

Legi-Air 4000

Weber[®]
Marking Systems

The new printer-applicator Legi-Air 4000 combines high-quality printing with a great flexibility for a very interesting price.

Legi-Air 4000 is a printer-applicator at a very economical price and easy to integrate for labeling on products and packing materials.

The system integrates a thermal/thermal transfer label printer with an automatic tamp applicator. Depending on the label size, the system can maintain up to 30 labels per minute at a placement accuracy of +/- 1 mm (product distance between 5 and 20 mm).

With the method 'Air-Jet', the printed label is automatically peeled off its liner. A vacuum retains it on the applicator pad and as the product reaches the applicator, the tamp extends and the label is blown onto the either stationary or moving product.

All configuration parameters of the printer can be adjusted easily with an integrated display as well as the Legi-Air 4000 can operate as a stand-alone system.

The method of labeling without touching the product presents several essential advantages.



- Labeling is possible on all sides of the product
- Very easy and simple integration into any production line
- The label printer will not show any signs of use on the applicator pad.

A microprocessor control panel is used to synchronize the cycle process with the label printer.

As a standard, Legi-Air 4000 offers potential-free relay units for coupling the conveyer belt with the printer-applicator.

With this option, the conveyer belt cycles with the printer and a variable stroke can be achieved.

Furthermore, the conveyer technique will be informed of any malfunction of the printer-applicator.

The rewinder of the label carrier takes place by an own stepper-driven motor by a microprocessor panel and is responsible for an optimum peel-off of the labels.

Unlike conventional friction safety clutches, the use of a stepper-driven motor presents a lot of advantages referring to functions and wear of parts.

The pneumatic drive of the applicator pad has been constructed in accordance with the rules of security at work, so there is no need for any other protection (e.g. safety grid, safety cabinet of the applicator etc.).

The applicator pad automatically moves in home position as soon as an obstacle appears. Because of this enhancement, the system price has been considerably reduced.

The printer-applicator Legi-Air 4000 has CE approval and is designed in accordance with the machine regulation (89/392/EWG).

Legi-Air 4000 operates with Weber's exclusive Labeling software Legitronic for Windows. With the integrated RS 232/RS 422 as well as RS 485 interfaces the system can also be accessed directly by other specific software, scanner, scales etc.

Weber offers expertise:

- Professional system advice
- label printers and printer/applicators
- service-net in Europe
- An own label manufacture

Printing
Thermal transfer or direct thermal printing

Resolution
Standard: 8 dots / mm (203 dpi)
Option: 12 dots / mm (300 dpi)

Print speed
Up to 254 mm / sec (203 dpi)
Up to 152 mm / sec (300 dpi)

You can find other printing specifications in our prospect "label printer Legitronic 25/26".

Label size
(width x length in moving way)
Minimal: 50 x 50 mm
Maximal: 118 x 170 mm

Label gap
Minimum 3 mm

Label roll
Up to 300 meters per roll, maximum 300 mm outer diameter, diameter core: 76 mm (3"), outside wind

Data transfer
RS 232 / RS 422 / RS 485
parallel Centronics

Data command
ZPL II

PLC-Interface
Isolated relay output
"conveyer synchronize"
"common fault"
Optocoupled input
"Activation of print / apply (Trigger)"

Labeling speed
Up to 30 labels / Minute
Timing depends on label size, variable data and stroke length.

Effective stroke length
Standard: 130 mm
Option: 380 mm

Drive system
2 independent stepper motordrives for printing and liner rewinder

Product sensing
Photoelectric

Air consumption
Approx. 2 liters per distribution cycle at 6 bar (for most of the applications).

Air requirements
6 bar,
compressed air must be dry and clean

Sizes
(length x height x width)
710 x 610 x 270 mm

Weight
Approx. 30 kg

Electrical
230 VAC, 50 Hz, 1,2 Amp.

Environmental
Operating temperature: 4° - 38° C
Humidity: 10 - 95 %, non condensing

Maintenance interval
After 1.500 factory hours or 25 km of label passage or 500.000 labeling cycles (the first appearing factor is decisive for the service interval).

Optional features

- Variable stroke sensor
- Extended application cylinder (up to 380 mm length)
- Specific applicators
- Protection cabinet against dust and splash (heater optional)
- Stand in several executions (fixed, adjustment by spindle, mobile)
- Warning light
- Label roll end prewarning



Print and apply in one working process. The actual label is applied without losing time and exactly on the product.



All the configuration parameters of the printing system are easy to use through a display unit.

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