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LEGI-AIR 4050 M

Next generation label printer and applicator: an innovative control concept allows LEGI-AIR 4050 M to print and apply labels fully automatically in a single operation. The "M" in this case stands for "Master controller" as the central interface for data and process control. The consistent modular design and the use of print modules from leading manufacturers assure both the fulfilment of the widest variety of labelling requirements and easy integration into existing plant and equipment.

Practical

The labeller itself undertakes the translation of diverse programming languages from a variety of printer manufacturers. As a result, the user can select the right print module for the respective application without having to carry out the control adjustment himself. The complete system is controlled over an interface – the connection is made over RS 232, 422, 485, Ethernet or Profibus.

Versatile

LEGI-AIR 4050 M facilitates the use of a multiplicity of standard applicators and can also be converted for RFID labelling. Various

modes of operation, e.g. contactless air blast processes such as "Blow-On" und "Tamp-Blow" for high-speed labelling, emphasise the practical strengths of the system. Numerous individual solutions are also possible due to the fact that all labelling and installation positions can be achieved with the standard equipment.

User-oriented

LEGI-AIR 4050 M offers additional useful features ideal for everyday applications. Functions such as a remote servicing option via Internet or network and the integrated service interval display guarantee the daily flow of production. Events such as "end of label roll" can be pre-defined – when this occurs a message is sent via signal light, e-mail or by SMS to a mobile phone. Classic digital I/O signals are also available.

The multi-language 5.7" (optional 10.4") touch display for polling, editing and storing data makes a PC connection superfluous. The equipment also has a USB connection which can be used to add a separate keyboard for direct data entry or to connect a data carrier.



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 12.5 x 7 to 160 x 300 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

RS232, RS422, RS485, Ethernet
Optional: Profibus

Service intervals

According to interval display

Positional accuracy of applied labels

Up to ± 0.8 mm on stopped product (dependent on distance of application, type of applicator and label type)

Print applicator activation

HOST connection, reflex button, light barrier, inductive or capacitive sensor, SPS output microswitch

Alarm equipment

Standard: error reporting on 5.7" touch-display, host status, e-mail, digital I/O optional: 3 colour alarm lamp

Display controller

- Multi-language operator guidance
- 5.7" VGA touch display
- Service interval indicator
- Polling, editing and saving of label data
- USB connection for memory medium or keyboard

Application capacity

Up to 200 labels per minute, the application capacity is dependent on label size, text change and stroke

Compressed air consumption

0.3 to 3 l per application cycle, dependent on label size, applicator type and setting

Compressed air connection

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

Dimensions (L x H x W)

770 x 560 x 580 mm,
Applies to system with 250 mm stroke

Weight

From 75 kg (depending on model)

Electrical connection

90 to 263 VAC, 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:

- 90° rotating tamp
- Corner wrap application
- Two-sided labelling
- 1-sided pallet labeller with extra long stroke
- Fast two sided carton labelling
- Linear applicator up to 1200 mm stroke
- Short stroke high-speed linear applicators
- Suction belt applicator
- RFID labelling
- Quick-Change
- Spring loaded tamp (Gimbal)
- 3 colour alarm lamp
- Rotective housing for installation under particularly difficult ambient conditions
- 10.4" touch display
- Profibus connection
- GSM module
- ID scanner
- Verifier scanner
- RFID reader

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