

ALS

Advanced Labelling
Systems Limited

ALS 104 and XLS 200 Series LABEL APPLICATORS



VERSATILE, RELIABLE & EASY TO USE

- Extremely robust & compact
- Excellent labelling performance & labelling accuracy
- Easy to integrate on-line with various mounting options
- Comes with a 2-year warranty

COMPACT CLASSES

INDUSTRIAL LABELLERS

Compact Class

ALS 104 Entry-level, Robust, Low-cost

XLS 200 Performance X Versatility

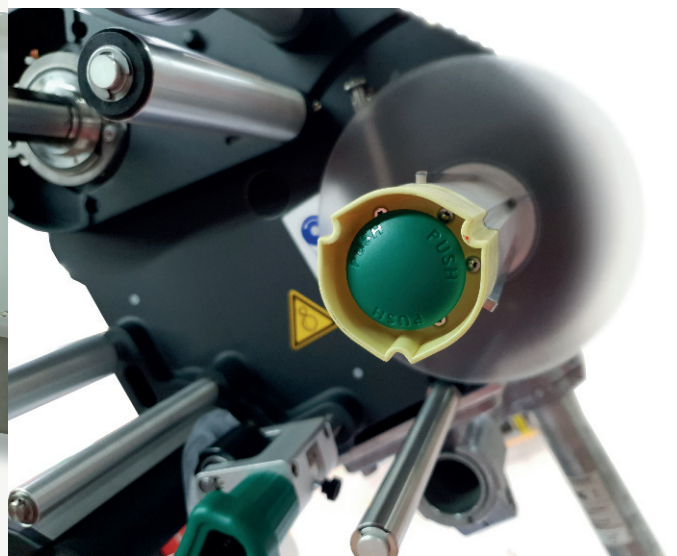
Reliable, Accurate, Compact: The ALS 104 is our entry-level labelling unit, with features not even found on some other more expensive labellers!

- ✓ Top quality for standard applications
- ✓ Excellent price-performance ratio
- ✓ Various application edges
- ✓ Application speed of up to 30 m/min
- ✓ Automatic continuous adjustment to actual production line speed with APSF function
- ✓ Auto-compensation for missing labels on web
- ✓ Braked label unwind for constant web tension gives constant accuracy at the dispense edge
- ✓ 3 mounting positions for easy integration on line

The High-Performance XLS 200 Series

In addition to the strong features of the ALS 104, these applicators offer even more benefits:

- ✓ High-torque motors for demanding applications
- ✓ Application speeds of up to 70 m/min
- ✓ Label widths up to 233mm
- ✓ Unbeatable flexibility with the various add-on application units available
- ✓ Easy maintenance and quick control with user-friendly central remote control function
- ✓ Zero down-time with 2 units operating in a tandem configuration
- ✓ Larger display panel, with colour backlit screen



In a Class of their own!

ALS 104

XLS 204 / 206 / 209 / 256 / 272

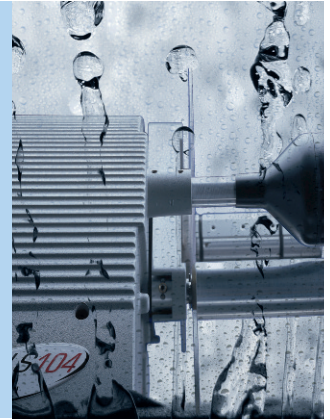
Low Cost, Compact Size, High Build Quality

With a cast-aluminium housing, the ALS Compact Class are an industrial-capable range at an extremely affordable price. They are fast and durable, even with the most demanding requirements in round-the-clock operations.



High Standard of Industrial Protection

Additionally available IP65 kits provide even more protection and guarantee easy cleaning, which is of particular importance in the food industry. The ALS family can therefore also be used in humid or dusty environments.



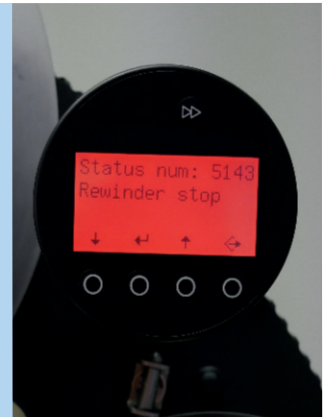
User-Friendly

The 360° rotatable multifunctional display with intuitive menu structure is integrated. The machine can be optionally operated remotely by a cable connection to an additional remote control display.



XLS Colour Display

The XLS 200 series benefit from a larger display that can show more information, along with a backlit colour, to indicate various states: Blue - Online & Running OK
Amber - Warnings (low labels)
Red - Errors or Stopped



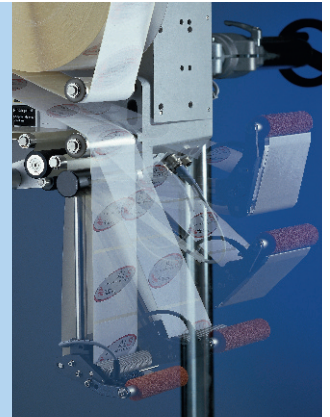
Integration

Easily integrated into various control systems thanks to the easy to access interfaces; SPS interface, CF card, USB and Ethernet connection.



