

# MULTI-FUNCTIONAL ALS LABELING SYSTEMS

Industrial labeling systems for applying labels to products, boxes, trays and pallets.

## MULTI-FUNCTIONAL INDUSTRIAL LABELING SYSTEMS

ALS Labeling Systems can be configured to fit virtually any industrial labeling challenge. Whether it's applying at high or low application speed, using small or wide labels or working in wet or dry environments, we have the right solution in our reliable, durable ALS 104, 204, 206, 256, 272 and 209 series labeling systems.

## RECOMMENDED LABELING APPLICATIONS

- cartons, trays, cans, canisters, bottles, pallets, barrels and more
- various industries, particularly pharma/medical, food, personal care, chemical, logistics/warehouse, building materials
- decorative, informative and branding labels

## FAST AND FLEXIBLE

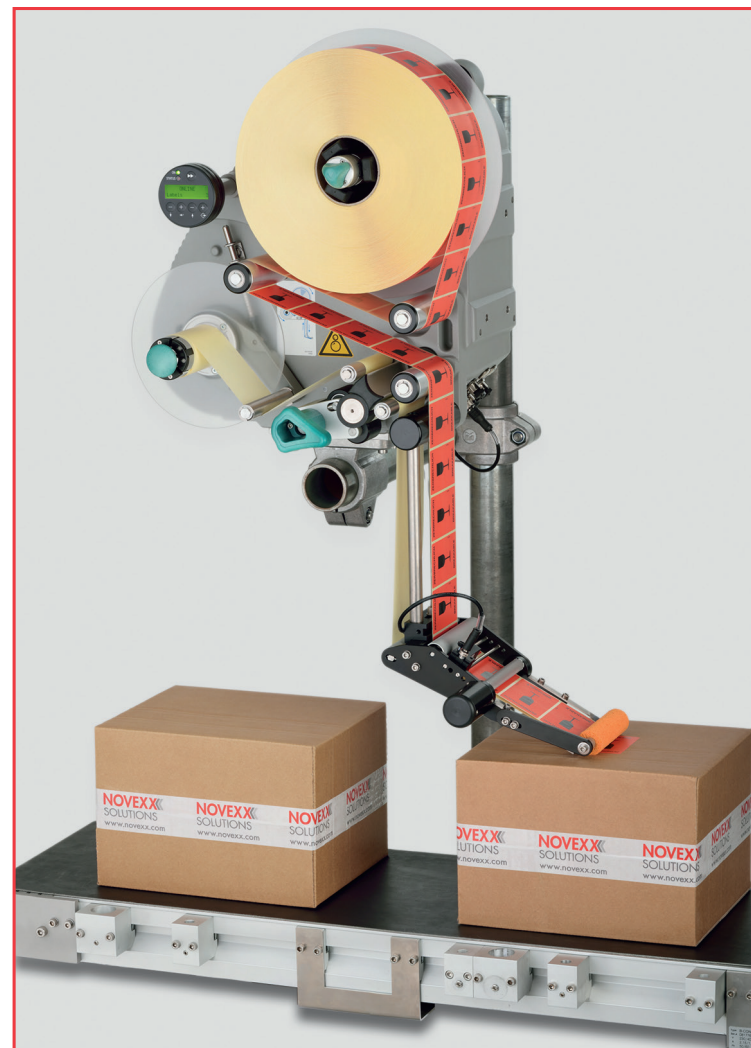
- Combine extreme robustness with high-performance
- Configured for demanding performance in continuous operation, 24 hours a day, 7 days a week
- Modular concept for easy integration into a unit in your existing system in exchange for another
- Features bottom, side and top labeling with three different fixing options
- Dispensing edge can be rotated by up to 90° for even greater flexibility

## OPTIONAL IP-KIT MAKES ALS FAMILY PERFECT FOR MULTIPLE ENVIRONMENTS

IP 65 kits provide protection for the labelers and facilitate easy cleaning, which is particularly important in the food industry. With the addition of the IP65 kit, the ALS family can also be used in humid or dusty environments.

## MORE INFORMATION

To learn more please contact your NOVEXX Solutions representative or visit our website at [www.novexx.com](http://www.novexx.com).



