



DATA SHEET  
LABEL PRINTER AND  
APPLICATOR

LEGI-AIR 4050 P



**Weber**<sup>®</sup>  
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  $\pm 2$  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

**European Headquarter**  
**Weber Marking Systems GmbH**  
 Honnefer Straße 41  
 D-53572 Unkel  
 Phone: +49 2224 7708 0  
 Fax: +49 2224 7708 20  
 info@webermarking.de  
 www.webermarking.de

**Weber Marking**  
**Systems Ltd**  
 Macmerry Industrial Estate, Macmerry  
 East Lothian, EH33, 1HD  
 Phone: +44 1875 61 1111  
 Fax: +44 1875 61 3310  
 sales@weber.co.uk  
 www.weber.co.uk

**World Headquarter**  
**Weber Marking Systems, Inc.**  
 711 W. Algonquin Road  
 Arlington Heights, IL 60005-4457  
 Phone: +1.847.364.8500  
 Fax: +1.847.364.8575  
 info@webermarking.com  
 www.webermarking.com



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