Series 500
Model: SI-500

Low Cost Compact
Print Apply System
Easy to Integrate
Easy to Operate!

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Low Cost Compact Print Apply System – Easy to Integrate and Easy to Operate!

The compact and low-cost SI-500 label print and apply system designed for automated print and apply processes in production lines. It can also be used in semi-automatic mode, the system application is Tamp Blow

The printer used is a Zebra of the ZT411 series

The printer works with many programming languages such as ZPL, DPL, IPL, and TPL without having to change any settings. Printer Errors are easily diagnosed with the messaging system on the printer panel, the user can view a video on the printer display, showing how the error can be corrected. The labeler prints small labels up to labels in DIN A6 format and bigger

Application rates up to 15 labels per minute with a label format of 80 x 60 mm can be achieved without any problems.

The robust system offers maximum performance with a small compact footprint with a highly efficient low energy tamp blow applicator for contactless labelling.

The variable stroke provides for automatic labelling of products of varying heights. The system permanently ensures that the labels are in the correct position before being blown onto the product.

The SI-500 is a compact reliable work horse, its robust applicator with SMC pneumatics and Cylinder guide system provides a durable composite design and guarantees labelling accuracy during the print apply process. In order to reduce reel change times, the labeler comes out ahead of alternatives in the market: It handles larger label rolls – with an outer diameter of 218 mm

The print ribbon length of 600 m ensures that the labeler can perform continuous label printing over longer periods of time. the modular design and ease of access to the printer mechanism.

Technical data

Printing technique	: Thermal transfer or direct thermal
Printing resolution	: 203, 300 & 606 dpi
Printing speed	: Up to 200 mm per second with 300 dpi
Dispensing power	: Up to 15 labels per minute; the dispensing power depends on the label size, label change, and stroke
Dispensing applicators	: Swing type 90 degree
Tamp sizes	: 120 x 160 mm Optionally smaller sizes available
Label size	: minimum: 40 x 30 mm maximum: 120 x 160 mm
Label clearance	: Minimum 20 mm
Label roll	: Maximum roll diameter 218 mm, up to 200 linear meters of label web, roll core 76.2 mm (3 inches), outside winding
Data interfaces	: 1 x LAN, Bluetooth, 2 x USB (TYPE A), 1 x IEEE1284, optionally: W-LAN 1 x USB (type B),

Programming languages: ZBPL (Zebra)

Control interfaces	: Potential-free outputs (relays), opt coupler inputs, SUB-D connection for photoelectric cell and customer signals
Position accuracy	: Standard up to ± 2.0 mm of the labels applied
Print application	: activation Reflex sensor, photoelectric barrier, inductive or capacitive sensor, micro switches, potential-free contacts (PLC)
Alarm system	: Standard: LED error message, potential-free contacts (e.g. for connection of a PLC)
Compressed air connection	: 6 bar, the compressed air must be clean, dry, and free of oil (DIN ISO 8573-1)
Compressed air consumption	: 2.2 l per dispensing cycle* with 6 bar (for most applications)
Weight	: From 33 kg, depending on the design
Electrical connection	: 90 to 263 VAC, 50/60 Hz, 5 Amperes
Ambient conditions	: Operating temperature: 10 °C to 35 °C, 15 % to 95 % relative air humidity, non-condensing
Options	: Bartender, Nice label printing software, start-up kits with consumable material and adapted tamps, U-arm suspension fixture for flexible mounting, stand in different designs (fixed, spindle adjustable, mobile)

Dimensions

588.50
390.00
335.00
615.00
1114.91

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