

LEGI-AIR 4050B

Easily integrable and modular system with greatly reduced compressed air requirement

- + Particularly space-saving and flexible label print applicator
- + Saves energy thanks to electric applicators
- + Three different applicator variants for every application
- + Dispensing cycle rate up to 240 labels/min
- + Achieves print speeds of up to 400 mm/s at 300 dpi
- + Label size min. 12.5 x 7 mm, max. 120 x 160 mm



PROVEN TECHNOLOGY WITH THREE INNOVATIVE APPLICATOR VARIANTS

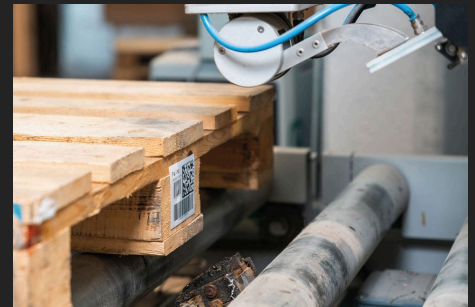
With the Legi-Air 4050B you benefit from proven technology from large-scale production: The versatile print & apply labeling system was developed in a modular design and can be easily integrated into existing processes. It prints either in thermal transfer or direct thermal mode and applies labels to stationary or moving products. High-performance print modules from leading manufacturers, designed for continuous industrial use, are available.

Thanks to the electric applicators, the system benefits from a significantly reduced compressed air consumption. Three different applicator variants are available:

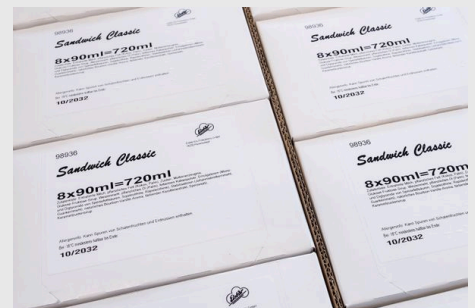
The EL linear applicator for particularly precise labeling of stationary products or uneven product surfaces.

The ES swing applicator with its 90-degree angle is ideal for front, rear, or end-face labeling.

The BB Blowbox offers non-contact high-speed labeling in continuous operation.

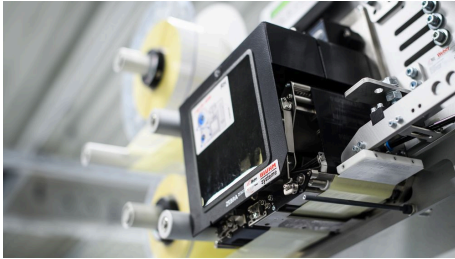


APPLICATIONS



LEGI-AIR 4050B

SPECIAL FEATURES



MODULAR PRINT MODULE CONCEPT

The print & apply labeling system impresses with a flexible, modular concept and can be equipped in all variants with print modules from well-known manufacturers. This allows the system to be precisely adapted to individual requirements. A change or replacement of a print module is possible quickly and easily at any time. In this way, the system remains flexible, adaptable, and future-proof in the long term.



ELECTRIC APPLICATORS

The EL and ES model variants are equipped with stepper motor-driven applicators that ensure precise and reliable labeling. The BB variant, on the other hand, operates with an electrically powered blower box. In this case, compressed air is used exclusively for label feeding and blowing. This significantly reduces air consumption, making operation more energy-efficient while at the same time increasing flexibility in different production environments.



CONVENIENT HANDLING VIA TOUCH DISPLAY

The Legi-Air 4050B features a user-friendly touch display that enables particularly intuitive operation. At the same time, it provides direct access to the Supporttrix, allowing quick contact with our trained hotline service staff in the event of an error. This ensures maximum user convenience and operational safety.

LEGI-AIR 4050B

TECHNICAL SPECIFICATIONS

APPLICATION DATA

Label position	Side; Top; Front; reverse side
Labeling mode	in stop mode; throughfeed ¹
Label application rate max.	70 l/min ²
Positioning accuracy (+/-)	1 mm ³
Label size min. (WxL)	12.5 x 7 mm
Label size max. (WxL)	120 x 160 mm ⁴
Label roll diameter max.	300 mm

¹ Depending on the selected applicator ² BB: 240/min ³ BB: 1,5 mm ⁴ Label area <= 20,000 mm²

FEATURES

Technology	Pneumatic
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
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PHYSICAL ASPECTS

System dimensions (HxWxL)	670 x 442 x 808 mm ¹
Weight	35 kg ¹
IP ingress protection	IP 20
Approvals	CE
Rel. humidity non-condensing	15 - 95 %
Ambient temperature	2 - 35°C
Noise level	70 dB ²

