

LEGI-E 4050AC

High-speed labeling - flexible, precise and completely electric

- + Electric operation - no compressed air required
- + Dispensing cycle rate up to 600 labels/min
- + Label liner buffer for uninterrupted work
- + Wipe-on dispensing process - gentle application in a throughfeed
- + Compact design, simple integration
- + Label size min. 14 x 20 mm, max. 148 x 210 mm



FASTER LABELING THANKS TO LABEL LINER BUFFER

The Legi-E 4050AC is the perfect solution for anyone who wants to combine maximum labeling speed with maximum precision. A label liner buffer allows printed labels to be stored temporarily so that they can be dispensed onto products at up to 50 m/min - regardless of the print module cycle. Various dispenser modules are available for the Legi-E 4050AC, with a pusher roller or brush on request. This ensures that all types of labels adhere securely. Perfect for labeling cartons and outer packaging on the top or side.

The Legi-E 4050AC works completely without compressed air, which saves operating costs and minimises maintenance. The compact design and easy handling make it ideal for a wide range of production environments. Thanks to the wipe-on dispensing process, labels are applied gently and accurately - even when conveyor speed change or the conveying system stops briefly. Automatic calibration to the relevant format saves time and prevents mislabeling.



APPLICATIONS



LEGI-E 4050AC

SPECIAL FEATURES

TWO SPEEDS FOR MAXIMUM PERFORMANCE

The integrated label liner buffer allows the printing and dispensing processes to be decoupled and run at different speeds. This ensures smooth label application at all times, even when production cycle rates change. This principle provides maximum flexibility, prevents workflow jams, and guarantees consistently high process reliability under varying requirements.

100 % ELECTRIC - WITHOUT COMPRESSED AIR

The Legi-E 4050AC requires no compressed air, operating fully electrically. This significantly reduces ongoing operating costs, as no expensive compressed air systems are needed, while also making installation much easier. In addition, energy consumption in production is reduced, making overall processes not only more efficient but also more sustainable. This makes the device a future-proof solution.

PRECISE POSITIONING FOR EVERY CYCLE

An integrated shaft encoder ensures that labels are placed with absolute accuracy at every cycle, regardless of changing conveyor speeds or sudden line stoppages. Misalignments are reliably avoided, ensuring consistently high labeling quality. This precision not only guarantees a clean appearance but also process stability and reduced waste during operation.

COMPACT DESIGN AND EASY INTEGRATION

Thanks to its compact and well-thought-out design, the Legi-E 4050AC requires very little space in the production environment. It can be easily integrated into existing lines without major conversions or adjustments. This makes it an ideal solution for modern, automated manufacturing processes where efficiency, space savings, and smooth interaction with other equipment are essential.

TOUCH DISPLAY

The current device generation of the Legi-E 4050AC features a modern touch display that makes operation particularly simple and intuitive. Settings can be made, processes monitored, and error messages quickly identified via the user interface. This not only makes daily handling more convenient but also increases operational efficiency, as operators can react immediately and optimize production flow.

LEGI-E 4050AC

TECHNICAL SPECIFICATIONS

APPLICATION DATA

Label position	Side; Top; Bottom; Corner-wrap front / top side
Labeling mode	throughfeed
Label application rate max.	600 1/min ¹
Positioning accuracy (+/-)	0.8 mm
Product speed up to	50 m/min
Label size min. (WxL)	14 x 20 mm
Label size max. (WxL)	148 x 210 mm
Label roll diameter max.	350 mm ²
Label roll core diameter (optional)	100 mm; 152 mm

¹ dependent on label size, text change, product speed ² Up to 600 linear meters

FEATURES

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

HMI

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

PHYSICAL ASPECTS

System dimensions (HxWxL)	733 x 522 x 941 mm ¹
Weight	80 kg ²
Approvals	CE
Rel. humidity non-condensing	15 - 95 %
Ambient temperature	2 - 35°C
Noise level	70 dB ³

¹ without dispense plate ² depending on the version ³ A-weighted sound pressure level

CONNECTIONS

Supply voltage	90 - 263 V
-----------------------	------------

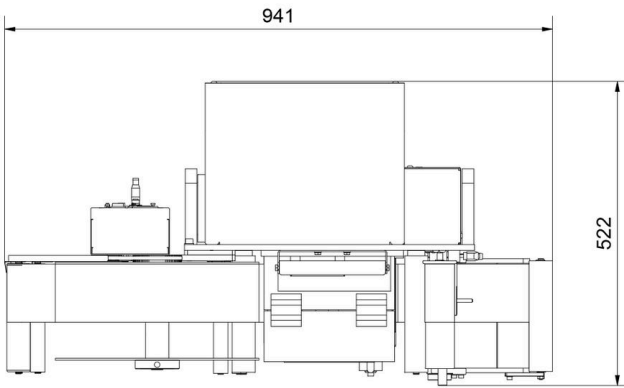
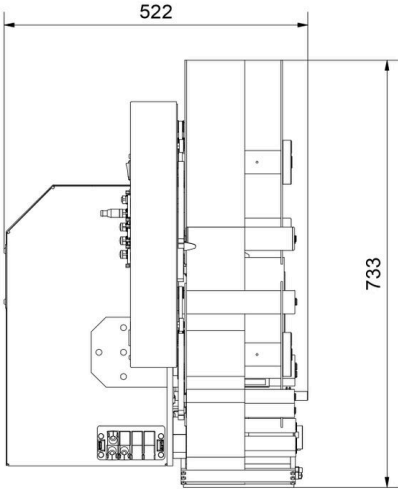
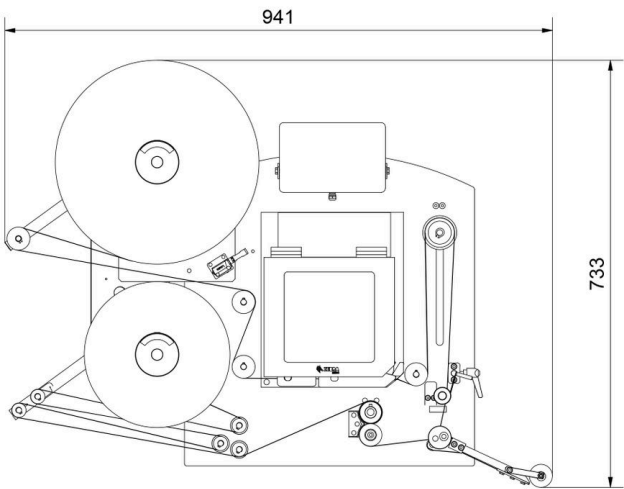
LEGI-E 4050AC

CONNECTIONS

Mains frequency	50 - 60 Hz
Current	5 A
Interfaces	USB; RS232; Ethernet IPv4; Applicator port; WLAN 802.11 a/b/g/n/ac (retrofit option)

LEGI-E 4050AC

TECHNICAL DRAWINGS



LEGI-E 4050AC

APPLICATOR OPTIONS



WIPE-ON DISPENSING TONGUE, PENDULUM TYPE

Wipe-on peeler blade with oscillating peel bar



Function	Wipe-On
Drive concept applicator	mechanical pendulum type

LEGI-E 4050AC

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-E 4050AC



NOVEXX XPM 944

Printing in batch mode for industrial labeling

Print width up to	106 mm
Print speed up to	400 mm/sec
Printhead resolution	305 dpi
Printing process	Thermal transfer, Thermal direct

NOVEXX XPM 945

Printing in batch mode 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 XPM 946

Printing in batch mode 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-E 4050AC



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

MADE IN

GERMANY

WEBER
MARKING SYSTEMS