ALtech ALritma

Label applicators

Introduced in the year 2000, the ALritma labeling head series has been immediately appreciated for its reliability and user-friendly features. Due to ongoing technical development and a base of more than 20.000 units installed in the market, the latest version of the ALritma series includes cutting edge technology and represents the precise choice for packaging lines where production speed and label application accuracy are primary needs.

Product features

ALritma labeling units are based on an innovative mechanical structure which matches great sturdiness with versatility. The maximum label width varies according to the model and can be 100, 200 or 300 millimeters; all models have side access for web threading; a reel holder which has a diameter of 300 mm with an expanding locking spindle; the drive group has been designed to exploit the stepper motor features, guaranteeing accurate label positioning at speeds up to 50 m/min.

The body of the label applicator is remote from the electronic controls. Those are located in a separated control box with a compact and hygienic design. The unit can be placed and oriented in different ways, to provide comfortable access to the operator in any installation configuration. Thanks to the latest generation of "cool" electronic components that do not require the use of fans, the head can be powered with 110-240 V (auto-switching), and offers IP55 protection for both the head's body and the control box.

The applicator is controlled by a powerful microprocessor, with a 4.3" color touch screen panel which can manage advanced functions. This relieves the operator of complicated mechanical adjustments saving a considerable amount of time during format changeovers.

Standard features

- Adjustment of label dispensing speed.
- Label pre-dispensing adjustment.
- Labeling delay adjustment in mm, with shift register.
- Storing of 40 different labeling recipes.
- Automatic recovery of missing labels.
- Progressive and regressive counter.
- Filter for double product detection.
- End-of-roll alarm and web break alarm.
- Output connection to other systems.

Available features

- Printer/coders for variable data.
- Label sensor for transparent material labels (ultrasonic).
- Pneumatic and air-blow applicators.
- Near end of reel control, with multicolor alarm beacon.
- Non-stop control system, to control two sequentially placed applicators.
- Encoder for automatic speed matching, with algorithm to maintain label placement position at different speeds.
- Multipage labels kit.
- Semi-automatic kit.
- Ultra compact configuration (with smaller unwind unit).
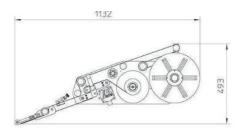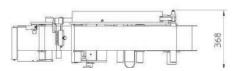
Configuration Examples

Technical Specifications

Set for being equipped with thermal SATO M series and S series print engines or compatible (Zebra Pax, Datamax, ACLASS, Cari Valetin).

ALRITMA S/M/L	
Label Width Max mm	100 (**S**), 200 (**M**), 300 (**L**)
Speed (m/min)	50 (**S**), 50 (**M**), 40 (**L**)
Controls	Display tpuch screen
Memory Capacity	40 formats
Machine Body Protection	IP55
Ø Unwind unit	300 mm
Standard Alarms	End of Roll /Web Break / Drive Open
Missing label recovery	Standard
Near end of roll check	Optional
Pneumatics applicator	Optional
Encoder	Optional
Transparent label sensor	Optional
Coder/TT Printer	Optional
Power Supply	240 V – 50 Hz – 400 W
Power Consumption	400 W