

# AP4010



## Label applicator for Zebra ZT410 desktop printer



### Overview

The AP4010, an evolution of the well-known AP4000, is a label applicator designed to work with the Zebra ZT410 desktop printer, allowing automatic tamp-blow or tamp-on application of the last printed label on still or moving objects.

The application tamp is driven by a small diameter cylinder, so the force is limited and cannot cause dangers to the operators. It has been designed to satisfy a wide range of needs, but it fits better in low to medium speed applications, where labels need to be applied on boxes or pallets at the end of the production line.

Both tamp-blow and tamp-on are suitable for applying labels at various attitudes, including top, side or bottom.

The 300 mm diameter label roll assure good autonomy while the constant tension of the label web is granted by a stepping motor driven, microprocessor controlled rewinder.

The applicator is controlled by a second microprocessors, that takes care of the synchronization and alarm signals too, allowing easy integration into complex industrial automation systems.

In the typical operating cycle, the applicator waits for a trigger signal (the object breaking the photocell beam or an external signal) to print the label, which is kept flat on the application plate by the air-assist nozzles. Once the label has been completely dispensed, it is locked on the plate by vacuum suction while the piston extends to the application position, then the air-blast applies the label on the object's surface and the piston retracts to the initial position, ready for a new cycle.

Application distance may vary between 0 and 50 mm, depending on label size and precision required (typically better than +/- 1 mm).

Maximum application speed may vary (depending on applicator and printer configuration, cylinder length, label size, etc.) typically between 15 and 40 labels per minute.

Learn more:

[www.phoenixitalia.it/AP4010](http://www.phoenixitalia.it/AP4010)

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## Technical specifications

### Dimensions

710 x 610 x 270mm (250 mm version)

### Weight

Approx. 20Kg, not including the printer

### Stroke length

250 mm, 500 mm

### Label Size

maximum 120x160mm

### Label Roll

300mm on 76mm (3") core

### Application Rate

up to 40 labels/min

### Application Accuracy

+/- 1 mm on not moving product

### HMI

5 Diagnosis LED, Start button, DIP switch for operating mode selection and 2 trimmers for timing adjustment.

### Interface

DB25 connector

### Power supply

Directly from the ZT410 desktop printer

### Air supply

6 bar, according to ISO8573-1

### Key features

- Cost-effective Printe&Apply label applicator.
- Accomodates ZEBRA ZT410 desktop printer.
- 300 mm label stock
- Application on moving or stopped products
- Up to 60 labels/min
- Wide range of accessories, including variable stroke KIT and polycarbonate counterflanges.



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