

AB4050



Direct blow applicator for print engine



The AB4050 expands the well known AP4050 serie adding to the modules portfolio a reliable, fast, easy to use and cost effective direct-blow applicator.

Thanks to the optimized pneumatics and the advanced firmware, the AB4050 direct blow applicator has an application rate up to 180 labels per minute, depending on the used printer and the label size.

The AB4050 blow pad recalls the one of the AP4050 but has been upgraded with a double air chamber to make the label blowing more effective and precise.

The quick exchange blow-pad feature allows changing label format in seconds, with a simple operation and without further regulation.

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). An increased label stock roll is available as an option (up to 400 mm diameter).

The AB4050 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.

The operator interface can be really minimal: a pre-configured machine can be routinely operated with just **one push-button** to start/stop operation 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.

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.

An optional Ethernet/WiFi adapter allows to control and perform update and diagnostics even remotely through the internet.

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, for which is used a standard type-B connector.

Learn more:

www.phoenixitalia.it/AB4050

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Technical specifications

Dimensions

946 x 299 x 645 mm

Weight

20 Kg (approx, not including the printer)

Label Size

up to 120x90 mm

Quick exchange blow pad

Allows quick change of label format without further regulations

Label Roll

maximum 300mm on 76mm (3") core
optional up to 400mm on 76mm (3") core

Application Rate

limited only by the selected printer

Application Accuracy

+/- 1 mm

Display controller

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

M12 Connectors

Product sensors, low label warning, alarm lamp, HMI.

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.

Key features

- Simple and cost-effective system with modular HMI (Display, Start/Stop button, Remote control via PC).
- Speed limited only by printer and support.
- 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.
- Low maintenance required due to simple construction.

