

www.martekindustries.co.uk



S-Series

High-performance label applicators

Collamat[®]

MARTEK
Industries

” Quality and precision
- the Collamat® tradition followed
through the decades and we care
every day by doing our best

Collamat®

Professional labelling solutions. Quality and reliability.

Collamat® is focused on providing labelling solutions with simple constructions, easy handling and professional design.

Quality means reliability.

Collamat® has been producing labelling machines since 1958. We have sold over 80,000 machines and solutions in over 40 different countries. This was made possible by putting quality first and because total reliability is what our customers want from our machines and solutions.

Close to the customer, close to the market.

We want to be close to our customers and the market. Close to the customer to ensure we provide the quality and service they expect. Close to the market to keep up to date with the new requirements and expectations.

A cohesive value chain means reliable delivery.

By bringing R&D, production, service and sales under one roof in Switzerland, we have control over the entire value chain. What that means for our customers is that we can guarantee quality, delivery on time and the level of service expected.

Sales throughout the world.

We have successfully been represented on the world market since 1960. This has been possible because we listen, and use the inspiration and know-how a worldwide network can give to develop our products and organisation.

Collamat® S 50



Collamat®

FEATURES

- **Space-saving and Flexibility** – The complete electronics is integrated in the body of the traction unit. The compact size of the labeler makes its integration into production lines very easy.
- **Modularity** - The modular design allows integration (also at a later point) of external devices like printers, scanners, black mark readers, etc.
- **Reliability** – With 80 % more labels on a 400 mm label roll compared to a 300 mm roll and the advanced “end of label” warning system, Collamat® S 50 needs less operator attention. Thanks to the very light and stable housing of cast aluminum, optimized by finite element method, the unwinder of Collamat® S 50 can cope with roll diameters of 400 mm with label width up to 250 mm and weight up to 35 Kg.
- **Easy operation** – Place the roll, thread the web and start labelling! No additional adjustments necessary!
- **Self-teaching label scanner** – The optical label scanner has a self-teaching function and continuously readjusts its settings to the environmental light, label transparency variations, etc. With the height and position adjustment of the scanner, thick labels like Piggyback, Pocket labels, etc., can also be used.
- **Secure production** – Saving up to 99 different labelling programs. Password level protection.

TECHNICAL DATA

Operational speed	3 – 50 m/min (9.8 – 164 ft / min)
Operational width	100 mm (4") - 250 mm (9 7/8")
Labelling accuracy	± 0.5 mm (0.02")
Min. label length	10 mm (0.4")
Max. label reel diameter	410 mm (16") or 350 mm (13 3/4")
Connectivity	Outputs: Signals for printer and error Inputs: Incremental encoder, goods scanner, end of label detection, etc
Settings	By control panel
Drive	2-phase stepper motor
Control	Microprocessor
Voltage	115 / 230 V; 60 / 50 Hz; 138 VA
Feed button	For manual label dispensing, i.e. threading the label web.
Applicators	Spring loaded flap or fixed applicator
Version	Right or left
Options	Side labeling kit, extended peel plate, pressure brushes, label end detection, etc.
Approbation	CE

All data are indicative and may be subject to alteration

Collamat® S 100



Collamat®

FEATURES

- **Space-saving and Flexibility** – The complete electronics is integrated in the body of the traction unit. The compact size of the labeler makes its integration into production lines very easy.
- **Modularity** - The modular design allows integration (also at a later point) of external devices like printers, scanners, black mark readers, etc.
- **Reliability** – With 80 % more labels on a 400 mm label roll compared to a 300 mm roll and the advanced “end of label” warning system, Collamat® S 100 needs less operator attention. Thanks to the very light and stable housing of cast aluminum, optimized by finite element method, the unwinder of Collamat® S 100 can cope with roll diameters of 400 mm with label width up to 250 mm and weight up to 35 Kg.
- **Easy operation** – Place the roll, thread the web and start labelling! No additional adjustments necessary!
- **Self-teaching label scanner** – The optical label scanner has a self-teaching function and continuously readjusts its settings to the environmental light, label transparency variations, etc. With the height and position adjustment of the scanner, thick labels like Piggyback, Pocket labels, etc., can also be used.
- **Secure production** – Saving up to 99 different labelling programs. Password level protection.

