Collamat® S 300
Labelling Your Product - Our Competence.
Collamat® S 300

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.)
- **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
- **Air pressure** 6 bar
- **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
- **Suction unit for waste liner**
- **Approbation** CE

All data are indicative and may be subject to alteration.