

AP122



Modular applicator for preprinted labels



Overview

The AP122 is a tamp-on/tamp-blow/direct blow label applicator for pre-printed labels which combines **high performance, accuracy, flexibility, robustness** and ease of use in a compact and **very affordable unit**.

Thanks to its modular design, it is possible to combine the standard AL122 machine body with the linear, Swing-arm or Direct blow units of the well known AP4050.

The AP122 can apply labels up to **90 labels/min** with linear units and up to **520 labels/min** with a Direct Blow unit.

The machine can use label rolls up to 300 mm (12") diameter, with standard 76 mm (3") core and width up to 120 mm (optionally up to 180 mm).

Two **separate stepping motors** power the paper feed mechanism: the independent rewinder allows keeping a constant web tension **without any mechanical adjustment**. There are NO clutches, brushes or brakes that require critical adjustment or periodic maintenance. Thanks to the "smart" and efficient management of the motors, the power requirement is limited to 120W max at full speed (much less in stand-by).

The AP122 is available in left-hand or right-hand version and it can be installed with different orientations, to apply labels on **any side of the product**. Thanks to its **compactness** (total thickness of just 240 mm in the 120 mm wide version), it can be easily installed also in tight spaces.

Learn more:

www.phoenixitalia.it/AP122

Easy to use HMI

As for the AL122, the operator interface can be really minimal: a pre-configured machine can be routinely operated with just one Start/Stop push-button and an alarm lamp, visible from distance, that indicates the operating condition of the machine. In installations where more local control is required, a more **flexible panel** with a 2x20 characters LCD, 2 LEDs and 5 function keys offers extensive diagnostics and menu-driven configurability with multi-language support. The **controller can be detached from the machine body** and remotely placed where it can be more conveniently accessible by the operator.

Remote control and connectivity

A USB interface also gives the possibility to use an **external PC** to remotely monitor, control and configure the machine, with sophisticated diagnostic and management capabilities, including **simultaneous control of several machines from the same PC** in a simple and user-friendly environment.

The AP122 is also compatible with our 4050CB: a powerful connection box which adds to the applicator's standard connectivity Ethernet and WiFi protocols.

Twin system for minimal down time

On production lines requiring minimal down-times, it is possible to directly interconnect two machines in a "**twin system**" that automatically switches operation to the other unit when the current one stops for any reason (typically to reload a new label roll).

Industry-standard M12 connectors are used for all I/O interface signals except for USB.

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Linear stroke units

Overview

The widely-used linear application units are available in two standard stroke lengths: 250mm and 500mm. They can apply up to 90 labels per minute, depending by label size and stroke length.

All the units are equipped with a low-force Festo pneumatic ISO-cylinder, that together with the machine's design, makes the AP122 intrinsically safe for the operator.

All the linear units comes with a quick-exchange application plate to hold different label sizes on the same machine.

Dimensions

661x555x245 (250 mm linear unit, 120 mm paper width)

661x805x245 (500 mm linear unit, 120 mm paper width)

661x555x305 (250 mm linear unit, 180 mm paper width)

661x805x305 (500 mm linear unit, 180 mm paper width)

Weight

minimum 27 Kg

Labelling rate

Up to 90 labels/minute

Label size

minimum 19x19 mm

maximum 160x120 mm

Label stock

300mm diameter, 76mm (3") core

Display controller

Robust HMI, aluminum machined. Operation via 5 push buttons. 20x2 LCD display, clear menu driven operator interface and error messages. Multilanguage support.

M12 Connectors

Product sensors, label sensor, low label warning, alarm lamp, HMI, PLC interface.

USB

For interfacing with a PC, Laptop or tablet. Advanced operation, configuration, diagnosis and firmware upgrade.

Ethernet and WiFi

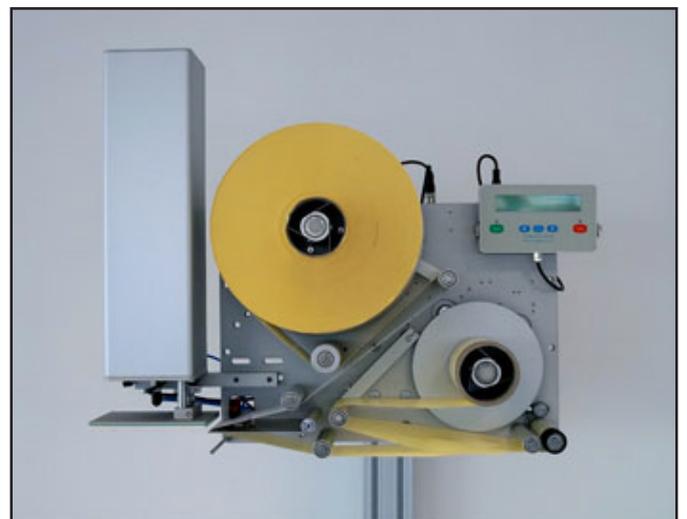
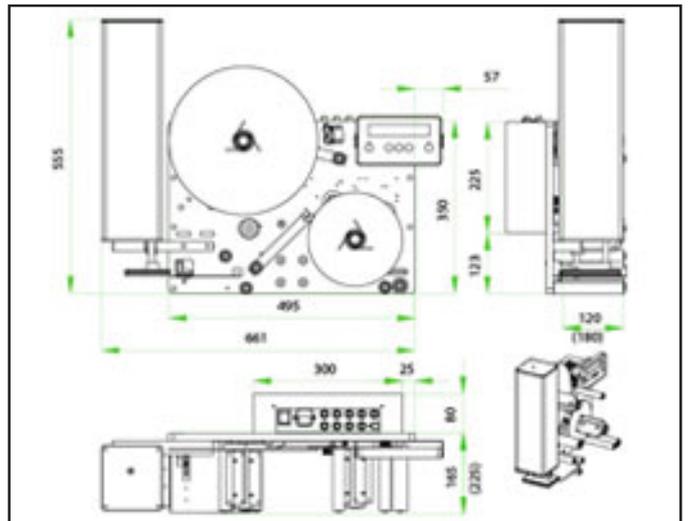
Ethernet and WiFi connectivity for remote control through an easy-setup connection box.

