



**gallus**  
A Heidelberg Group Company

# Gallus Labelmaster

Flexibility in perfection.



# Flexibility in perfection

**You can now plan the future by harnessing the revolutionary flexibility of the Gallus Labelmaster. From the economical basic model to the fully equipped version, the possibilities are endless for configuring your label press to meet the needs of your business model, while benefiting from unbeatable value for money and the impressive quality for which Gallus is renowned.**

## **The Gallus Labelmaster opens up a new dimension in flexibility**

The new Gallus Labelmaster gives printing companies on the label and packaging markets unprecedented flexibility, both now and for the future. This is made possible by the revolutionary platform design, enabling all customer-specific needs to be met on a made-to-measure basis. Depending on the particular model, a variety of different printing modules are available to personalise the Gallus Labelmaster to meet the exact requirements of any business model.

### **Other key facts**

- Minimal paper waste thanks to extremely short web path (just 1.4 m between printing units)
- Printing speeds of up to 200 m/min
- Wide choice of substrates thanks to printing cylinders and anilox rollers driven directly by servo drives
- Precise and stable register accuracy across all printing speeds
- Printing methods – flexographic, screen, cold foil, hot foil embossing and rotary embossing
- Die cut at any position



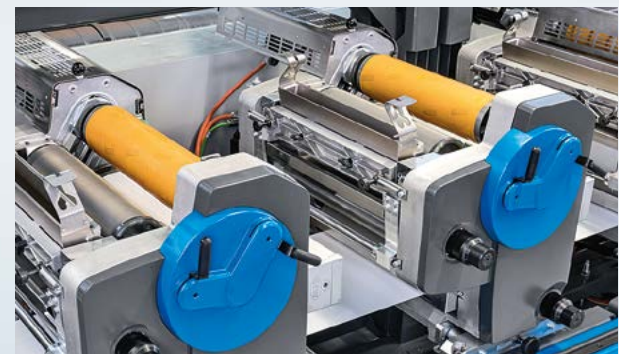


**The Gallus Labelmaster impresses with its unlimited flexibility. Thanks to the new platform design, virtually all customer-specific needs can be catered for.**



# FLEXIBILITY AND INDIVIDUALITY

**Flexibility is the ability to see a challenge as an opportunity and use it to optimum effect.**



## Tailor-made for any business model

The unique modularity of the Gallus Labelmaster meets all popular needs on the market, both now and in the future – from commodity labels to sophisticated, high-finish products.

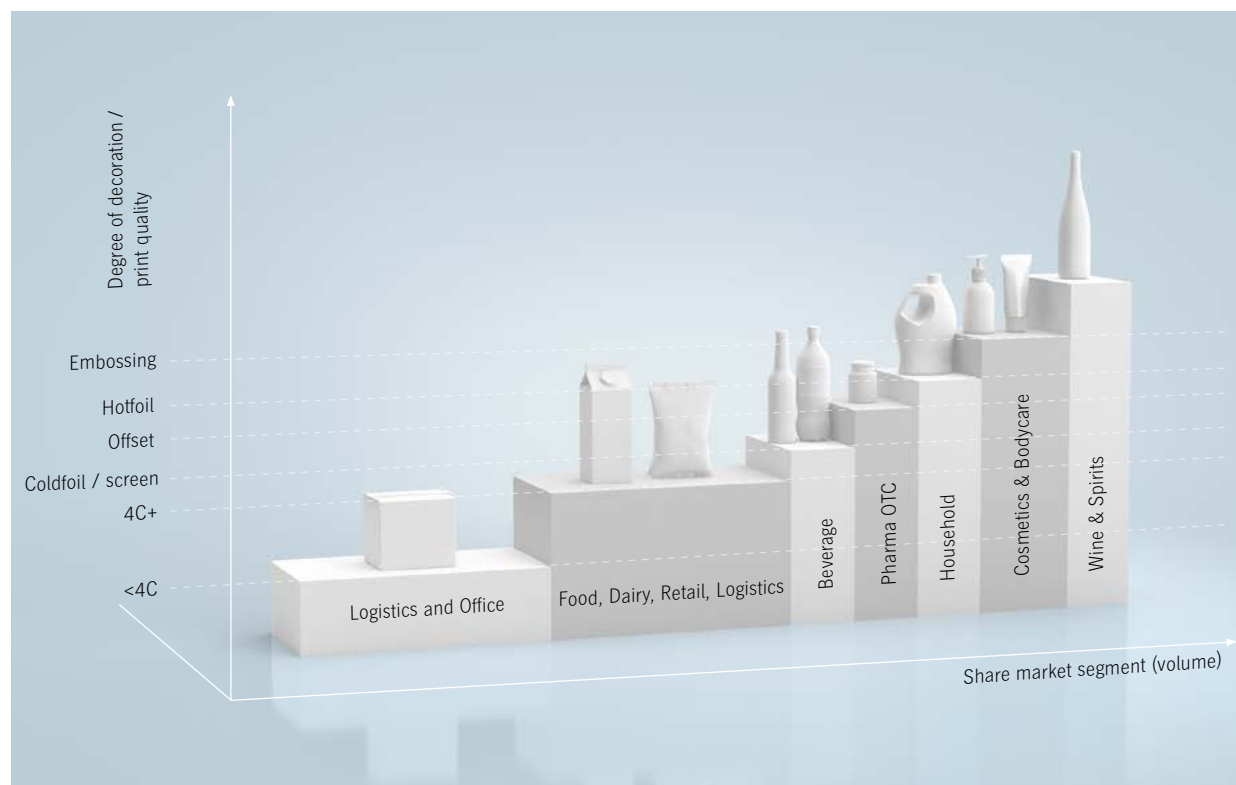
### Users can choose from a total of two model lines

