



Collamat[®] S 300

Labelling Your Product - Our Competence.

Swiss Modular Labellers 

Collamat[®]

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The high speed labeller Collamat® S 300 is designed to apply labels on products with speed up to 300 m/min. That makes this labeller predestined for the paper industry, graphic printing lines, direct mailing, etc. When speed and precision are needed - Collamat® S 300 is the solution.

Collamat® S 300 is easy to handle - the setup times are very short because of the intuitive menu guide at the control panel and the possibility to store up to 99 programmes. The powerful micro-step motor drive allows for high precision labelling quality. The high resolution encoder guarantees the best possible labelling accuracy.

The High Speed Labeller Collamat® S 300 can work in several operational modes: It can work in MONO mode for easy tasks, in NON-STOP mode, where two labellers are installed and connected together and, the automatic change-over (in case of label reel end, liner break, error, etc.) from one labeller to the other, guarantees that all products are labelled. The TANDEM mode is also realized with two labellers which alternate the labels on the product to increase productivity.



FEATURES

- **Space saving and flexibility** – The complete electronics and the motorised re-winder are integrated in the body of the traction unit. The compact size of the labeller makes the integration in a production line very easy. The modular design allows integration (also at a later point) of external devices like printers, scanners, black mark readers, etc.
- **High Quality** – The wear is reduced to a minimum. The stepper motor drive and the motorised re-winder need little maintenance. All bodies are made of die casted Aluminium for maximal stability and to avoid electromagnetic disturbances.
- **Dual core processor** – The fast processor makes the exact calculation of all parameters, for each label, in real time.
- **Adjustable ramps** – All ramp parameters of the motor are adjustable in order to adapt the acceleration to the different label qualities. The programmable ramps and the special label applicator reduce the risk of liner break to an absolute minimum.
- **Self-teach label scanner** – The optical label scanner has a self-teaching function and adapts itself continuously to the environmental light, label transparency variations, etc.
- **Swiss Quality** – Collamat® S 300 ensures constant labelling quality for years.

TECHNICAL DATA

Operational speed	0 – 300 m/min (0 – 1000 ft/min)
Productivity	60'000 labels/hour (or 120'000 labels/hour in Tandem mode) depending on the label length
Label width	25 – 95 mm (1 - 3 ¾ in.)
Label length	25 – 100 mm (1 - 4 in.)
Labelling accuracy	+/- 1.5 mm (1/16 in.) at 150 m/min (500 ft/min) depending on the label specification
Label reel	Max. outer diameter: 350 mm (13 ¾ in.) or 400 mm (15 ¾ in.) Core diameter: 75 mm (3 in.)
Connectivity	Outputs: Signals for printers, PLC (run / warning / error), Lamps (red / orange / green), Non-Stop / Tandem mode (with 2 labellers), etc. Inputs: Product scanner (black mark reader), High definition encoder, Start / stop (enable / disable), Label low detection, Ethernet
Settings	Adjustable via keyboard and display (Control panel)
Operation modes	Mono / Tandem (with 2 labellers) / Non Stop (with 2 labellers)
Drive	2-phases, micro steps, stepper motor
Control	Dual core microprocessor
Power requirements	115 / 230 V; 60 / 50 Hz; 460 VA each labeller 6 bar air pressure
Applicator	High Speed applicator with spring loaded pinch roller, including optical label scanner with self-teaching function
Version	Right or Left
Options	Mechanical label scanner for transparent labels Splicer / external un-winder Suction unit for waste liner
Approbation	CE

All data are indicative and may be subject to alteration

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