¹ depending on the version ² A-weighted sound pressure level

CONNECTIONS

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

LEGI-AIR 4050B

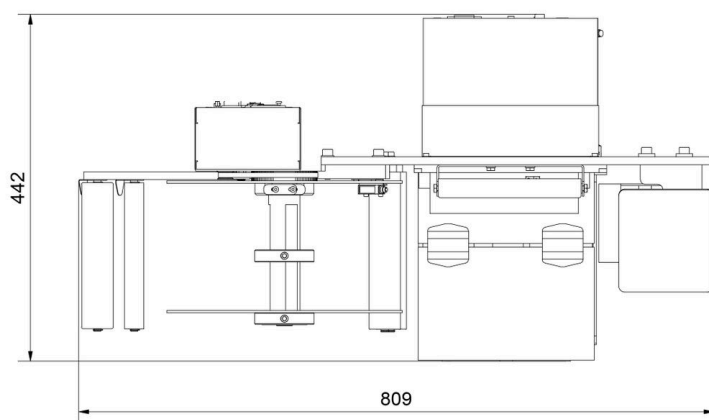
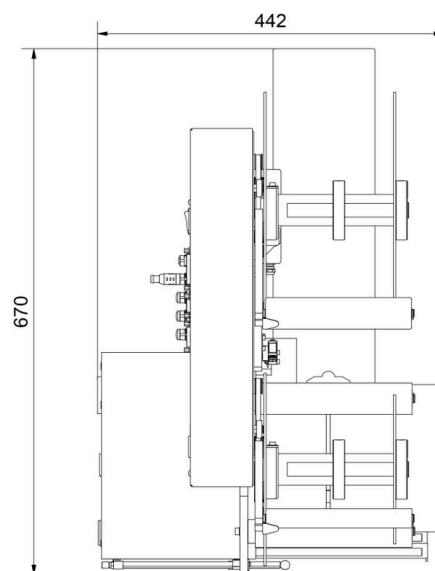
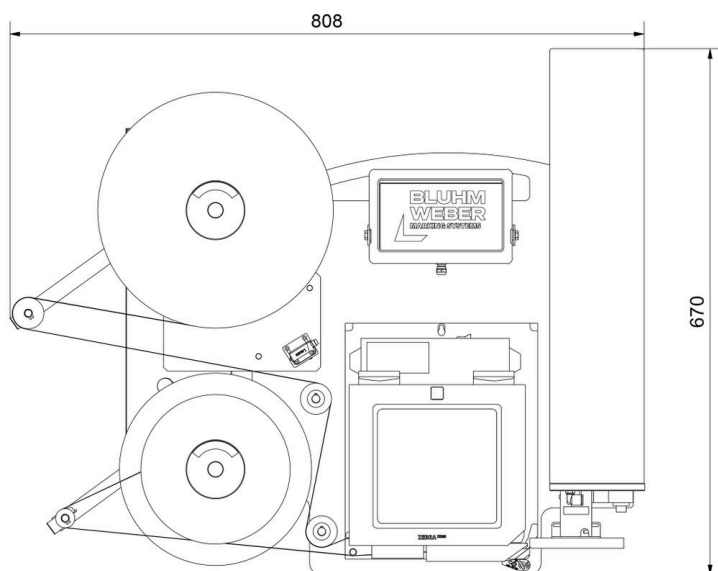
CONNECTIONS

Current	5 A
Compressed air connection	6 bar ¹
Interfaces	USB; WLAN 802.11 a/b/g/n/ac (retrofit option); Applicator port; RS232; Ethernet IPv4

¹ in accordance with DIN ISO 8573-1

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TECHNICAL DRAWINGS



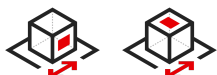
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APPLICATOR OPTIONS



EL APPLICATOR

Purely electric linear applicator for fast labeling

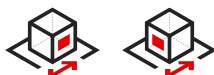


Function	Tamp-Blow, Tamp-On, Wipe-On
Drive concept applicator	Stepper motor
Dispensing stroke length	250 mm - 450 mm



ES APPLICATOR

Compact rotary applicator with electric drive



Function	Tamp-Blow
Drive concept applicator	Stepper motor
Rotation arm length	250 mm - 400 mm



BB APPLICATOR

Compact high-speed linear applicator for the shortest cycle times



Function	Blow-On
Drive concept applicator	Rigid
Dispensing stroke length	0 mm

LEGI-AIR 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-AIR 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-AIR 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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