



Series 400

Model : SI-400

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-400 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 consists of 4 application modes: Tamp blow, Blow on, Variable stroke & Inverted Tamp Blow.

The printer used is a SATO of the CLNX 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 labeller prints small labels up to labels in DIN A6 format and bigger.

Application rates up to 25 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-400 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 labeller 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 mtrs ensures that the labeller 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	Control interfaces	: Potential-free outputs (relays), optocoupler inputs, SUB-D connection for photoelectric cell and customer signals
Printing resolution	: 203 , 305 & 609 dpi	Position accuracy	: Standard up to ± 1.0 mm of the labels applied
Printing speed	: Up to 200 mm per second with 300 dpi	Print application	: activation Reflex sensor, photoelectric barrier, inductive or capacitive sensor, microswitches, potential-free contacts (PLC)
Dispensing power	: Up to 30 labels per minute; the dispensing power depends on the label size, label change, and stroke	Alarm system	: Standard: LED error message, potential-free contacts (e.g. for connection of a PLC)
Dispensing applicators	: Linear stroke 170 mm	Compressed air connection	: 6 bar, the compressed air must be clean, dry, and free of oil (DIN ISO 8573-1)
Tamp sizes	: 120 x 160 mm Optionally smaller sizes available	Compressed air consumption	: 2.2 l per dispensing cycle* with 6 bar (for most applications)
Label size	: minimum: 40 x 30 mm maximum: 120 x 160 mm	Weight	: From 33 kg, depending on the design
Label clearance	: Minimum 3 mm	Electrical connection	: 90 to 263 VAC, 50/60 Hz, 5 Amperes
Label roll	: Maximum roll diameter 218 mm, up to 200 linear meters of label web, roll core 76.2 mm (3 inches), outside winding	Ambient conditions	: Operating temperature: 10 °C to 35 °C, 15 % to 95 % relative air humidity, non-condensing
Data interfaces	: 1 x LAN, Bluetooth, 2 x USB (TYPE A), 1 x IEEE1284, optionally: W-LAN 1 x USB (type B),	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, spindleadjustable, mobile)
Programming languages	: SBPL (Sato) SDPL (Datamax emulation) SZPL (Zebra emulation) SIPL (Intermec emulation) STPL (Toshiba-TEC emulation)		

Dimensions

