



DATA SHEET
LABEL PRINTER AND
APPLICATOR

LEGI-AIR 4050 P



Weber[®]
LABELING & CODING SOLUTIONS

LEGI-AIR 4050 P

Continuous or stationary pallet labeling: the modular LEGI-AIR 4050 P is specifically designed for these tasks. The system offers further advantages with regard to speed, security, fields of application, size and ease of servicing.

Two-sided labeling

LEGI-AIR 4050 P allows the labeling of two adjacent sides of a pallet. Up to 7 pallets can be processed per minute, depending on the application. Variable data (e.g. text, barcode or logo) are printed precisely and legibly on the labels immediately before the application procedure. The labels are subsequently applied using swing-arm technology with diagonal bar. This patented process is very safe: the pallet rolls back out in the event of a power failure, for example. If, in doing so, it should come into contact with the extended applicator arm, the bar automatically pushes the arm out of the way.

Flexible

Products of varying dimensions can be labelled due to the large swing-arm radius of 400 mm. Thanks to the Tamp-Blow, LEGI-AIR 4050 P can also flexibly label boxes, crates and other types of packaging, including convex or concave-shaped product surfaces. Labeling is possible in any conceivable installation position due to the symmetrical design. The compact dimensions of 1000 x 800 x 1200 mm (L x W x H) allow easy integration into existing production environments.

Ease of servicing

LEGI-AIR 4050 P has a built-in service interval counter which informs the user in good time of the next service date. Easy, fast replacement of individual components, due to wear for example, is also a practical feature due to the modular construction. The print module, for example, can be replaced with only 5 screws and 2 cables.



Technical specifications:

Printing 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 (mm)

Tamp-Blow standard of 150 x 210 to 160 x 250 mm, label lengths must be limited in accordance with label quality, longer or smaller labels are possible using special tamps

Label gap

Minimum 3 mm

Label roll

300 mm diameter, up to 450 running meters, core 76 mm (3"), outside winding (optional inside winding)

Data interfaces

All common interfaces (see print modules leaflet for details)

Service interval

According to interval display

Positional accuracy of applied labels

Up to ± 2 mm on stopped product

Labeling security

- 2 product sensors for monitoring labeling area
- 2 optical sensors and 1 inductive sensor for monitoring product surface
- Analogue pressure monitoring sensors
- Label presence check on tamp
- Patented labeling process
- Patented diagonal bar as passive protection for tamp
- Steel plate housing for protection from ambient effects

Print applicator activation

Light barrier, PLC output

Alarm equipment

Standard: error reporting display controller, digital I/O and 3-colour alarm lamp

Application capacity

Up to 7 pallets per minute without stopping product, the application capacity is dependent on conveying speed, text change and stroke
 Max. conveying speed on front labeling 18 m/min
 Max. conveying speed on rear labeling 15 m/min

Compressed air consumption

2.1 l per application cycle, dependent on label size and setting

Compressed air connection

6 bar, the compressed air must be clean, dry and oil-free

Dimensions (L x H x W)

1000 x 1200 x 800 mm

Weight

From 300 kg (depending on model)

Electrical connection

90 to 263V AC, 50/60 Hz, 5 amps

Ambient conditions

Temperature: 10°C to 35°C, 15 to 85% relative humidity, non-condensing (see separate leaflet on print modules).

Accreditation

CE-mark

All technical specifications are dependent on the print modules used (see separate leaflet on print modules).

Choice of options:

- RFID labeling
- Test scanner
- System base
- IPC in protective housing
- Legitronic® label printing and design software

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