

LEGI-AIR AP182

The pallet labeler labels GS1-compliant on up to 3 sides in 2 orientations

- + Two label orientations: portrait and landscape
- + Three-sided labeling with only two pallet stops
- + Labels up to 120 pallets per hour
- + Infrequent roll changes thanks to large label rolls
- + Clear system structure for maintenance without a technician
- + Label size min. 50 x 50 mm, max. 150 x 210 mm



INTRINSICALLY SAFE, VERY COMPACT 3-SIDED LABELER

The Legi-Air AP182 pallet labeler creates and processes GS1-compliant labels in DIN A5 or DIN A6 format; other label sizes are optionally available. The labeling material can be applied to pallets ready for dispatch in portrait or landscape format. For example, portrait-format transport labels or landscape-format labels with content information can be processed. The use of label rolls with a diameter of 350 millimetres ensures an efficient and long production time. The AP 182 achieves high speeds of 120 pallets per hour for two-sided labeling and 90 pallets per hour for three-sided labeling.

The labels are printed by an integrated print module. A wide selection of high-quality print modules from renowned manufacturers is available for configuration, achieving print resolutions of up to 600 dpi. As it does not require a safety fence thanks to its intrinsically safe design, the system saves costs and effort in logistics.



APPLICATIONS



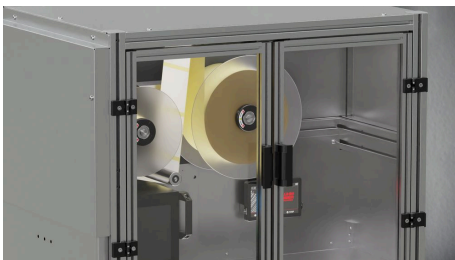
LEGI-AIR AP182

SPECIAL FEATURES



TWO OPTICAL SENSORS ON THE TAMP

The first sensor serves as an optically variable stroke sensor. It detects the distance to the pallet and, depending on the setting, triggers the label to be blown off the tamp from a distance of around 15 millimetres and triggers the tamp to retract to the home position. The second built-in optical sensor is directed inwards, towards the spring bearing of the tamp.



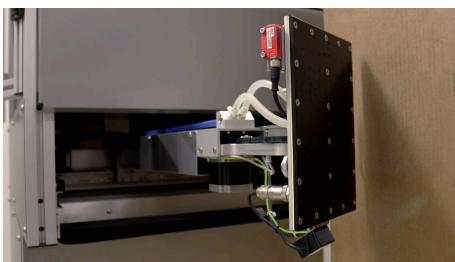
SAFE THANKS TO ENCLOSURE

The rectangular enclosure of the pallet labeler consists of a profile frame construction which, with the exception of the transparent side door, is enclosed by stainless steel sheets. The winding and unwind unit and print module can be moved and are easily accessible for quick and easy material changes.



FREELY PROGRAMMABLE TRAVEL PATHS

The freely programmable travel paths reliably compensate even for large layer tolerances – for example in cases of underloading or overloading. The system also demonstrates its full strength in mixed operation with industrial and Euro pallets. This flexibility ensures that a wide variety of palletizing requirements can be met safely and precisely. As a result, the process remains stable, efficient, and adaptable, even when conditions vary.



PIVOTING APPLICATOR HEAD

The system has a pivoting applicator head that can dispense the individually printed labels either over a short distance by air blast or via direct contact of the spring-mounted (presses label against) peeler plate to the product surface. End marking in a narrow gap of approx. 250 millimetres between two products can also be realised. Labeling of pallets on up to three different sides (front, side, back) GS1-compliant.

LEGI-AIR AP182

TECHNICAL SPECIFICATIONS

APPLICATION DATA

Labeling mode	in stop mode
Label application rate max.	2 1/min ¹
Positioning accuracy (+/-)	2 mm ²
Label size min. (WxL)	50 x 50 mm
Label size max. (WxL)	150 x 210 mm
Pallet labeling	1 side; 2 sides; 3 sides
Label roll diameter max.	350 mm ³

¹ 1-2 pallets/min (3-side labeling) ² with stopped pallet ³ up to 600 linear meters

FEATURES

Technology	Pneumatic
Mounting orientation independence	No
Label unwinding	Stepper motor
Label rewinding	Stepper motor
Label shortage warning	yes
Web break detection	optional

HMI

HMI version	Touch display
-------------	---------------

PHYSICAL ASPECTS

System dimensions (HxWxL)	989 x 735 x 1142 mm ¹
Weight	130 kg ²
IP ingress protection	IP 20
Approvals	CE
Rel. humidity non-condensing	15 - 95 %
Ambient temperature	2 - 35°C
Noise level	77 dB ³

¹ without system supports ² depending on frame height ³ A-weighted sound pressure level

