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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 labeling requirements and easy integration into existing plant and equipment.**

### Practical

In this system the labeller itself undertakes the formatting of the user data, thus handling this aspect independently of the various printer manufacturers. This means that the best suited print module for the respective application can be selected with no need to adjust the customer's controls. The complete system is controlled via an interface – the connection is made over RS 232, 422, 485, Ethernet or Profibus.
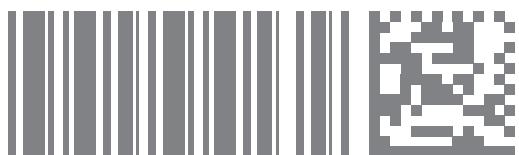
### Versatile

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

modes of operation, e.g. contactless air blast processes such as "Blow-On" and "Tamp-Blow" for high-speed labeling, emphasize the practical strengths of the system. Numerous individual solutions are also possible due to the fact that all labeling 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-dis-
play, 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 speed**
Up to 200 labels per minute, the application ca-
pacity 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 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

## Choice of options:

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

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



Screenshot Mastercontroler

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