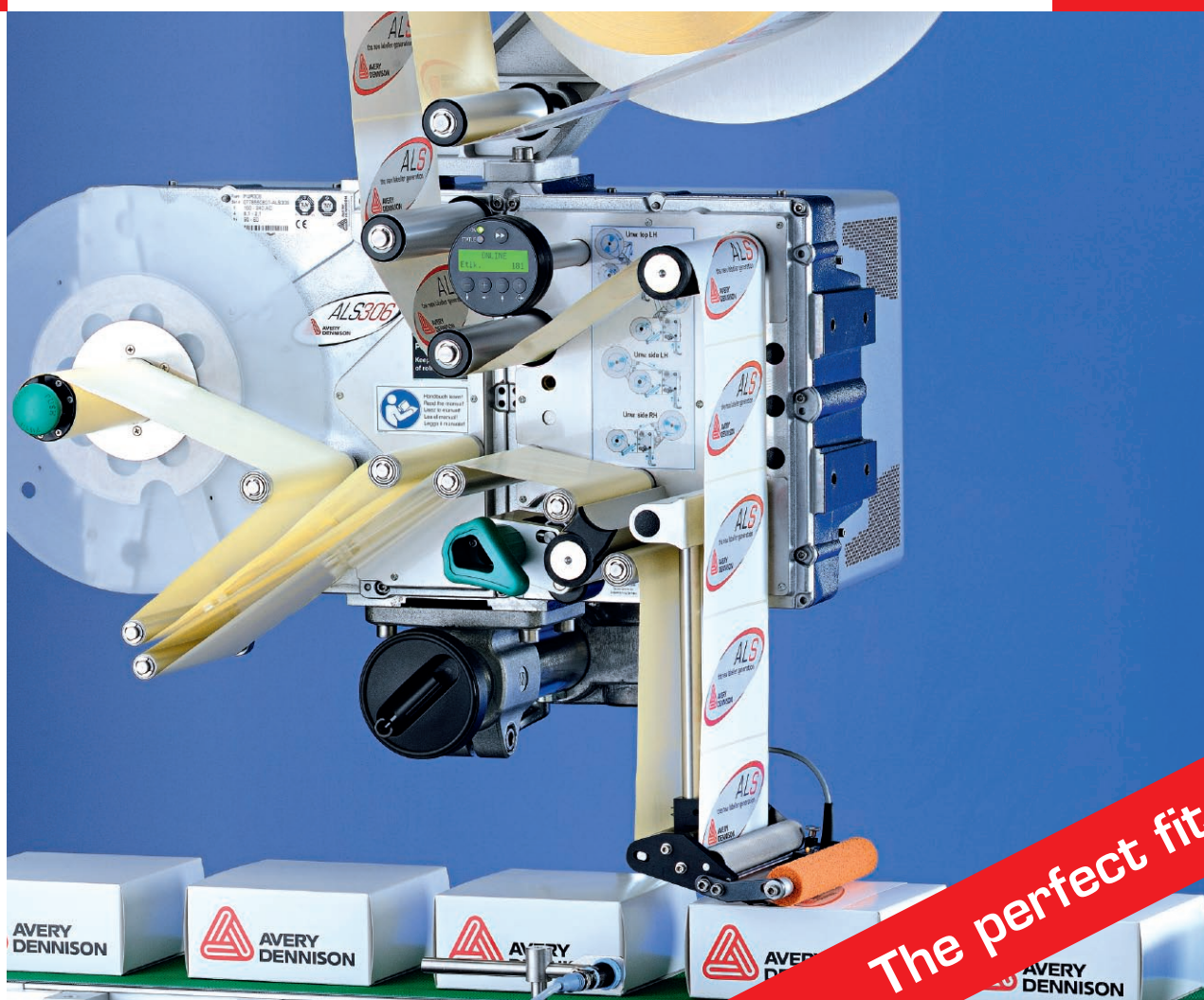


The flexible performer: ALS 306

051790



The new labelling generation for your
efficient product identification



**AVERY
DENNISON**

Monarch®
Products and Services

For highly demanding brands ...

The power of brands

People know your products. Your customers love them. No matter if it's a shampoo, a dish liquid, a bottle of juice or a health care product: It's the brand that counts – and the branding.

Be seen – be chosen

What would your products be without the label? From your customer's point of view: simply a box, a bottle, some kind of packaging. The label makes your product seen and chosen. In other words: It makes you sell.

Its the first impression that counts

You never get a second chance to make a first impression. But then again, every single impression you make has to live up to the first one. For your customers to recognize your product, it has to look good, the logo has to be clearly visible, the label has to be perfectly decorative and in the right place, in short: it has to be of high quality – every time, without exception.

Your solution for industrial labelling

Now what machine can meet this high-level labelling demand? What you need is a high-performer, a real workhorse with a substantial output. You require exceptional label dispensing accuracy that always positions the label in the correct place.

Think of a machine that combines high-speed with high accuracy and gives you something very valuable on top: a completely new modular concept. A concept

Your applications

The ALS 306 is the first of our latest generation of labelling machines, offering a very high standard of efficiency and reliability. It is the perfect fit for highly demanding product lines with 24/7 mass flow rate.

