

DATASHEET

Label printer and dispenser

LEGI-AIR 6000



Legi-Air 6000

High performance label printing dispenser for labelling shipping cartons.

The modular concept of the Legi-Air label Print Apply System allows the unit to be customised to suit existing production lines.

Product traceability, quality assurance, tracking and tracing in logistics or individual identification of products for just-in-time production – these are just some of the current industry demands that are catered for with this system.

Interchangeable dispensing heads allow the use of different label sizes. Print Engines by leading global manufacturers such as Zebra, Datamax, CAB etc allow an optimal match to the application and its specific printing requirements.

Reaching 400 products per hour, the Legi-Air 6000 high performance printing and application system will label passing cartons of varying height quickly and efficiently. Differences in product height of up to 500 mm can be achieved thanks to the high performance stroke unit.

These peak performances are achieved using a servo motor driven dispensing applicator and carbon fibre construction.

Once the sensor has initially determined the height of the approaching product for labelling, the applicator will move to the correct position at high speed. This reduces the travelling distance for labelling and the Legi-Air 6000 will simultaneously label more accurately and up to 50 percent faster than a printing dispenser with a pneumatically driven cylinder.

The new redesigned microprocessor controller is optimal in terms of both cost and space. This makes the system highly compact and facilitates easy integration into existing operating environments. The Legi-Air 6000 will handle large label rolls with an ergonomically adjustable reel holder taking maximum roll size of up to 350 mm diameter. This results in higher efficiency production runs and less downtime for Label Reel Change.

The Intelligent construction allows easy access to system components for servicing and or maintenance, enabling convenient changing of labels and foils as well as particularly easy cleaning of the print module's thermal print head, as needed.

Technical data

Printing technology

Thermal transfer or thermal direct

Print resolution

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

Printing speed

Up to 400 mm per second

Dispensing output

Up to 40 labels per minute; dispensing output depends on label size, text change and dispensing stroke

Label sizes

Tamp-Blow Standard minimum:
50 x 40 mm, maximum: 120 x 200 mm;
The label lengths should be reduced, depending on quality. Significantly larger or smaller labels are possible with special dispensing heads.

Label gap

Minimum 3 mm

Label roll

Maximum 350 mm roll diameter, up to 600 running metres label liner, roll core 76.2 mm (3 inches), labels outside, optionally: labels inside or larger roll core diameters

Data interfaces

All conventional interfaces (for details, see Print module brochure)

Control interfaces

Floating outputs (relays), Optocoupler inputs,
M12 connection for photo cell and alarm lamp

Position accuracy of the dispensed labels

Standard: up to ± 1 mm with stationary product (depends on distance of application, applicator type and label size), optionally: ± 0.5 mm

Printing dispenser activation

Reflex sensor, light barrier, inductive or capacitive sensor, micro switch, floating contacts (PLC)

Alarm system

Standard: Error message in text display, floating contacts (PLC) optional:
3-colour alarm lamp

Compressed air connection

6 bar, compressed air must be clean, dry and oil-free (DIN ISO 8573-1)

Compressed air consumption

0.3 to 3 l per dispensing cycle, depending on label size, type of applicator and setting

Weight

from 100 kg (depending on type)

Electrical connection

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

Ambient conditions

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

Certification

CE mark

Options

RFID labelling,
Bad Tag discard,
3-colour alarm lamp,
Dust and water spray protected enclosure

Legi-Air 6000



For use in particularly harsh environmental conditions (also with heating), IPC in the protective enclosure, Bluhmware for system control and interlinking, Legitronic® label printing software, label presence check, scanner (1-D/2-D), vision systems, sensors, RFID gates, product sensors, product height recognition, variable dispensing stroke sensing, tripod in different versions (stationary and spindle-adjustable)

Dispensing applications (servo motor)
top pallet labelling using extra long dispensing stroke, linear applicator with up to 1 200 mm dispensing stroke, 90° and 180° swivel applicator, short stroke high-speed linear applicators

Technical changes reserved.

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