CONNECTIONS

Supply voltage	92 - 263 V
Mains frequency	50 - 60 Hz

LEGI-AIR AP182

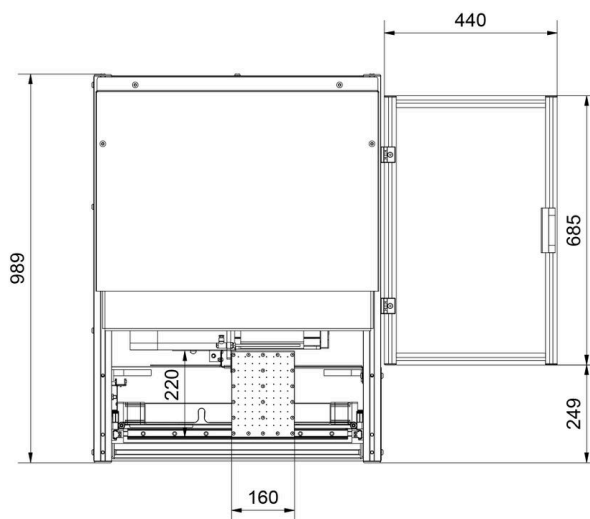
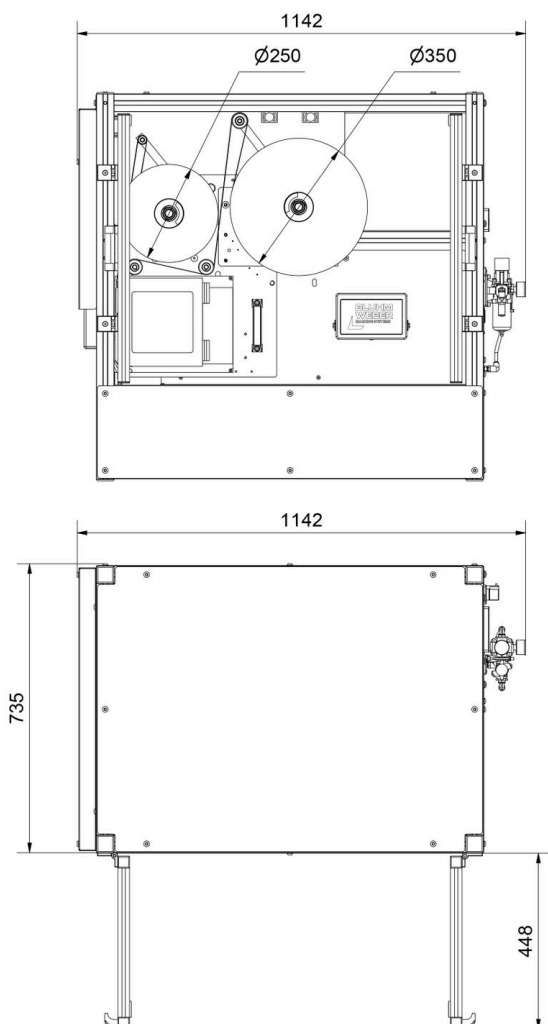
CONNECTIONS

Current	5 A
Compressed air connection	6 bar ¹
Interfaces	USB; RS232; Applicator port; Ethernet IPv4

¹ in accordance with DIN ISO 8573-1

LEGI-AIR AP182

TECHNICAL DRAWINGS



LEGI-AIR AP182

PRINTER OPTIONS



ZEBRA ZE511

Highest printing performance for industrial applications

Print width up to	104 mm
Print speed up to	457 mm/sec
Printhead resolution	203 dpi, 305 dpi, 609 dpi
Printing process	Thermal transfer, Thermal direct, RFID



ZEBRA ZE521

Highest printing performance for industrial applications

Print width up to	168 mm
Print speed up to	356 mm/sec
Printhead resolution	203 dpi, 305 dpi
Printing process	Thermal transfer, Thermal direct, RFID



SATO S84NX

Precise, fast and reliable industrial printing

Print width up to	104 mm
Print speed up to	406 mm/sec
Printhead resolution	203 dpi, 305 dpi, 609 dpi
Printing process	Thermal transfer, Thermal direct, RFID



SATO S86NX

Precise, fast and reliable industrial printing

Print width up to	167.5 mm
Print speed up to	355.6 mm/sec
Printhead resolution	203 dpi, 305 dpi
Printing process	Thermal transfer, Thermal direct, RFID



CAB PX Q4

High-precision print module for automated labeling in industry and logistics

Print width up to	108.4 mm
Print speed up to	300 mm/sec
Printhead resolution	203 dpi, 305 dpi, 609 dpi
Printing process	Thermal transfer, Thermal direct



CAB PX Q6

High-precision print module for automated labeling in industry and logistics

Print width up to	168 mm
Print speed up to	250 mm/sec
Printhead resolution	203 dpi, 305 dpi
Printing process	Thermal transfer, Thermal direct

LEGI-AIR AP182



NOVEXX XDM 944

Maximum speed for industrial labeling

Print width up to	106 mm
Print speed up to	400 mm/sec
Printhead resolution	300 dpi
Printing process	Thermal transfer, Thermal direct

NOVEXX XDM 945

Maximum speed for industrial labeling

Print width up to	128 mm
Print speed up to	350 mm/sec
Printhead resolution	305 dpi
Printing process	Thermal transfer, Thermal direct

NOVEXX XDM 946

Maximum speed for industrial labeling

Print width up to	160 mm
Print speed up to	300 mm/sec
Printhead resolution	305 dpi
Printing process	Thermal transfer, Thermal direct

LEGI-AIR AP182



YOUR RELIABLE PARTNER

+ PERSONAL POINT OF CONTACT

Your personal point of contact from our team will listen to you and explain the options.

+ MADE IN GERMANY

With our Made in Germany production, we guarantee quality and availability.

+ APPROPRIATE SOLUTION

We develop the optimal solution for your requirements, independently of technology.

+ SEAMLESS SERVICE

Our comprehensive service network is always on hand to help.

+ REGIONALLY ROOTED, GLOBALLY CONNECTED

As a family-owned company with branches worldwide, customer relations are always our top priority.

Weber Marking Systems GmbH

Maarweg 33 / 53619 Rheinbreitbach
T +49 (0)2224 77 08 0 / info@webermarking.de
weber-marking.com