#### Gallus Labelmaster

The basic version represents outstanding price-performance ratio with high flexibility. Optionally, this basic model offers a limited number of print process changes, fully integrated into the controller.

#### Gallus Labelmaster Advanced

Process variability at any position and a high level of automation ensure exceptional flexibility, because exchanges of the printing or finishing processes are possible at any position.



The Gallus Labelmaster makes it possible to meet almost all needs on the market, from common four colour up to high end embellished labels.



# EASY TO USE

**The most important aspect of easy operation is the time saved and thus the productive use of valuable capacity.**



## Easy in use – spectacular performance

While the Gallus Labelmaster features extensive modules, delivering a high level of flexibility, it nonetheless boasts intuitive and straightforward operation with automated presetting functions. All product lines are thus extremely easy to get to grips with. There is a clear focus on simplicity, speed and reliability – from quick and easy changes of the lightweight aluminium printing cylinders to fully integrated operation, whether it's via the user-friendly HMI touch panel or directly on the printing unit. At Gallus, we call this “best-spot interaction”.

### The resulting benefits

- Intuitive operating philosophy
- Easy to get to grips with
- Short setup times



The intuitive HMI touch panel is clearly designed and reinforces the user-friendliness of the Gallus Labelmaster.



Short setup times and fast job changes are assured, whether it's one person on the machine or several people working on it simultaneously.



The hallmarks of the new Gallus Labelmaster printing unit are its functionality and ease of use.



The ink chamber can be easily changed in just a few quick steps.

**It isn't easy to combine perfection and exceptionally high speed – yet this is exactly what sets Gallus apart with its innovative strength and decades of experience.**



**SPEED AND  
PERFORMANCE**

BEBOBWNVCE



## Ultra fast and ultra precise

The Gallus Labelmaster doesn't just impress with its flexibility but also thanks to its performance in production. This new machine platform handles even high printing speeds of up to 200 m/min with absolute register accuracy. An optimised ink chamber ensures perfect ink transfer to anilox rollers at all times with minimal splashing and reduced foaming.

### Further benefits for even greater profitability

- Fast job changes in just a few steps
- Easy changes of lightweight aluminium printing cylinders
- High printing speed
- Ink chamber optimised for high speeds



The newly developed flexographic printing unit of the Gallus Labelmaster supports extremely fast cylinder changes, enabling job changes within seconds.



The ink chamber is also designed for high printing speeds, thus reducing foaming and ensuring optimum ink transfer to the anilox rollers.

Automated printing cylinder washing greatly simplifies the cleaning process for printing plates.



Before



After

# MAXIMUM QUALITY

**Quality and brilliance are both  
the result of ultra precision.**



## New printing units – precise and efficient

With the new press platform, Gallus has also developed a new locking system that enables quick, easy and accurate changes of printing units\*. The system positions them on the base unit with absolute precision and ensures 100% register accuracy across a wide spectrum of substrates.



The Gallus Labelmaster also delivers maximum flexibility in selecting the substrates to be printed.

## Servo-driven printing cylinders

The Gallus Labelmaster's robust design makes it ideal for day-to-day industrial operations. Two servomotors in the flexographic printing unit drive both the printing cylinder and anilox roller, thus ensuring typical premium Gallus print quality. The newly designed screen printing unit also impresses with perfect high-end finishing.



