



DATASHEET

Label printer and dispenser

Legi-Air 4050 E

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Due to its compact system basis and modular structure, Legi-Air 4050 E usage can be expanded at any time for various applications, e.g. as custom tamps or barcode control device.

Flexible and efficient

All desired labelling positions are possible. The Tamp-Blow- and Blow Box procedures enable high-speed labelling applications and also make it possible to position the labelling system on the product regardless of the direction of movement.

Of course a series of other application variants are also possible, e.g. tamping and wiping of labels. Controlling and networking of dispensing systems can, if necessary, be executed with Legitronic[®] Labelling Software. This improves cycle times and increases production safety.

User-friendly handling

A display controller with a large text display in several languages provides simple handling. Targeted user information about the machine status is displayed in plain language.

There are storage possibilities for label- and product specific parameters, which can be repeatedly and quickly displayed.

The display controller can be detached if necessary.

Therefore, user-friendly entries can also be made in case of complicated installation positions of the printing dispenser in production. A motorized coil winder ensures a quick and straight label run and thereby guarantees a precise printing of labels.

Process security

A two-step vacuum for label transport and dispensers enables a flexible adjustment to the label material (hard or soft) and guarantees process stability during labelling. Precisely the required vacuum is created for safe label transport to the tamp and for application. The control technology and pneumatics are protected from adverse conditions with a stainless steel enclosure. Material deficiency sensor technology prevents unplanned system downtimes.

Cost-effective

Transmission of system parameters is possible via USB.

System and maintenance information ensures a quick and simple diagnosis.

Know-how of the BluhmWeber Group

- Competent and extensive system consultation
- Label printer and -dispenser
- Software for label design
- Competent hotline service
- Maintenance contracts
- Customer-specific customized solutions
- System-compatible consumable materials
- Inkjet- and laser direct labelling systems
- RFID systems
- Individual label production

Technical data

Print technology

Thermal transfer or direct thermal

Print resolution

8 dots/mm (203 dpi)
12 dots/mm (300 dpi)
24 dots/mm (600 dpi)

Print speed

Up to 400 mm per second

Tamp sizes

Tamp-Blow standard of 12.5 x 7 up to 160 x 210 mm, label lengths are limited depending on label quality; substantially larger or smaller labels are possible with custom tamps.

Label gap

Minimum of 3 mm

Label roll

300 mm outer diameter with up to 450 linear meters, roll core 76 mm (3"), outside winding, roll end pre-warning, optional: inner winding, larger roll core diameter and 350 mm label roll outer diameter

Data interfaces

All common interfaces (details in Print module brochure)

Control interfaces

Potential-free outputs (relays), opto-coupler inputs, M12 connections for photo cells and alarm lights

Maintenance intervals

according to interval indication

Dispensing output

Up to 240 labels per minute, the dispensing output depends on label size, text change and dispensing stroke

Position accuracy of dispensed labels

Standard:

Up to ± 0.8 mm for stopped product (depending on dispensing spacing, applicator type and label size)
optional: ± 0.5 mm

Print-dispenser activation

Reflex sensor, light barrier, inductive or capacitive sensor, micro switch, volt free contacts (SPS)

Alarm setup

Standard: Error message in text display, volt free contacts (SPS), optional: 3-color alarm lamp

Compressed air consumption

0.3 to 3 l per dispensing cycle regardless of label size, applicator type or setting
Compressed air connection
6 bar, compressed air must be clean, dry and free of oil (DIN ISO 8573-1)

Weight

75 kg or more (depending on version)

Electrical connection

90 to 263 VAC, 50/60 Hz, 5 Amp

Ambient conditions

Temperature: 10 °C to 35 °C,
15 to 95 % relative humidity,
non-condensing

Certification

CE mark

Options

- RFID labelling
- Bad Tag rejection
- Label format-quick change tamp
- Spring loaded tamp
- 3-color alarm lamp
- Dust- and spray water protective enclosure (also with heater) for usage under extremely adverse ambient conditions
- IPC in protective enclosure
- Label print software Legitronic®
- Bluhmware for controlling and networking of systems
- Label attendance checks for: scanner (1-D/2-D), vision systems, sensors, RFID gates

Version 11/2012

Technical changes reserved.

- Product sensor technology
- Variable dispensing stroke scanning
- Stand in various versions (firmly mounted, spindle adjustable, mobile)

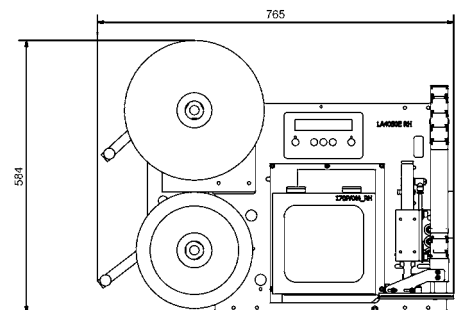
Dispensing applicators

- 90° revolving tamp
- 180° revolving tamp
- Corner wrap application
- Two-sided labelling
- 1-sided pallet labelling with extra-long stroke
- Quick two-sided box labelling
- Linear applicator up to 1,200 mm dispensing stroke
- 90° and 180° swing applicator
- Short stroke-, high-speed linear applicators
- Servo-applicators

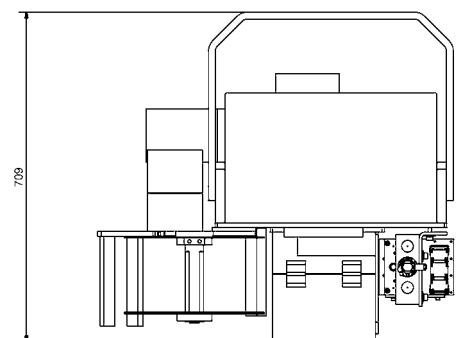
All technical data depend on the printing modules used (see separate Print module brochure).

Dimensions

Front view



Top view



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