The ALS 306 is perfectly made for:

- Decorative labels
- Promotional labels
- Branding labels
- Declaration labels
- Product labels

And these are the industries the ALS 306 feels at home in:

- Fast moving consumer goods
- Food industry
- Pharmaceutical industry
- House care industry
- Beverage industry
- Health & body industry
- Chemical industry

that allows flexible integration into any product line, making maintenance easier than ever before. For all of this, there is a solution: the ALS 306.



... a new labeller with a **unique** concept: ...

The modular, flexible high-speed performer

The ALS 306 is the first product out of a new range of modular labellers by Avery Dennison. Its modular and robust concept allows high speed, wide labels and flexible integration – which makes it optimally suited for highly demanding industrial applications.

The perfect fit

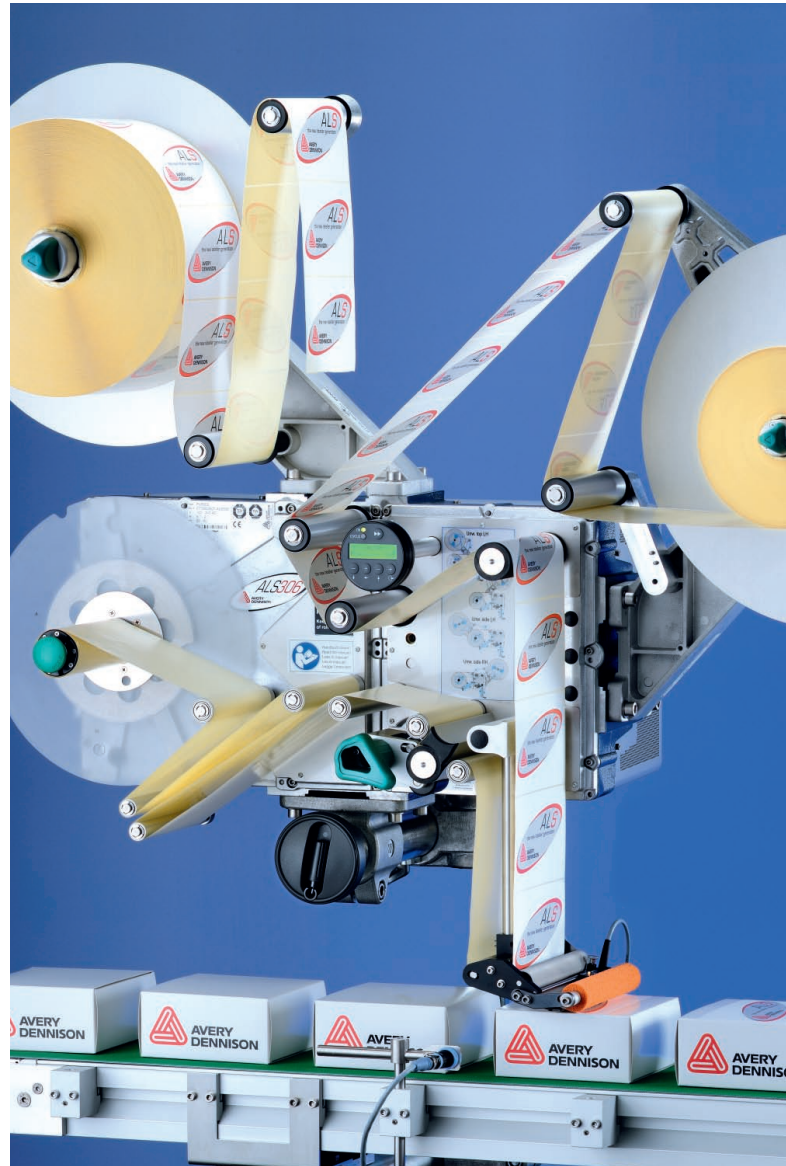
When you acquire a new labelling machine, you want to make sure it fits in perfectly with your existing production line. This is exactly what the ALS 306 can do for you. The unwinding unit can be mounted in various places on the module. Top, left side, right side – as you please. Also the machine can be integrated horizontally or vertically.

And if you want, a second unwinder can even be added, so a new label roll will be ready to go shortly if the other one is empty.

Boost your runtime

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, the apply unit module (AUM) and the power rewind module (PUR) can easily be pulled out, allowing front access also. So you're much more flexible in your maintenance. Which means more uptime in the production line.

Of course, you're still free to remove the back part if you want to. After all, the ALS 306 fits to your needs!



Easy maintenance



... it offers many benefits ...

The new labelling machine ALS 306 offers quite a lot of benefits to industrial manufacturers and system integrators.

Fasten your seat belts

The ALS 306 can manage apply-speeds of up to 60 metres per minute – or, in other words, up to 1000 labels per minute. High accuracy is assured even at high speed - by the push pull system that keeps the web tension constant. An optimal pre-requisite for highly demanding product lines that work 24/7.