The screen printing unit can be positioned on any module of the Gallus Labelmaster and thus becomes a fully integrated component of the machine system.



The lightweight aluminium printing cylinders are a completely new development by Gallus engineers.

\* only for Gallus Labelmaster Advanced modules

# Gallus Labelmaster

## The finest print quality

Whether the Gallus Labelmaster is running at a low setup speed or being accelerated to a maximum speed of up to 200 m/min, its printed image is always in register, thus underlining the new machine platform's unique quality and precision. Time-consuming corrections are not needed.



The Gallus Labelmaster is always in register, whatever the printing speed.



The manual feed of the printing cylinder is quick and easy to use.



Absolute precision and exceptionally robust – the new directly driven lightweight aluminium printing cylinders equipped with bearer rings.

### The Gallus Labelmaster – combining speed and simplicity with profitability

The Gallus Labelmaster also sets new standards in cost-effectiveness – from dramatic time savings, thanks to its ease of use and fast printing speed, to low waste and minimal material consumption. The Gallus Labelmaster impresses from the first print and makes label printing easier, faster and more profitable.

#### Easy

- Intuitive operation with HMI touch panel
- Can be configured to meet individual needs, depending on the model line
- Wide choice of substrates
- Lightweight and robust aluminium printing cylinders with bearer rings

#### Fast

- High printing speeds of up to 200 m/min
- Rapid job changes
- Short setup times
- Easy to get to grips with

#### Profitable

- Minimal paper waste thanks to extremely short web path (just 1.4 m)
- Precise and stable register accuracy
- Outstanding premium print quality with high-end finishing
- Optimum ink transfer to anilox rollers
- Low consumption of ink and substrates



Profitability also depends on the diameter of the printing cylinders – various sizes are available for the Gallus Labelmaster, ranging from 8" to 25".



The short web path of just 1.4 m between printing units is enough in itself to minimise waste.

# Flexibility in perfection

Extremely high printing speeds of up to 200 m/min

### The process levels of the Gallus Labelmaster

#### Secondary process level

Rail system for installing various processes (e.g. cold foil, lamination, web-turn mechanism)

