

LEGI-E 4050B

Flexible labeling without compressed air

- + Electric operation - no compressed air required
- + Dispensing cycle rate up to 240 labels/min
- + Robust belt applicator
- + Compact design, simple integration
- + Label size min. 60 x 60 mm, max. 150 x 210 mm



ELECTRIC LABELER WITH HIGH DISPENSING CAPACITY

The Legi-E 4050B supports print modules from well-known manufacturers and offers a wide range of interfaces for flexible integration into your production environment. Its purely electric operation significantly reduces your energy costs by eliminating the need for compressed air. Labeling runs independently of the print module speed - even at conveyor speeds of over 300 mm/s - and processes different label sizes just as effortlessly as plastic labels, which are applied reliably and with reduced bubble formation.

All components come from our standardised mass production, which guarantees high availability and keeps costs low. The well-structured system design facilitates operation and enables maintenance without external technicians. With its compact design, the Legi-E 4050B can be easily integrated into a wide variety of production environments.

APPLICATIONS



LEGI-E 4050B

SPECIAL FEATURES

100 % ELECTRIC - WITHOUT COMPRESSED AIR

The Legi-E 4050B completely eliminates the need for compressed air, offering a particularly cost-effective and sustainable solution for labeling processes. Companies benefit from significantly reduced operating costs, since neither expensive compressed air supply systems nor complex maintenance are required. Installation is also greatly simplified, and the lower energy consumption helps protect the environment.

LABELING INDEPENDENT OF THE PRINT MODULE SPEED

The labeling process of the Legi-E 4050B is deliberately designed to be independent of the speed of the installed print module. As a result, performance remains stable and reliable even at conveyor speeds of more than 300 mm per second. Even with variable production flows or fluctuating speeds, a continuous and smooth labeling process is ensured, effectively preventing downtime or misalignment.

COMPACT DESIGN AND EASY INTEGRATION

Thanks to its compact design, the Legi-E 4050B requires minimal space and can be easily integrated into existing production lines. Installation is straightforward, minimizing downtime. Its well-thought-out construction supports modern automated manufacturing processes and enables effortless expansion or conversion of existing systems—ideal for flexible production environments.

LEGI-E 4050B

TECHNICAL SPECIFICATIONS

APPLICATION DATA

Label position	Side; Top
Labeling mode	throughfeed
Label application rate max.	240 l/min
Positioning accuracy (+/-)	1 mm
Label size min. (WxL)	60 x 60 mm ^❶
Label size max. (WxL)	150 x 210 mm ^❶
Label roll diameter max.	300 mm

❶ EB applicator

FEATURES

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

HMI

HMI version	Touch display
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PHYSICAL ASPECTS

System dimensions (HxWxL)	675 x 400 x 908 mm
Weight	35 kg ^❶
IP ingress protection	IP 20
Approvals	CE
Rel. humidity non-condensing	15 - 95 %
Ambient temperature	2 - 35°C
Noise level	70 dB ^❷

❶ depending on the version ❷ A-weighted sound pressure level

CONNECTIONS

Supply voltage	90 - 263 V
Mains frequency	50 - 60 Hz

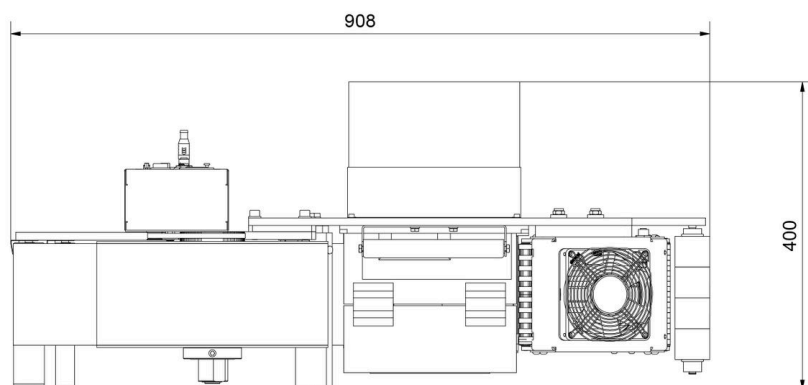
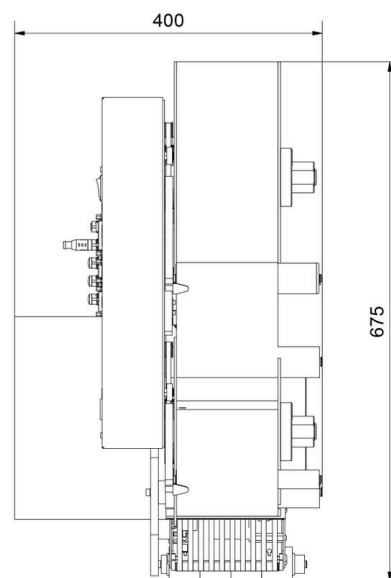
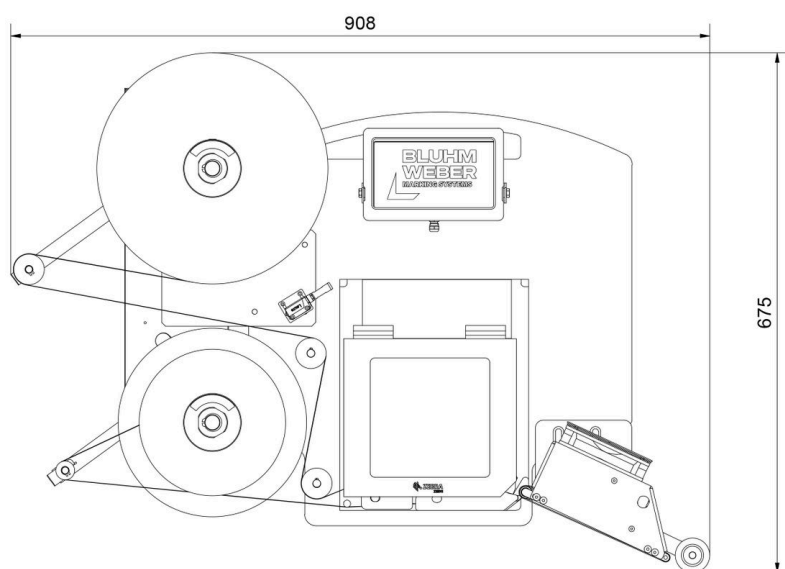
LEGI-E 4050B

CONNECTIONS

Current	5 A
Compressed air connection	0 bar
Interfaces	USB; WLAN 802.11 a/b/g/n/ac (retrofit option); Applicator port; RS232; Ethernet IPv4
Optional interfaces	Profinet

LEGI-E 4050B

TECHNICAL DRAWINGS



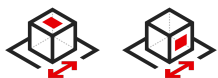
LEGI-E 4050B

APPLICATOR OPTIONS



EB APPLICATOR

Purely electric linear applicator for fast labeling



Function	Wipe-On
Drive concept applicator	Stepper motor

LEGI-E 4050B

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 4050B



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



LDM 180

Efficient dispensing module for use without printing

LEGI-E 4050B



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.

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