Power supply

90 - 264 VAC, 50 - 440 Hz, 120 W max

Key features

- Cost-effective, high-performance linear applicator.
- 250 mm and 500 mm linear stroke versions
- Compact solution
- Intrinsically safe for the operator
- Up to 90 labels per minute.
- Multi-language support, including Cyrillic and Eastern Europe special characters.
- USB interface, Ethernet and WiFi connectivity.
- Easy remote operation, diagnosis and configuration via a dedicated cross-platform software.
- Tandem option for no down time operations.



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Swing-arm units

Overview

A wide range of Swing-arm units has been designed to fit the most of the application cases. Using a Festo rotating cylinder, Swing-arm units are the ideal solution to apply labels on the front side of the package. Most common usages includes corner-wrap applications and the dispensing of the label on the sides of non-stopping package. Swing arm units are available in two different geometries: longitudinal and transversal. These two configurations helps to fit the machine on the conveyor line even in tight spaces, allowing to place the label rolls in an easy-to-access position for a quick reload. All the Swing-arm units comes with a quick-exchange application plate to hold different label sizes on the same machine.

Dimensions

710x555x245 (frontal, 180 mm radius , 120 mm paper width)

780x555x245 (frontal, 250 mm radius, 120 mm paper width)

930x555x245 (frontal, 400 mm radius, 120 mm paper width)

more geometries available on request

Weight

minimum 27 Kg

Labelling rate

Up to 30 labels/minute

Label size

minimum 19x19 mm

maximum 160x120 mm

Label stock

300mm diameter, 76mm (3") core

Display controller

Robust HMI, aluminum machined. Operation via 5 push buttons. 20x2 LCD display, clear menu driven operator interface and error messages. Multilanguage support.

M12 Connectors

Product sensors, label sensor, low label warning, alarm lamp, HMI, PLC interface.

USB

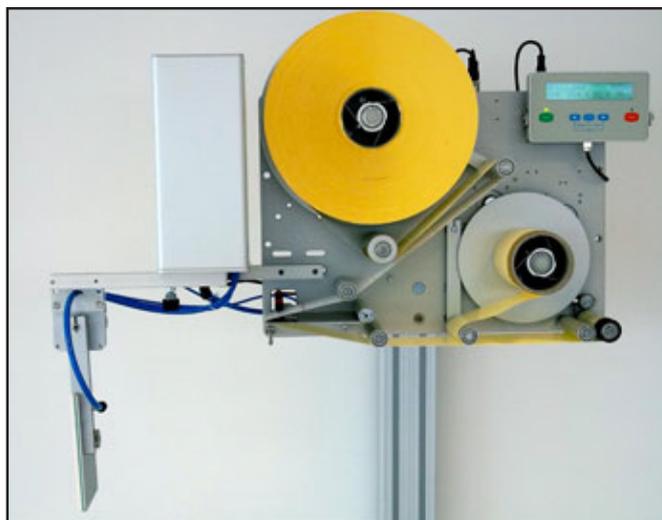
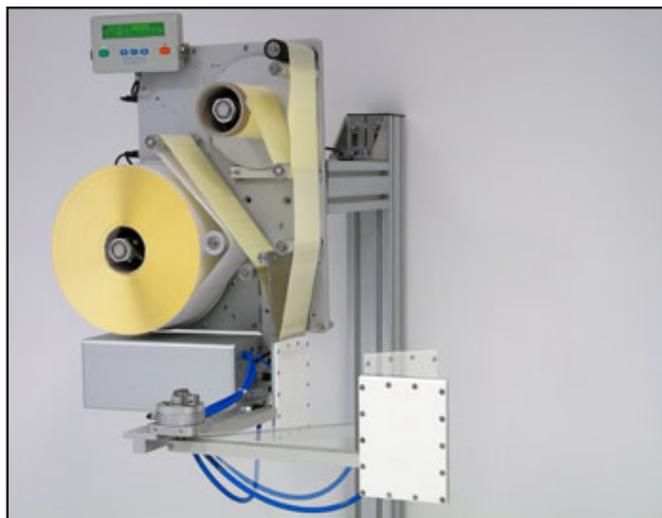
For interfacing with a PC, Laptop or tablet. Advanced operation, configuration, diagnosis and firmware upgrade.

Ethernet and WiFi

Ethernet and WiFi connectivity for remote control throught an easy-setup connection box.

Key features

- Cost-effective swing-arm (90° / 180°) applicator.
- Different geometries grant flexibility
- Compact solution
- Intrinsically safe for the operator
- Up to 30 labels per minute.
- Multi-language support, including Cyrillic and Eastern Europe special characters.
- USB interface, Ethernet and WiFi connectivity.
- Easy remote operation, diagnosis and configuration via a dedicated cross-platform software.
- Tandem option for no down time operations.



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