

LABEL APPLICATOR

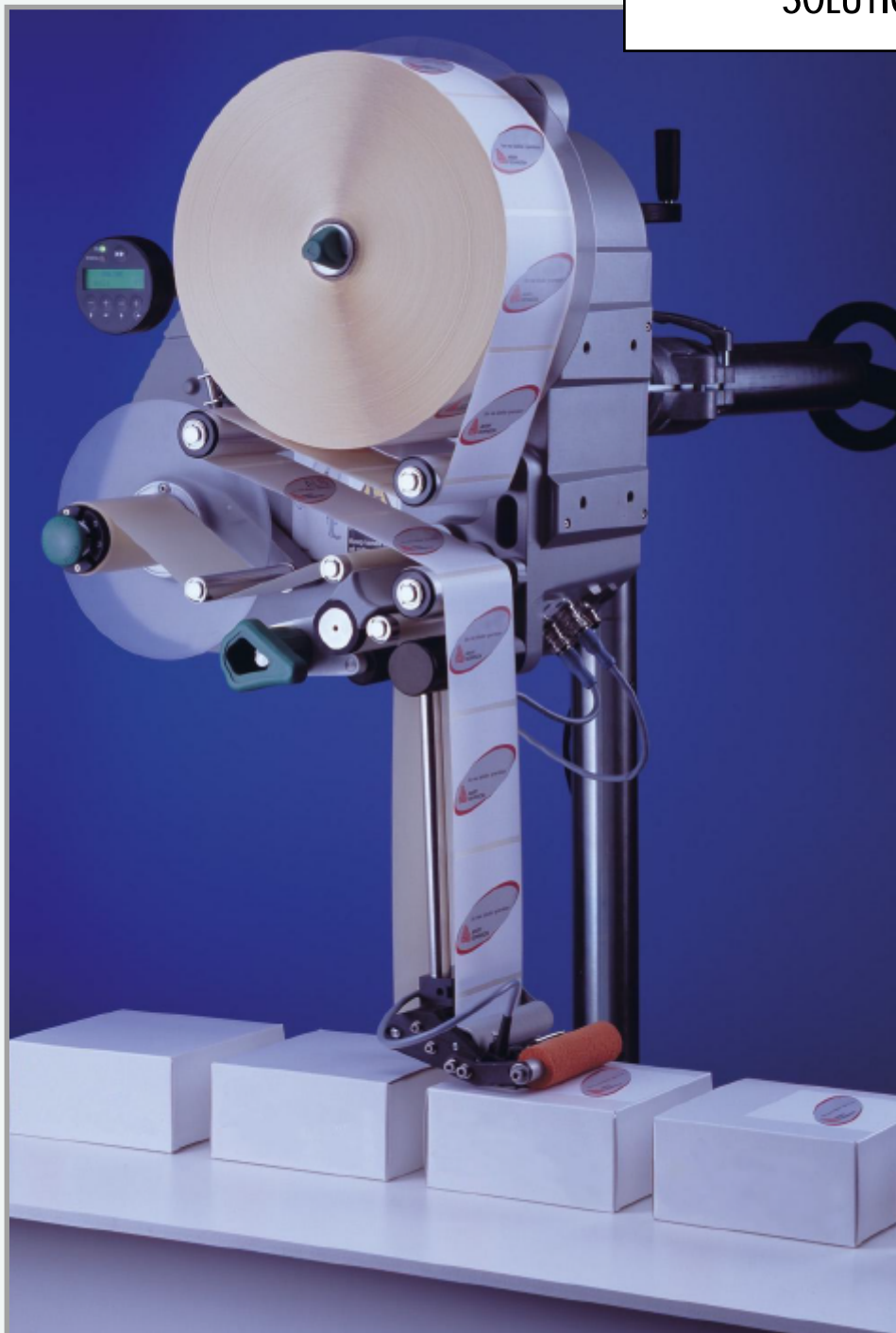
SL104 / 204 / 206

Your solution for
Industrial Labelling



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The 'SL' generation - your solution for industrial labelling



If you are an industrial producer in multi-shift operation, your products will need an identity to guarantee their sustained success in the market place. Labels, applied reliably and 'just in time', provide your products with this unmistakable form of identification.

For precisely this purpose you will need a labelling unit that can label high product volumes at fast speeds. You require consistent label placement accuracy.

You need efficiency!

The Latest Generation

The 'SL' family represents our latest generation of label applicators, which offer a very high standard of efficiency. These applicators are suitable for all self-adhesive products and decorative labels, as well as for usage in the area of logistics, especially for bottle labelling, canned goods, hygiene, cosmetics, household goods, electronics and chemical industries.

Fast, Flexible, Favorable

The 'SL' labelling machines combine extreme robustness with high-performance and the latest 'SL' generation is now even more reliable and compact than ever.

All three 'SL' machines are configured for high volume applications in continuous operation, 24 hours a day, 7 days a week and this with high dispensing accuracy is no problem for the new 'SL' generation!

The 'SL' family is flexible and its modular concept allows you to effortlessly integrate a unit into your existing system and exchange it for another 'member of the family', if required.

Proven Quality

All three 'SL' machines have been designed in accordance with the tried and tested Avery Dennison Standard, which distinguishes our range of products from all others and make the 'SL' generation so reliable.