# MULTI-FUNCTIONAL ALS LABELING SYSTEMS

## SPECIFICATIONS - ALS 104 RH/LH

Dispensing speed up to	30 m/min	
	1,000 labels in 3.4 min.*	
Labels	Material	Self-adhesive label with liner; inside/outside winding possible
	Label roll diameter unwinder	up to 300mm
	Backing paper roll diameter rewinder	up to 200mm
	Core diameter label roll	1.5"/3"/4"
	Material width incl. backing paper	10 – 110mm
	Label length	5 - 600mm
Label stop accuracy	At dispensing edge	+/- 0.5mm at fixed speed; +/- 1.0mm at variable speed
Electronics	Control panel	Graphical display, 128 x 32 dots, two lines, five push buttons
Data Interfaces	Serial	1x RS232
	Remote display	1x RS422 (Mini-DIN 6)
PLC Interfaces	Opto-isolated	Sub-D15
	Output	3X PNP, 24V
	Input	none
	Parallel function to PNP-output	optional on 8 pin M12 connector: PNP/NPN, 24V
External sensor interfaces	Opto-isolated	4-pin M12 connectors
	Label sensor	Optical label sensor
	Alternative sensor	PNP/NPN, 24V
	Product sensor/APSF sensor/OD sensor	PNP/NPN, 24V
Status messages	Status messages:	No gap found/missing labels count
Test functions		Automatic diagnosis after powering on
IP-protection	Class	Standard 21, optional IP65
Noise	Max.	< 70 dB [A]
Dimensions/Environment	H x W x D [mm]	492 x 488 x 371
	Weight	33 kg
	Mains voltage	115V (AC) at 60 Hz power frequency; 230 V (AC) at 50 Hz power frequency
	Operating temperature	5-40°C
	Humidity	30 to 85% non-condensing
	Qualifications	CE, TUV/GS, FCC, CCC, GOST, NRTL [US/CA]
Label positions		Top/side/bottom. Direct apply or by use of applicator
Options	L-shape dispensing edge, V-shape dispensing edge, external OD sensor, external remote control display, IP 65 kit, rotary encoder for APSF (automatic product speed follower)	

\* indication for 100 x 100 mm labels, feed 2 mm

# MULTI-FUNCTIONAL ALS LABELING SYSTEMS

SPECIFICATIONS		ALS 204	ALS 206	ALS 209	ALS 256	ALS 272 **
Dispensing speed up to		40m/min	30m/min	25m/min	50m/min	70m/min
		1,000 labels in 2.6 min.*	1,000 labels in 3.4 min.*	1,000 labels in 4.1 min.*	1,000 labels in 2.0 min.*	1,000 labels in 1.5 min.*
Labels	Material	self-adhesive label with liner; inside/outside winding possible				
	Label roll diameter unwinder	up to 300mm				
	Backing paper roll diameter rewinder	up to 200mm				
	Core diameter label roll	1.5"/3"/4"				
	Material width incl. backing paper	10-110mm	10-160mm	50-233mm	10-160mm	10-53mm
	Label length	5-600mm	5-600mm	50-600mm	5-600mm	5-600mm
Label stop accuracy	At dispensing edge	+/-0.5 mm at fixed speed; +/- 1.0 mm at variable speed				
Electronics	Card slots	Slot for one SD-card				
	Control panel	Graphical display 128 x 32 dots, 2 lines, 5 push buttons				
Data Interfaces	Serial	1 x RS232C, D-Sub 9, max. 115200 Baud				
	Ethernet	1 x 10/100 Base T/TX RJ45				
	USB	1 x device, 1 x host				
	Remote display	1 x RS485 (mini-DIN 6)				
	Internal interfaces	Applicator interface (optional)				
PLC Interfaces	Opto-isolated	Sub D15 or optional two 8-pin M12				
	Output	4x PNP, 24 V, max. 500mA/Output				
	Input	3x PNP/NPN, 24 V				
External sensor interfaces:	Opto-isolated	4-pin M12 connector				
	Label sensor	Optical Label sensor				
	Alternative sensors	PNP/NPN, 24 V				
	Product sensors/ APSF sensor/ OD sensor	PNP/NPN, 24 V				
Status messages	Dispensing stops, when	1. Label stock ends or 2. Missing label counter is exceeded or 3. No gap found				
Test functions:		Automatic diagnosis after powering on				
IP-protection	Class	Standard 21, option 65			Standard 21	Standard 21
	Noise:	Max.	< 70 dB [A]			

\* indication for 100 x 100 mm labels, feed 2 mm

\*\* preliminary specifications

# MULTI-FUNCTIONAL ALS LABELING SYSTEMS

SPECIFICATIONS		ALS 204	ALS 206	ALS 209	ALS 256	ALS 272 *
Dimension/ Environment	H x W x D [mm]	492 x 488 x 371	492 x 488 x 402	492 x 488 x 505	492 x 488 x 402	492 x 488 x 371
	Weight	36 kg	36 kg	38 kg	40 kg	40 kg
	Mains voltage/power consumption	115V (AC) at 60 Hz power frequency; 230 V (AC) at 50 Hz power frequency			100-240 V (AC) at 60/50 Hz power frequency	
	Operating temperature	5-40°C				
	Humidity	30-85%, not condensing				
Qualification	CE, TUV/GS, FCC, CCC, GOST, NRTL [US/CA]					
Label positions	Top/side/bottom. Direct apply or by use of applicator					
Options	L-shape dispensing edge, V-shape [ALS 204 only] dispensing edge, external OD sensor, capacitive label sensor, different sensors, various LA-xx applicators, external remote control display, tandem function, Applicator Interface, IP 65 kit (for ALS 204, ALS 206 and ALS 209), adjustable fixture for L-shape, rotary encoder for APSF (automatic product speed follower), rotatable L-shape fixture, splice table					L-shape dispensing edge, external OD sensor, capacitive label sensor, different sensors, various LA-xx applicators, external remote control display, tandem function, Applicator Interface, rotary encoder for APSF (automatic product speed follower), splice table

\* preliminary specifications

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