LEGI-AIR 5300

LEGI-AIR 5300, the modular label printing and application system from Bluhm Systeme, stands for extreme versatility with high operator convenience and long operating time. It offers flexibility, quality and effectiveness for all labelling tasks.

Operator convenience

This is given by numerous functions, such as the service interval indicator and operating status display, both of which report the forthcoming service date and any malfunction, for example due to the exhaustion of consumables, among other options via signal or by e-mail to a pre-determined e-mail address. The multi-language, plain text display can be positioned as desired and is thus always easily accessible to the operator, even in cramped production conditions. The built-in web browser offers the option to view the current service status, including by remote diagnosis.

Flexibility

A range of labelling options is available for the widest variety of tasks, for example linear, rotating and corner applicators as well as applicators for two-sided labelling. As far as the printing of labels is concerned, there is a choice of tried and tested industrial print modules from several manufacturers – RFID print modules for programming radio chips are also available in this context.

High quality

Labels are printed in very high resolution in a single operation. Due to its robust, durable design, LEGI-AIR 5300 is also suitable for installation in harsh production environments.

Versatility

Selection can be made from a variety of operating modes – including the label air blast process (tamp blow, blow box) for contactless high-speed labelling.

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 180 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
350 mm diameter, up to 600 running meters,
core 76 mm (3"), outside winding
(optional inside winding)

Data interfaces
All current interfaces
(see print modules leaflet for details)

Service intervals
According to interval indicator

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
Reflex button, light barrier, inductive or capa-
citive sensor, microswitch, SPS output

Alarm equipment
Standard: Error reporting on text display,
volt free contacts
optional: 3-colour alarm lamp

Display controller
- Multi-language operator guidance
- Archiving of finished label layouts
- Web interface for remote diagnosis
- Service interval indicator

Application capacity
Dependent on label size and type of applicator
Tamp blow: Up to 150 labels/min.
Blow: up to 240 labels/min

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 W x H)
770 x 715 x 695 cm

Weight
Approx. 80 kg, depending on model

Electrical connection
115 VAC, 60 HZ
220 VAC, 50 HZ
5 amps

Ambient conditions
Temperature: 10°C to 35°C, 15 - 85% relative
humidity, non-condensing (see separate leaflet
on print modules). Subject to change without
notice.

Accreditation
CE-mark

All technical specifications are dependent on
the print modules used (see separate leaflet
on print modules). Subject to change without
notice.

Choice of options:

- 90° rotating tamp
- Corner wrap labelling
- 1-sided pallet labelling with extra long stroke
- Fast two sided carton labelling
- Linear applicator with up to 1200 mm stroke
- Short stroke high-speed linear applicator
- Suction band applicator
- RFID labelling
- Quick-Change
- Spring loaded tamp (Gimbal)
- 3-colour alarm lamp
- Protective housing for use in particularly
  harsh ambient conditions
- IPC in protective housing
- Legitronic® label printing software
- bluhm ware