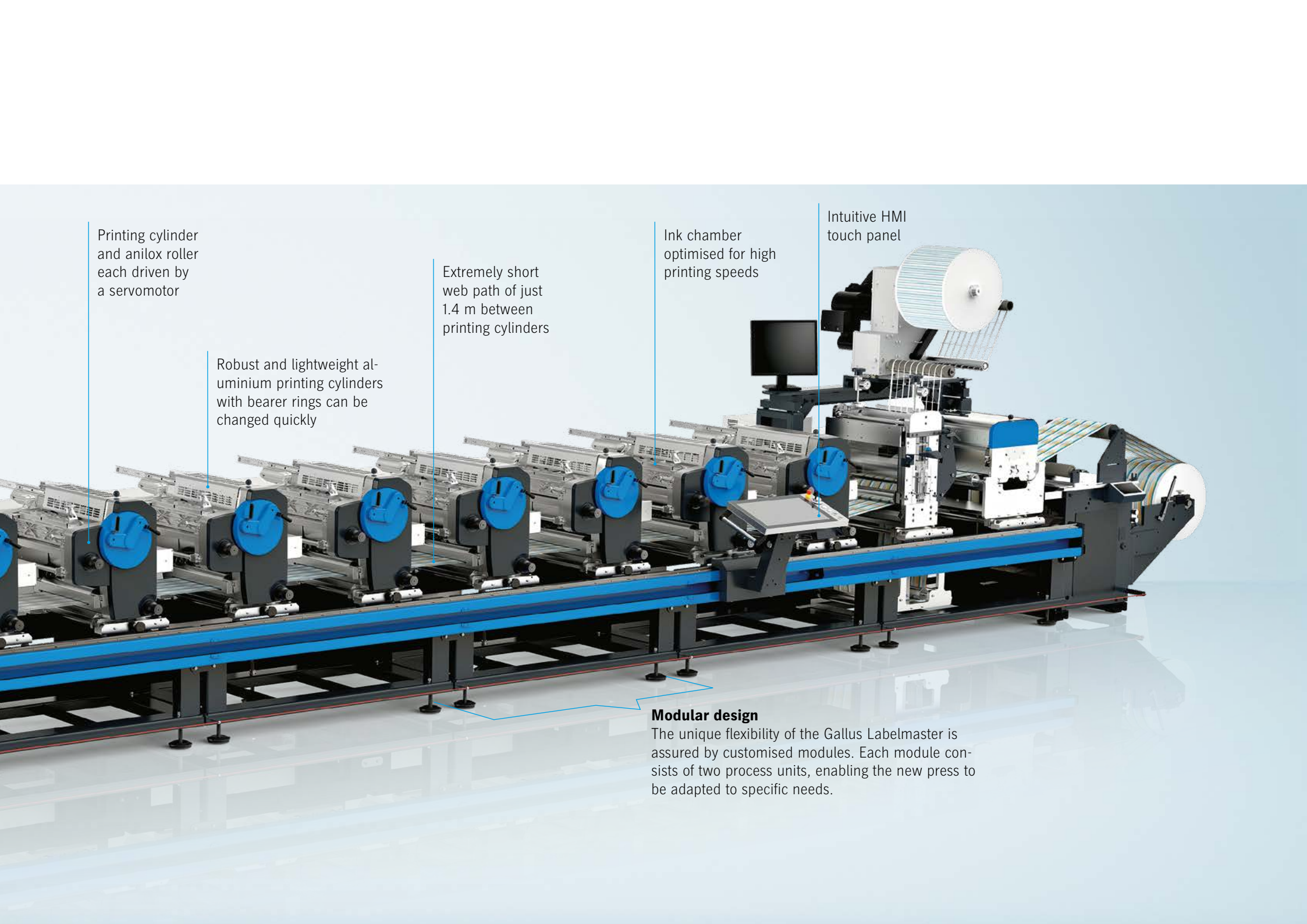
#### Primary process level

Comprises web pretreatment, printing, finishing and diecutting

#### Tertiary process level

Optional implementation of the varnish flow path, hot-air drying system and/or web-edge control system





Printing cylinder and anilox roller each driven by a servomotor

Robust and lightweight aluminium printing cylinders with bearer rings can be changed quickly

Extremely short web path of just 1.4 m between printing cylinders

Ink chamber optimised for high printing speeds

Intuitive HMI touch panel

### **Modular design**

The unique flexibility of the Gallus Labelmaster is assured by customised modules. Each module consists of two process units, enabling the new press to be adapted to specific needs.

# Gallus Labelmaster

## The model versions and their features

### Gallus Labelmaster

The economic and perfect entry-level model for label printing! This basic version of the printing platform consists of preconfigured modules and offers a unique price-performance ratio. Even the basic version of the Gallus Labelmaster offers a high degree of flexibility, because an optional print process change is available in every position.\*

\* limited to two process changes

### Gallus Labelmaster Advance

The Advanced line convinces with maximum flexibility and a high degree of automation. The standard integrated longitudinal and transverse register controls can be fully combined with all equipment features in this model line. The Gallus Labelmaster Advanced offers the highest level of process variability, meaning that the various printing and finishing units can be changed

quickly and easily by the operator in any position of the machine, in just a few minutes – flexibility in perfection!



The different printing processes can be changed at any position of the machine.



|                                   | Gallus Labelmaster | Gallus Labelmaster Advanced |
|-----------------------------------|--------------------|-----------------------------|
| <b>Process changes</b>            |                    |                             |
| Fix installed processes           | ●                  |                             |
| Changeover processes              | ○                  | ●                           |
| <b>Primary process level</b>      |                    |                             |
| Flexographic printing             | ●                  | ●                           |
| Rotary screen printing            | ○                  | ○                           |
| Hot foil embossing                | ○                  | ○                           |
| Rotary diecutting unit            | ●                  | ●                           |
| Rotary embossing unit             | ○                  | ○                           |
| Crosscutting unit                 | ○                  | ○                           |
| Sheet delivery                    | ○                  | ○                           |
| <b>Cross-adjustment</b>           |                    |                             |
| Manual                            | ●                  |                             |
| Motorised                         | ○                  | ●                           |
| <b>Automatic register control</b> |                    |                             |
| In direction of web travel        | ○                  | ●                           |
| In transverse direction           | ○                  | ●                           |
| Insetting                         | ○                  | ○                           |
| <b>Web conditioning</b>           |                    |                             |
| Web-cleaning system               | ○                  | ○                           |
| Corona treatment                  | ○                  | ○                           |