Automatic Product Speed Following (APSF)

Useful for conveyor belts with variable speeds: The optional APSF module calculates the speed and ensures that the ALS 306 can always keep the pace.

Flexible intelligence

The ALS 306 is a clever machine. It has an internal warning system that informs you if you need to supply new material. It also delivers maintenance information whenever a new dust filter is needed. Besides, the firmware for the CPU board is home-made by Avery Dennison. This means we can always adapt the functionality for your labelling requirements – today and in the future.

High connectivity

The machine offers all common connectivity options: ethernet, serial port, USB, CompactFlash – and that all as standard!

User-friendly

All parameters can be edited via display. Set it up once – and go. An additional remote display is available to enable even more user-friendly access. You can then easily edit all parameters from a distance.



Your benefits:

- Flexible integration
- More uptime
- Comfortable maintenance
- Higher speed
- Robust and reliable
- Highest accuracy
- Easy connectivity
- Excellent price-performance ratio
- Covers your labelling needs today and tomorrow

Think wide - and wider

Do you frequently need to apply very large labels? No problem: The ALS 306 can easily do 6" labels. And if you think in even bigger dimensions, take the next step: look forward to the ALS 309, the next

"family member" of the new modular generation. It has exactly the same concept and benefits as the ALS 306 but you can use it for extremely wide labels – up to 9" label width!

... the **ALS 306 / 309** at a glance!

Label specifications:	ALS 306	ALS 309
Material:	Converted, self adhesive label material with liner, inside/outside winding	
Material width:	Label + liner: up to 160 mm	up to 233 mm
Label width:	20 mm - 152 mm (6")	20 - 229 mm (9")
Label length:	20 to 600 mm	
Roll diameter unwinder:	Up to 400 mm	
Roll diameter rewinder:	Up to 270 mm	
Core diameter:	1.5" / 3" / 4"	

Labeller specifications:	ALS 306	ALS 309
Dispensing speed:	Up to 60 m/min	Up to 45 m/min
Accuracy:	Label stop position on peel edge from 5 m/min to max:	Const. speed < ±0,5 mm Variable speed < ±1 mm
Interfaces:	Serial: RS232C, D-Sub 9; Ethernet: 10/100 BaseT, RJ45; USB: device V1.1, USB-B; Remote Display Connector: RS485, Mini DIN 6	
PLC-Interface:	Opto-isolated D-Sub 15 connector; optional on 8-pin M12 connector; Outputs: 4 x PNP (high side drive), 24 V, max. 500 mA, total max. 1000 mA Inputs: 3 x PNP/NPN, 24 V	
Product databases:	Up to 16	
Label Sensor:	Distance to peel edge (standard): Transmission sensor:	L-shape-dispensing-edge: 19 mm Wenglor OPT242-P800 optical, NPN
Control panel:	Graphical display 128 x 32 dots; 2/4 lines; 5 push buttons	
Size (H x W x D):	Base modules: 389 x 726 x 386 mm with unwinder (top position): 802 x 771 x 477 mm	389 x 726 x 470 mm
Weight:	54 kg (without dispensing edge and one unwind unit)	56 kg (without dispensing edge and one unwind unit)
Mains voltage:	100 / 240 V (AC)	
Current consumption:	Max. 5.1 / 2.1 A	
Operating temperature	5 - 40 °C	
Humidity:	30 - 85 %, not condensing	
Qualifications:	CE, TÜV/GS, FCC, CCC, GOST, NRTL US/CA	
Industrial protection:	Basic: IP 21; optional: IP 54 (available Q1/2009)	
Processor:	32 Bit CPU	
Memory:	16 MB RAM, 4 MB ROM, card slot for one CF-card	

External sensors*:	ALS 306	ALS 309
Label Sensor:	Wenglor OPT242-P800 optical (NPN), electronically adjustable (optional capacitive sensor)	
Product Sensor:	PNP / NPN, 24 V	
APSF Sensor:	Single / bi-phase, PNP/P-P, 24 V (max 20 kHz)	
Alternative Label Sensor:	PNP / NPN 24V	
External OD-Sensor:	PNP, 24 V	* Each on a separate 4pin M12 connector

Status Messages:	ALS 306	ALS 309
Dispensing stops, when	Label stock ends (no gap found); missing label counter is exceeded	
Test functions:	Automatic diagnosis after switch on, capture of system data on request by data interfaces	
Status messages:	Run length counter; operation time counter	

Integration:	ALS 306	ALS 309
Mounting positions:	Side / bottom / back	
Labelling positions:	Top / side / bottom	

More about us.

Accessories:	ALS 306	ALS 309
Options:	L-shape fixture short, 90° pivoting in steps of 15°, double mounted L-Shape fixture long 90°, fixtures are suitable for all L-shape dispensing edges (fixed, swivelling, pneumatic, spring loaded); tandem application, IP 54 kit (available Q1/2009), second unwinder and holder; internal and external OD-control, applicator interface board, remote display.	

Your print and labelling specialist

With our longtime experience and our profound know-how we offer you comprehensive advice. And we are sure to find the perfect solution for you out of our broad product range.

Just contact us. We are happy to help you.



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