Optimum benefits with the 'SL' Family

Attractive Price-Performance Ratio

The 'SL' generation is an industrial capable range at an extremely affordable price and with low maintenance costs. It is fast and durable, even with the most demanding requirements in round-the-clock operations.



Integration

Easily integrated into various systems thanks to the easy to access interfaces. SPS interface, CF card, USB and Ethernet connection are all inherent in the machine's design.



User-Friendly

The rotatable multi-functional display with intuitive menu structure is integrated. The machine can be optionally operated by cable connection with an additional remote control display.



Flexible Post-Processing

Application specific applicators can be connected completely in accordance with your requirements in order to further increase application flexibility. They are, of course also suitable for standard equipment.



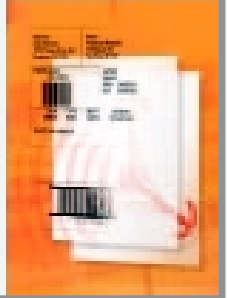
High Standard of Industrial Protection

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



RFID Enabled

The SL204 and SL206 can be optionally upgraded at any time with the new RFID technology. Reading RFID tags will not be a problem and non-functioning tags can be removed as required with the 'bad tag' separator.



Flexible in Use

The 'SL' family enables bottom, side and top labelling with three different mounting options, absolutely in line with your requirements. The dispensing edge, which can be rotated by up to 90° also ensures even more flexibility.



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 machine roll can be fixed with ease and is freely accessible at all times.



Industrial Devices in the Compact Class: The 'SL' Products

Reliable, Accurate, Compact: The SL104

Benefits of the SL104 labelling machine: -

- P Top quality for standard applications
- P Excellent price-performance ratio
- P Various dispensing edges
- P Application speed of up to 30 m/min.
- P Automatic adjustment to actual production line speed by APSF function
- P Faulty label automation reacts immediately to gaps in the material roll

The high performance SL204 and SL206

In addition to the strong features of the SL104, these applicators now offer even more benefits:

- P Highest quality for demanding applications
- P Application speed of up to 40 m/min.
- P Unbeatable flexibility with the various applicators
- P Easy maintenance and quick control with user-friendly central remote control function
- P RFID capability possible as an option
- P SL206 applies labels up to 160mm width

TECHNICAL SPECIFICATION

Model		SL104 RH/LH	SL204 RH/LH	SL206 RH/LH
Dispensing speed	Up to	30 m/min.	40 m/min.	30 m/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	1.5" / 3" / 4"		
	Material width incl. backing paper	10 - 110mm	10 - 110mm	10 - 160mm
	Label length	5 - 600mm		
Label Accuracy:	At dispensing edge	+/- 0.5mm		
Electronics:	Processor	16 Bit DSP, RAM 4 kByte, ROM 64 kByte	32 Bit CPU (MIPS), RAM 16 MByte, ROM 4 MByte	
	Card slots		Slot for one CF-card or WLAN-card	
	Control panel	Graphical display, 128 x 32 dots, 2 lines, 5 push buttons		
Data interface:	Serial	1 x RS232, D-Sub 9 for service purposes	1 x RS232C, D-Sub 9, max. 115200 Baud	
	Ethernet		1 x 10/100 Base T/TX RJ45	
	USB		1 x device V1.1, USB-B	
	Remote display	1 x RS422 (Mini-DIN 6)		
	Internal interfaces for		Applicator interface (optional) RFID reader (optional)	
External sensor interfaces:	Opto-isolated	4-pin M12 connectors		
	Label sensor	Wenglor OPT242-P800 (NPN)		
	Or alternate sensors	PNP/NPN, 24V		
	Product sensor	PNP/NPN, 24V		
	APSF sensor	Single phase, PNP, 24V	Single/bi-phase, PNP, 24V	
	OD-sensor	PNP/NPN, 24V	PNP, 24V	
SPS/PLC interface:	Opto-isolated	Sub-D15		
	Outputs	3 x PNP, 24V, max. 500 mA per Channel: 1 x isolated relay output, max. 125 mA (NC, NO selectable)	4 x PNP, 24V max. 500 mA/Kanal	
	Total max.	1500mA		
	Parallel function to PNP outputs	Optional on 8 pin M12 connector		
	Input		3 x PNP/NPN, 24V	
Status messages/Test Functions:	Dispensing stops when,	<ul style="list-style-type: none"> · Label stock ends · Missing label counter is exceeded 		
	Test functions	Automatic diagnosis after powering on		
IP protection	Class	Standard 41, option 65		
Noise:	Max.	< 70 dB [A]		
Dimensions/Environment:	H x W x D [mm]	490 x 490 x 340	490 x 490 x 340	490 x 490 x 390
	Weight	33 kg	36 kg	38 kg
	Mounting possibility	Collateral/bottom and back		
	Mains voltage/power consumption	115/230 V AC / 300 VA	110/230 V AC / 460 VA	
	Operating temperature	5 - 40 °C		
	Humidity	30 - 85%, not condensing		
	Qualifications	CE, TÜV/GS, FCC, CCC, GOST, NRTL [US/CA]		
Options:	L-shape dispensing edge, V-shape dispensing edge, RFID-kit*, external OD sensor, different label sensors, external remote control display			



SESSIONSUK

1 Redeness Street, YORK, YO31 7UU

Tel: +44(0)1904 610613 Fax: +44(0)1904 638518

Email: enquiry@sessionsuk.com Web: www.sessionsuk.com