- Standard
- Optional

|                                | Gallus Labelmaster | Gallus Labelmaster Advanced |
|--------------------------------|--------------------|-----------------------------|
| <b>Ink drying</b>              |                    |                             |
| GEW E2C                        | ●                  | ●                           |
| GEW UV LED                     | ○                  | ○                           |
| GEW ArcLED Power Supply        | ○                  | ○                           |
| Alternative UV curing systems  | ○                  | ○                           |
| <b>Web video</b>               |                    |                             |
| Manual                         | ●                  |                             |
| Motorised                      | ○                  | ●                           |
| <b>Antistatic devices</b>      |                    |                             |
| Passive antistatic device      | ○                  | ○                           |
| Active antistatic device       | ○                  | ○                           |
| <b>Secondary process level</b> |                    |                             |
| Rail system                    | ○                  | ○                           |
| Cold foil                      | ○                  | ○                           |
| Lamination                     | ○                  | ○                           |
| Web-turn mechanism             | ○                  | ○                           |
| Reverse-side printing          | ○                  | ○                           |
| <b>Tertiary process level</b>  |                    |                             |
| Extended varnish flow path     | ○                  | ○                           |
| Hot-air final curing           | ○                  | ○                           |

# Gallus Labelmaster

## Technical data

| <b>Machine data</b>                  | <b>340</b>   |            | <b>440</b>   |            |
|--------------------------------------|--------------|------------|--------------|------------|
| Mechanical machine speed max.        | 200 m/min    | 656 ft/min | 200 m/min    | 656 ft/min |
| Max. web width                       | 345 mm       | 13.6"      | 445 mm       | 17.5"      |
| Min. web width                       | 170 mm       | 6.7"       | 220 mm       | 8.7"       |
| <b>Print</b>                         |              |            |              |            |
| Max. printing width                  | 340 mm       | 13.4"      | 440 mm       | 17.3"      |
| Max. format length                   | 635 mm       | 25"        | 635 mm       | 25"        |
| Min. format length                   | *1) 203.2 mm | 8"         | *1) 203.2 mm | 8"         |
| Max. number of print operations      | 14           |            | 14           |            |
| <b>Drying/curing</b>                 |              |            |              |            |
| UV                                   | ✓            |            | ✓            |            |
| Hot-air drying (final curing)        | ✓            |            | ✓            |            |
| <b>Processing</b>                    |              |            |              |            |
| Max. web width                       | 340 mm       | 13.4"      | 440 mm       | 17.3"      |
| Max. format length                   | 635 mm       | 25"        | 635 mm       | 25"        |
| Min. format length                   | 254 mm       | 10"        | 254 mm       | 10"        |
| Max. number of processing operations | 6            |            | 6            |            |
| Max. number of process positions     | 16           |            | 16           |            |
| <b>Substrates</b>                    |              |            |              |            |
| Self-adhesive materials              | ✓            |            | ✓            |            |
| Paper                                | ✓            |            | ✓            |            |
| Cardboard                            | ✓            |            | ✓            |            |
| Monofoil label materials             | ✓            |            | ✓            |            |
| Tube laminates                       | ✓            |            | ✓            |            |
| <b>Remote diagnosis</b>              |              |            |              |            |
| Gallus Remote Access                 | ✓            |            | ✓            |            |

All technical data represents approximate values. Technical data may vary depending on the machine configuration, job, web width, consumables, substrate and possibly other factors. Gallus reserves the right to make technical and other changes.

\*1) Screen from 10 5/8"



### Heidelberg and Gallus: a strong network with worldwide know-how

#### Optimum customer care worldwide

The declared goal of Gallus is to ensure the lasting success and production of its customers. The group achieves this goal by means of a unique service portfolio which it can offer thanks to a resolute focus on customer value, the continuing development of the machine systems and the extensive benefits of the Heidelberg service network. Gallus customers can rely on a competent, committed and thoughtful partner who accompanies it from the very first process step of the print order to the further processing of the finished product.

#### Our mission – service excellence

The mission of the Gallus group is to provide service excellence through outstanding performance, individual services offering value added and an uncompromising focus on the customer.

#### Gallus Rotascreen – simple integration for optimum results

Screen printing is an excellent option particularly when good coverage, precise detail and colour intensity are needed to obtain brilliant, high-quality images. The Gallus rotary screen printing units can be easily integrated into most Gallus machines. Printing systems using screen printing in combination with flexographic printing and hot foil embossing are supported alongside a variety of processing functions. The printing units can be easily replaced, which means that the machine system can be reconfigured for every printing job.



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