-R30M** - Right-hand version with 5.3" (135mm) wide label width, mechanical unwinding and rewinding, HMI display, 164'/minute
- **Alpha HSM 135-LH-SE-U30M-R30M** - Left-hand version with 5.3" (135mm) wide label width, mechanical unwinding and rewinding, HMI display, 164'/minute
- **Alpha HSM 135-RH-SE-U40SE-R40SE** - Right-hand version with 5.3" (135mm) wide label width, servo motor unwinding and rewinding, HMI display, 262'/minute
- **Alpha HSM 135-LH-SE-U40SE-R40SE** - Left-hand version with 5.3" (135mm) wide label width, servo motor

unwinding and rewinding, HMI display, 262'/minute

- **Alpha HSM 200-RH-SE-U30MP-R40SE** - Right-hand version with 7.8" (200mm) wide label width, mechanical unwinding and servo motor rewinding, HMI display, 196'/minute
- **Alpha HSM 200-LH-SE-U30MP-R40SE** - Left-hand version with 7.8" (200mm) wide label width, mechanical unwinding and servo motor rewinding, HMI display, 196'/minute
- **Alpha HSM 200-RH-SE-U30SE-R40SE** - Right-hand version with 7.8" (200mm) wide label width, servo motor unwinding and servo motor rewinding, HMI display, 196'/minute
- **Alpha HSM 200-LH-SE-U30SE-R40SE** - Left-hand version with 7.8" (200mm) wide label width, servo motor unwinding and servo motor rewinding, HMI display, 196'/minute
- **Alpha HSM 320-RH-SE-U30SE-R40SE** - Right-hand version with 12.6" (320mm) wide label width, servo motor unwinding and servo motor rewinding, HMI display, 131'/minute
- **Alpha HSM 200-LH-SE-U30SE-R40SE** - Left-hand version with 12.6" (320mm) wide label width, servo motor unwinding and servo motor rewinding, HMI display, 131'/minute

All the systems feature multiple interfaces allowing connections for HMI display, product detector, rotary encoder, I/O signal, Ethernet network, and an aux in and aux out for sensor attachment.

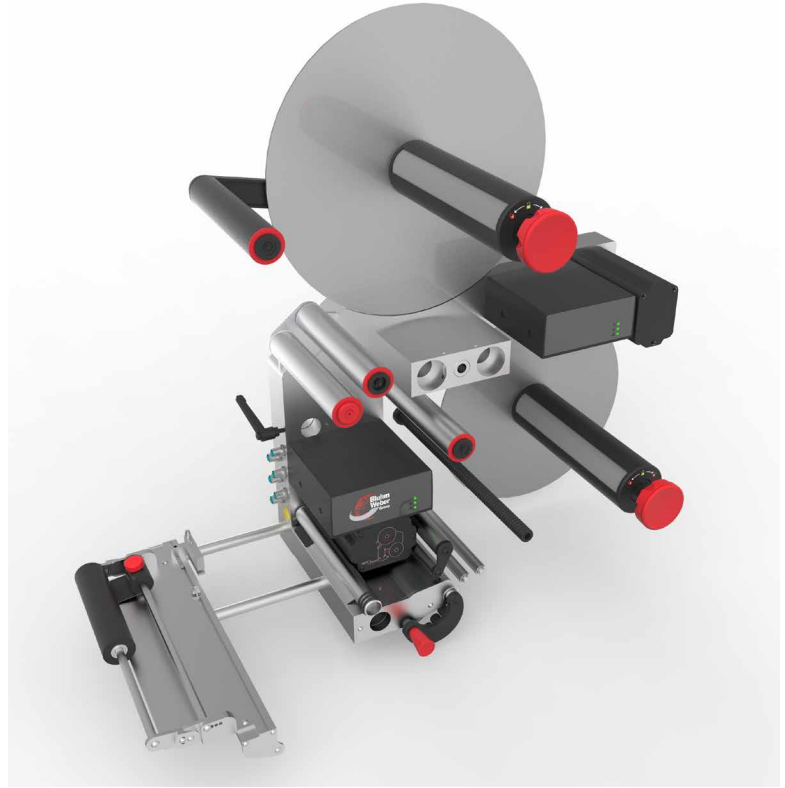
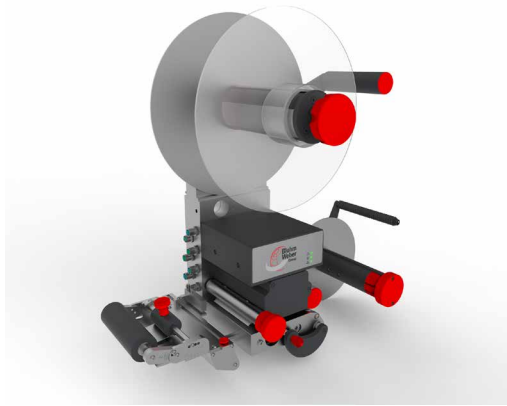
As you can see in the models listed above, the standard mechanical label unwinder and rewinder can be upgraded to a motorized servo-controlled system for higher labeling throughput speeds. Label application modules for the HSM include a fixed peeler plate, a swiveling peeler plate, a pneumatic peeler plate, and adjustable peeler plate or a pneumatic applicator. Label sensors can handle standard and transparent labels.

Three different user interfaces are available including OLED display, external PLC module or a web-based control. And the system is IP65 certified for dust and water spray protection and is constructed of durable aluminum with high rigidity for all working label widths.

Alpha HSM

Label Applicator

General Specifications



Dimensions

Depends on configurations

Weight

35-105 lbs. (16-48kg) depending on configuration, without labels

Maximum Dispensing Speed

Up to 262' per minute (80m/minute)
328' (100m) on request

Maximum Conveyor Speed

492' per minute (150m/minute)

Maximum Label Width

Alpha HSM-135: 5.3" (135mm)
Alpha HSM-200: 7.8" (200mm)
Alpha HSM-320: 12.6" (320mm)

Application Accuracy

±0.01" (0.03mm)

Maximum Label Length

78.7" (2000mm)

Minimum Label Size

0.39" x 0.39" (10mm x 10mm)

Temperature

32°-107°F (0°-42° C)

Electrical

90-240 VAC, 47-63 Hz

Maximum Label Roll

19" (500mm)

Compliance

IP65 rated