ALS Advanced Labelling Systems Limited
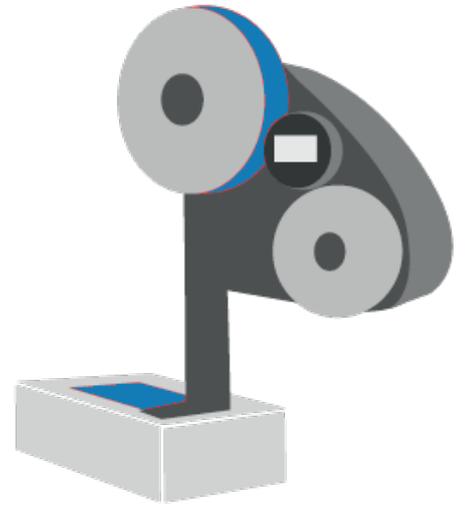
NOVEXX SOLUTIONS

YOUR PRODUCT IDENTIFICATION EXPERTS

ALS 300

Performance Class
LABEL APPLICATORS

Power & Precision, 24/7

- High speed
- Extremely accurate
- Continuous operation

Two labellers with some *unique* concepts…

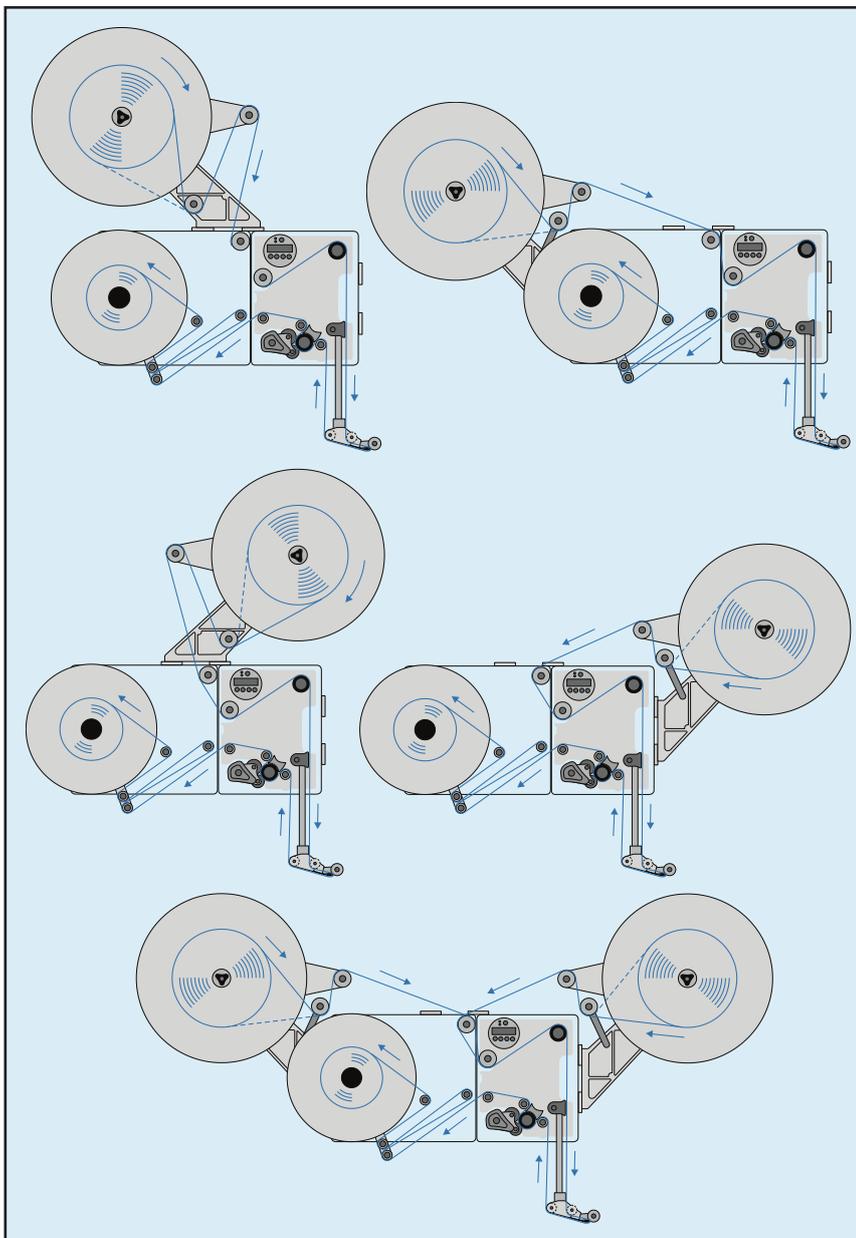## Modular, Flexible High-Speed Performers

The ALS 306 & ALS 309 are the first of a truly unique range of modular label applicators. Their modular and robust concept allows high-speed, wide labels and flexible integration – which makes them ideally suited for highly demanding industrial applications.

The Perfect Fit

When you acquire a new labelling machine, you want to make sure it fits in perfectly with your existing production line. This is exactly what the ALS 306 & 309 are designed to do. The label unwind unit can be mounted in any number of positions around the main machine body. Top, left-side, right-side – wherever you need. Also, the machine can be integrated horizontally or vertically. Then, if you like, add a second label unwind unit, so that a new label roll is already there, ready to use when the other one is empty.

