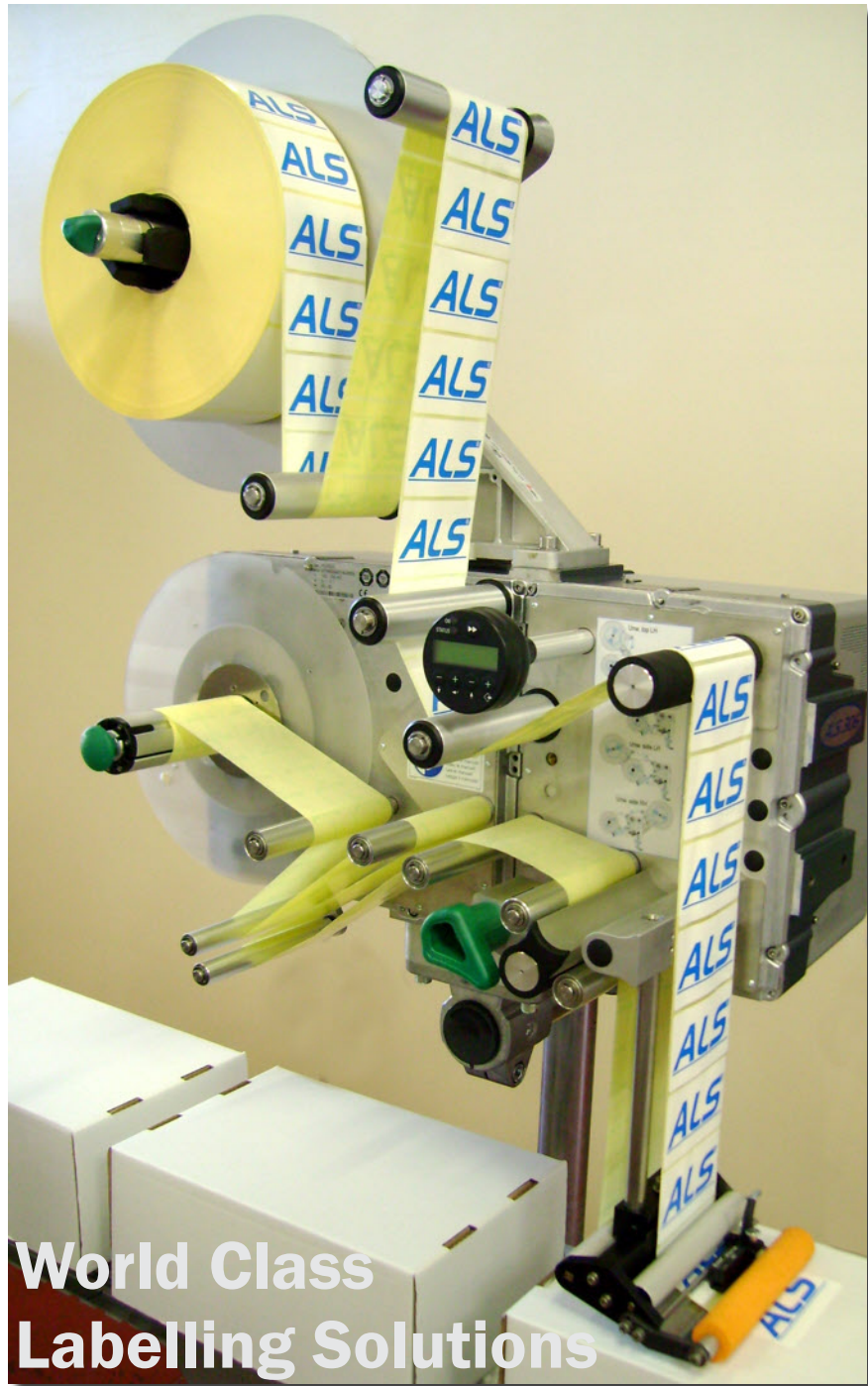


PERFORMANCE CLASSES

ALS[®]

ALS 309

Label Applicator



World Class
Labelling Solutions

www.als-eu.com

Technical Specifications

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

The industrial ALS 309 uses three 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 speeds of up to 45 metres per minute. 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 309 is a uniquely upgradeable labeller 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:	up to 45 m/min	
Labels:	Material:	self-adhesive label with liner
	Winding direction:	inside/outside winding possible
	Label roll diameter:	400 mm
	Backing paper roll diameter:	270 mm
	Core diameter:	38.1 mm / 76.2 mm / 101.6 mm
	Material width:	10 to 233 mm, including backing
	Label length:	10 to 600 mm
	Label stop accuracy:	at variable speed: $\lt; \pm 1 \text{ mm}$ at continuous speed: $\lt; \pm 0,5 \text{ mm}$
Electronics:	Processor:	32-Bit CPU MIPS-Core, 16 MB ROM
	Card-Slot:	slot for compact flash (CF) card
	Remote Display:	graphical display with 128x32 Dots, 2/4 lines, 5 buttons
	Interfaces:	RS-232, Ethernet, USB, I/O Interface, Applicator Interface, PLC Interface
	Remote Display connection:	RS-485 (Mini DIN 6)
Sensor interfaces for external sensors: (4-Pin M12 plugs)	Label sensor:	optical, NPN, 24 V, adjustable
	Alternative label sensor:	PNP/NPN, 24 V
	Product sensor:	PNP/NPN, 24 V
	APSF (rotary encoder):	single-phase/two-phase, PNP/P-P, 24 V
	OD label roll sensor:	PNP, 24 V
Dimensions:	w x h x d (without unwinder):	726 x 389 x 470 mm
Environment:	Weight:	56 kg
	System voltage:	100-240 V
	Power consumption:	max. 510 VA
	Operating temperature:	5 to 40°C
	Humidity:	30 to 85% (not condensing)
	Qualifications:	CE,TÜV/GS,FCC,CCC,GOST,NRTL,US/CA
Options	Several applicator modules, remote display, L-shaped dispensing edges: fixed, swivelling, pneumatic or spring-loaded, tandem function, applicator Interface board, 2nd 400 mm unwinder module, internal or external OD label roll sensor.	

ALS is a leading European supplier and manufacturer of high-quality, competitively priced labelling systems, consumables and accessories. In addition to the ALS 309, the company offers a comprehensive range of label applicators, print & apply systems and thermal transfer printers, to meet labelling requirements across an extensive range of industries and applications.

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