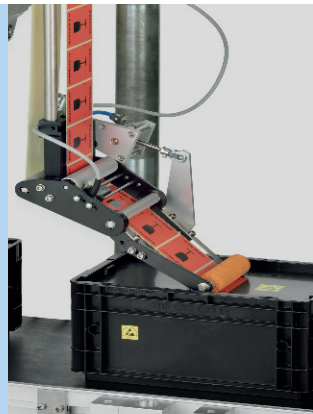
Flexible in Use

The ALS 104 & XLS 200 Series enable top, side & underneath labelling with three different mounting options. The "L"-shaped dispensing edge, which can be rotated by up to 90° and locked in position, ensures even more flexibility.



Multiple Application Methods

Various application devices are available for the XLS 200 Series to suit your specific product labelling requirements, depending on speed, position and orientation. Options include: direct apply/wipe-on, blow-on, tamp-on, tamp-blow and a 90° swing-on tamp.



Easy Handling

The backing paper can be removed without difficulty with the "easy push" mechanism and you can also insert new material just as easily. The material roll can be fixed with ease and is freely accessible at all times.



ALS 104 / XLS 200 SPECIFICATIONS

	ALS 104	XLS 204	XLS 206 / 256	XLS 209	XLS 272
Dispensing Speed up to:	30 m/min	40 m/min	30 m/min / 50 m/min	25 m/min	70 m/min
Label Material:	Self-adhesive/Pressure-Sensitive (PS) labels or EAS/RFID tags and inlays with backing liner, both inside and outside winding is acceptable				
Label Roll - Max Outer Ø	300 mm	300 mm	300 mm	300 mm	300 mm
Label Roll Inside Core Ø	38 mm, 76 mm or 100mm				
Material Width (Incl. backing liner)	10 - 110 mm	10 - 110 mm	10 - 160 mm	50 - 233 mm	10 - 53 mm
Label Length	5 - 600 mm	5 - 600 mm	5 - 600 mm	5 - 600 mm	5 - 600 mm
Label Dispensing Accuracy	+/- 0.5 mm	+/- 0.5 mm	+/- 0.5 mm	+/- 0.5 mm	+/- 0.5 mm
Processor	16-bit DSP RAM 4KB, ROM 64KB	32-bit CPU RAM 128MB, ROM 8MB			
Motor Drives	1 x Stepper Motor	2 x Stepper Motors			
Card Slots	N/A	1 x SD Card*			
Control Panel / Display	128 x 32 dots, mono	128 x 64 dots, backlit colour			
Auto Product Speed Following	YES (requires encoder)	YES (requires encoder)			
Tandem Function	N/A	YES (requires 2 machines)			
Databanks (save/recall settings)	1	16			
Data Interfaces:					
Serial RS232C,(Sub-D9)	Service purposes only	For control communication and service purposes			
Ethernet	N/A	1x 10/100 Base-T (RJ45)			
USB	N/A	1x USB (Host), 1 x USB (Device)			
Remote Display 1x RS422	YES	YES			
Standard Applicator Interface	N/A	To control optional application devices			
SPS/PLC Interfaces:	Output : 3 x PNP, 24V 500mA per channel and 1x isolated relay output	Output : 4 x PNP, 24V, 500mA per channel Total permissible output current : 1500 mA Input : 3 x PNP/NPN, 24V			
External Sensor Interfaces	Opto-isolated Label sensor Alternate sensors Product sensor APSF sensor OD-sensor	4-pin M12 connectors Wenglor optical OPT242-P800(NPN) PNP/NPN, 24V PNP/NPN, 24V Single/bi-phase, PNP, 24V PNP, 24V			
Status Messages/Test Functions:	Dispensing stops, when: • label stock ends or missing label counter is exceeded Test functions : • automatic diagnosis after powering on				
IP-Protection Upgrade Option:	Option IP65	Option IP65	XLS 206 Option IP65 XLS 256 N/A	Option IP65	N/A
Noise:	< 72 dB (A)				
Dimension/Environment:					
Size H x W x D (mm)	492 x 488 x 371	492 x 488 x 371	492 x 488 x 402	492 x 488 x 505	492 x 488 x 352
Weight	33 kg	36 kg	38 kg / 40 kg	41kg	31kg
Mains Voltage / Power	115/230V (AC)	115/230V (AC)	XLS 206: 115/230V (AC) XLS 256: 100/240V (AC)	115/230V (AC)	100/240V (AC)
Operating Environment Qualifications	Operating Temp: 5 - 40°C Humidity: 30 - 85%, non-condensing CE, TÜV/GS, FCC, CCC, GOST, NRTL (US/CA)				

Options:

- L-Shape Dispense Edges (fixed, sprung, pneumatic) ○ V-Shape Dispense Edge
- Label Roll OD Sensor ○ Label Gap Sensors (various)

XLS 200 Applicators:

- LA-TO (Touch-On) ○ LA-SO (90° Swing-On Tamp) ○ LA-BO (Blow-On) ○ LA-WO (Wipe-On)

Since 1997 ALS has become the UK's leading independent supplier & manufacturer of industrial labelling machines, consumables & accessories. The company offers a comprehensive range of print & apply, product handling systems & thermal transfer printers to meet labelling requirements across an extensive range of industries & applications. UK workshop with spares, service & on-site support all from the UK.

All Enquires:

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