

# Gallus EM 260/340/410/510

With its unique platform design and practically unlimited combinations, this machine family offers maximum process and material flexibility. Customised machine configurations make it possible for labelprinters to open up new areas of application for cardboard, flexible packaging and monofoil labels (wraparound, inmold labels, shrink sleeves).

The "workhorse" for the production of medium to long runs based on a conventional drive concept.

## Features

The availability of more than 100 modules, with up to 24 stations, allows customised machine configurations. The open-interface architecture is designed to enable the integration of applications such as numbering equipment, inkjet systems, dispensing and hot-glue units, etc. A wide selection of printing processes and substrates can be handled. A mobile control panel with touchscreen provides maximum ease of use, with centralised and decentralised control; can be supplied with automatic register and inseting adjustment on request.

## Printing methods

Water-based (WB) and UV flexographic printing, rotary screen printing, hot foil embossing, cold foil printing, reverse-side printing, numbering. Finishing options including varnishing, lamination and embossing.

## Processing

Rotary and flatbed diecutting units, slitting and flatbed punching units, adaptor for special cutting-die assemblies.

## Strengths and areas of application

Multiweb: ability to feed different webs together in the machine. Insetting: pre-printed webs can be passed through the machine a second time with precision register control for printing and/or processing operations. Option for diversification (monomaterials such as plastics, aluminium and cardboard). The optional compact drive station offers an inexpensive alternative to the conventional drive for operating economical cutting and diecutting machines.



UV flexographic printing unit with Easy Change: minimum setup and changeover times and extremely easy to use.



Flexible combination of printing, processing and finishing over the entire length of the machine – can be changed in minutes without tools.



Increase attractiveness and protect products, while minimizing costs with the foil saving unit and optional hologram inseting.

## Technical specifications

| Machine system                                   | Gallus EM 260  |            | Gallus EM 340 |            | Gallus EM 410    |            | Gallus EM 510    |            |
|--|--|------------|---------------|------------|------------------|------------|------------------|------------|
| <b>Machine specifications</b>                    |  |            |               |            |                  |            |                  |            |
| Mechanical machine speed max.                    | 150 m/min.   | 492ft/min. | 150 m/min.    | 492ft/min. | 150 m/min.       | 492ft/min. | 150 m/min.       | 492ft/min. |
| Web width max.                                   | 258 mm   | 10.1"      | 343 mm        | 13.5"      | 413 mm           | 16 1/4"    | 516 mm           | 20 5/16"   |
| <b>Printing</b>                                  |  |            |               |            |                  |            |                  |            |
| Repeat length for flexographic printing max.     | 255 mm   | 10.2"      | 340 mm        | 13.4"      | 410 mm           | 16.1"      | 510 mm           | 20"        |
| Format length for flexographic printing max.     | 609.6 mm   | 24"        | 609.6 mm      | 24"        | 609.6 mm         | 24"        | 609.6 mm         | 24"        |
| Format length for flexographic printing min.     | 228.6 mm   | 9"         | 228.6 mm      | 9"         | 228.6 mm         | 9"         | 228.6 mm         | 9"         |
| Format length for rotary screen printing max.    | 533.4 mm   | 21"        | 533.4 mm      | 21"        | 533.4 mm         | 21"        | 533.4 mm         | 21"        |
| Format length for rotary screen printing min.    | 269.9 mm   | 10 5/8"    | 269.9 mm      | 10 5/8"    | 269.9 mm         | 10 5/8"    | 304.8 mm         | 12"        |
| Repeat length for hot foil stamping max.         | 533.4 mm   | 21"        | 533.4 mm      | 21" *2)    | 609.6 mm         | 24"        | 609.6 mm         | 24"        |
| Format length for hot foil embossing min.        | 225.4 mm   | 8 7/8"     | 254 mm        | 10"        | 254 mm           | 10"        | 374.65 mm        | 14 3/4"    |
| Format length increment *1)                      | 3.175 mm   | 1/8"       | 3.175 mm      | 1/8"       | 3.175 mm         | 1/8"       | 3.175 mm         | 1/8"       |
| <b>Drying</b>                                    |  |            |               |            |                  |            |                  |            |
| UV   | ✓  |            | ✓             |            | ✓                |            | ✓                |            |
| Hot-air drying                                   | ✓  |            | ✓             |            | ✓                |            | ✓                |            |
| <b>Flatbed processing</b>                        |  |            |               |            |                  |            |                  |            |
| Processing width max.                            | 255 mm   | 10"        | –             |            | 410 mm           | 16.1"      | 410 mm           | 16.1"      |
| Format length max.                               | 304.8 mm   | 12"        | –             |            | 304.8 mm         | 12"        | 304.8 mm         | 12"        |
| Format length min.                               | 152.4 mm   | 6"         | –             |            | 152.4 mm         | 6"         | 152.4 mm         | 6"         |
| Format length increment                          | 1.587 mm   | 1/16"      | –             |            | 1.587 mm         | 1/16"      | 1.587 mm         | 1/16"      |
| Diecutting max.                                  | 280 strokes/min.   |            | –             |            | 280 strokes/min. |            | 280 strokes/min. |            |
| <b>Rotary processing</b>                         |  |            |               |            |                  |            |                  |            |
| Processing width max.                            | 255 mm   | 10"        | 340 mm        | 13.4"      | 410 mm           | 16.1"      | 508 mm           | 20"        |
| Format length max.                               | 609.6 mm   | 24"        | 609.6 mm      | 24"        | 609.6 mm         | 24"        | 609.6 mm         | 24"        |
| Format length min. (magnetic cylinder)           | 254 mm   | 10"        | 254 mm        | 10"        | 304.8 mm         | 12"        | 381 mm           | 15"        |
| Format length increment *1)                      | 3.175 mm   | 1/8"       | 3.175 mm      | 1/8"       | 3.175 mm         | 1/8"       | 3.175 mm         | 1/8"       |
| Total number of operations max.                  | 24   |            | 24            |            | 24               |            | 24               |            |
| <b>Substrates</b>                                |  |            |               |            |                  |            |                  |            |
| PS materials                                     | standard   |            |               |            |                  |            |                  |            |
| Paper  | from approx. 60 g/m <sup>2</sup>   |            |               |            |                  |            |                  |            |
| Cardboard  | up to approx. 300 g/m <sup>2</sup><br>at max. 0.45 mm (0.018") thickness |            |               |            |                  |            |                  |            |
| Monofoil label materials                         | on request   |            |               |            |                  |            |                  |            |
| Special substrates                               | on request   |            |               |            |                  |            |                  |            |
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\*1) Other format length increments on request

\*2) Depending on the hot foil embossing unit used