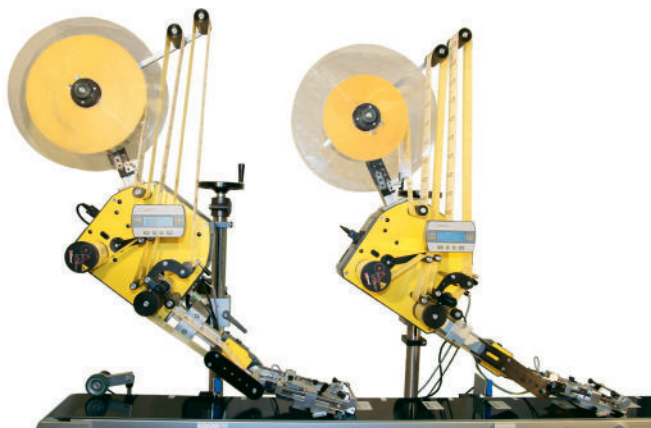
TECHNICAL DATA

Operational speed	3 – 100 m/min (9.8 – 328 ft / min)
Operational width	100 mm (4") - 250 mm (9 7/8")
Labelling accuracy	± 0.5 mm (0.02")
Min. label length	10 mm (0.4")
Max. label reel diameter	410 mm (16") or 350 mm (13 ¾")
Connectivity	Outputs: Signals for printer and error Inputs: Incremental encoder, goods scanner, end of label detection, etc
Settings	By control panel
Drive	2-phase stepper motor
Control	Microprocessor
Voltage	115 / 230 V; 60 / 50 Hz; 138 VA
Feed button	For manual label dispensing, i.e. threading the label web.
Applicators	Spring loaded flap or fixed applicator
Version	Right or left
Options	Side labeling kit, extended peel plate, pressure brushes, label end detection, etc.
Approbation	CE

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Swiss Modular Labellers 

Collamat® S 300



Collamat®

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

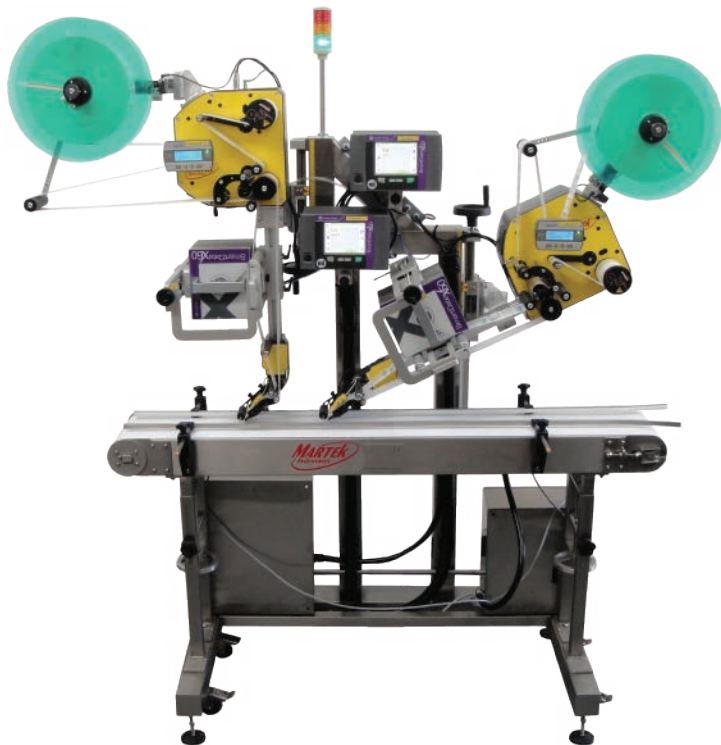
Self-teach label scanner – The optical label scanner has a self-teaching function and adapts itself continuously to the environmental light, label transparency variations, etc

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")
Label length	25 – 100 mm (1 - 4")
Labelling accuracy	+/- 1.5 mm (1/16") at 150 m/min (500 ft/min) depending on the label specification
Label reel	Max. outer diameter: 350 mm (13 ¾") or 400 mm (15 ¾") Core diameter: 75 mm (3")
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



S-Series Systems

S-Series applicators can be supplied with stands or bracketry to run on existing machinery or with integrated conveyors as part of an inline labelling solution. Inline systems are custom-designed to suit each application using a range of conveyor technologies and positioning systems.

The modular design of S-Series applicators enables a choice of print modules to be added to enable print-and-apply operation. Print options include thermal transfer overprinters, inkjet coders and thermal transfer print engines.



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