Boost Your Run-Time

There's another great aspect about the modular concept. What do you usually do when it comes to maintenance? You remove the back part of the body cover. With the ALS 306 & 309, the apply unit module and the powered rewind module can easily be pulled out, allowing front access also. So you're much more flexible in your maintenance. Which means more up-time for the production line. Of course, you're still free to remove the back part if you want to!

Above: Some of the configurations possible, available in left & right hand versions.

Easy Maintenance

Undo 5 screws and pull…

Out comes the apply unit

Same for the rewind unit

... offering
new possibilities

The ALS 306 & ALS 309 labelling machines offer extensive benefits and present new possibilities to industrial manufacturers and system integrators.

Solid Performance

The ALS 306 can manage appplication speeds of up to 60 metres per minute – or, in other words, up to 1,000 labels per minute. High accuracy is assured, even at high speed - by the push-pull system that keeps the web tension constant, an essential pre-requisite for highly demanding product lines that run 24/7.

Automatic Product Speed Following (APSF)

Useful for conveyor belts with variable speeds: The optional APSF module calculates the product speed and changes the dispensing speed on-the-fly, ensuring the ALS 306 & 309 always keep up with the pace!

Flexible Intelligence

The ALS 306 & 309 are smart machines. They have an internal early warning system that informs the operator when to supply new labels, *before* they run out. They also deliver maintenance information, for example when a new dust filter is needed. Additionally, the firmware for the CPU board is upgradeable. This means new features can be added to extend the functionality and meet your labelling requirements as they change.

High Connectivity

The machines offer all common connectivity options: ethernet, serial port, USB, CF (Compact Flash) – and that's all as standard!

User-Friendly

All parameters can be edited using the built-in control panel, stored and recalled. Set it up once – and go. An additional remote control display is available to enable even more user-friendly access. You can then easily edit all parameters from a distance or from either side of the line.

ALS 306 & 309 will fit into most lines

Your Benefits:

- Flexible integration
- More up-time
- Higher speed
- Robust and reliable
- Highest accuracy
- Easy connectivity
- Comfortable maintenance
- Excellent price-performance ratio
- Upgradeability is built-in

Think wide - and wider!

Do you frequently need to apply very large labels? No problem: The ALS 306 can easily handle 6" labels. And if you think in even bigger dimensions, then the ALS 309 is the model for you, with capacity for up to 9" wide labels! Because of the modular concept, it would be very simple to upgrade an ALS 306 to become an ALS 309 by changing the apply and rewind modules - thus future-proofing your initial investment.

ALS 30x SPECIFICATIONS

The ALS 306 & 309 labelling machines are reliable, easy to use, fast and extremely accurate, to meet the demands of modern production lines; for high-speeds, zero faults, safety and flexibility.

They both use three industrial heavy-duty motor drives in a synchronised 'push-pull' arrangement, enabling constant web tension, so that all types of label materials can be handled with accuracy, at high line speeds. The powered unwind holds a large 400mm diameter roll and it can be placed in any of four possible positions to assist integrating on production lines. Two label roll holders can be installed on the same machine enabling the task to be faster still. The ALS 306 & 309 are uniquely upgradeable labellers, consisting of two easily removable modules: one for label dispensing and the other for rewinding. By undoing five screws, each module lifts straight out without needing to disconnect any wires or clips. This protects your investment should you need to upgrade to a wider, faster module later on - or add a thermal transfer print engine to convert it into a print & apply machine. Standard features include; Automatic Product Speed Following, web-break detection and tandem operation with a second machine for non-stop operation.

Dispensing Speed:	Maximum:	ALS 306: 60m/min ALS 309: 45m/min
Labels:	Maximum material width: Material: Winding direction: Label roll diameter: Core diameter: Label length: Label stop accuracy:	ALS 306: 160mm ALS 309: 233mm Die cut, self-adhesive labels with backing liner Inside or outside winding accepted 400mm 38.1mm (1.5") or 76.2mm (3") 10 to 600mm at continuous speed: ±0.5 mm at variable speed: ±1.0 mm
Electronics:	Processor: Card-slot: Remote display: Interfaces: Remote display connection:	32-Bit CPU MIPS-Core, 16 MB ROM Slot for compact flash (CF) card Graphical backlit display with 128x32 dots, 2/4 lines, 5 push buttons RS-232, Ethernet, USB, I/O Interface, Applicator Interface, PLC Interface RS-485 (Mini DIN 6)
Sensor interfaces for external sensors: (4-Pin M12 plugs)	Label sensor: Alternative label sensor: Product sensor: APSF (rotary encoder): OD label roll sensor:	Optical, NPN, 24V, adjustable PNP/NPN, 24V PNP/NPN, 24V Single-phase/two-phase, PNP/P-P, 24V PNP, 24V
Dimensions:	w x h x d (without unwinder):	ALS 306: 726mm x 389mm x 386mm ALS 309: 726mm x 389mm x 470mm
Environment:	Weight: System voltage: Power consumption: Operating temperature: Humidity: Qualifications:	ALS 306: 55kg ALS 309: 56kg 100-240 V Max. 510 VA 5 to 40°C 30 to 85% (not condensing) CE,TÜV/GS,FCC,CCC,GOST,NRTL,US/CA

Specifications are subject to change without prior notice.

NOVEXX SOLUTIONS

Authorised Distributor:

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