

Gallus EM 340/430/510 S

The Gallus EM 340/430/510 S can be used to produce self-adhesive and monofoil labels, as well as a wide range of other products. A state-of-the-art servo-driven web-feed system ensures optimum cost-effectiveness and superb quality results. Combined with the unique platform concept and the consistent modular design, these machines are a secure investment in your success – both now and in the future.

Exceptional range of processes and substrates for the production of short to long runs – with or without finishing.

Features

Modularity and the platform concept form the basis for maximising process flexibility and the number of combinations available. This also applies to subsequent add-on requirements. The servo-driven hybrid flexographic and screen printing units, with front loading of printing cylinder and anilox roller sleeves, combined with pre-setting functions, simplify working processes and also reduce setup and changeover times to a minimum. A sliding control panel with touchscreen and user-friendly menu navigation enhances ease of use and ensures maximum production reliability.

Printing methods

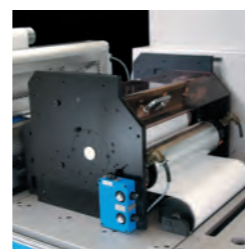
Hybrid printing unit for water-based (WB) and UV flexographic printing (front and reverse sides) and rotary screen printing in combination with hot foil embossing and cold foil printing. Finishing options, including coating (varnishing) and lamination.

Processing

Rotary processing, slitting and crosscutting, relief embossing.

Strengths and areas of application

Inline printing and processing of self-adhesive labels made from paper and plastic (PE, OPP, etc.), as well as monofoil labels such as wraparound, inmold and shrink sleeves made from OPP and PET, flexible packaging and a wide range of other applications. The minimum setup and changeover times ensure that even short and medium-sized runs are cost-effective. Process changeover from flexographic to screen printing without needing to separate the web.



State-of-the-art servo drive technology for the printing cylinder and web feed system ensures optimum cost-effectiveness and substrate flexibility.



Total information system: The sliding control panel with touchscreen and user-friendly menu navigation.



Sleeve technology for printing cylinders and anilox rollers ensures minimum setup and changeover times in flexographic printing. The chambered doctor blade is standard, making ink changes child's play.

Technical specifications

Machine system	Gallus EM 340 S		Gallus EM 430 S		Gallus EM 510 S	
Machine specifications						
Mechanical machine speed max.	150 m/min	492ft/min.	150 m/min.	492ft/min.	150 m/min.	492ft/min.
Web width max.	343 mm	13.5"	435 mm	17.1"	516 mm	20 5/16"
Printing						
Print width for flexographic/screen printing max.	340 mm	13.4"	430 mm	17"	510 mm	20"
Format length for flexographic printing max.	660.4 mm	26"	660.4 mm	26"	660.4 mm	26"
Format length for flexographic printing min.	304.8 mm	*1)12"	304.8 mm	*1) 12"	304.8 mm	*1) 12"
Format length for rotary screen printing max.	660.4 mm	26"	660.4 mm	26"	660.4 mm	26"
Format length for rotary screen printing min.	304.8 mm	12"	304.8 mm	12"	304.8 mm	12"
Format length for hot foil embossing max.	660.4 mm	*2)26"	660.4 mm	*2)26"	660.4 mm	*2)26"
Format length for hot foil embossing min.	254 mm	10"	254 mm	10"	374.65 mm	14"
Format length increment *3)	3.175 mm	1/8"	3.175 mm	1/8"	3.175 mm	1/8"
Number of print operations	12		12		12	
Drying						
UV	✓		✓		✓	
Hot-air drying	✓		✓		✓	
Rotary processing						
Processing width max.	340 mm	13.4"	430 mm	17"	510 mm	20"
Format length max.	660.4 mm	26"	660.4 mm	26"	660.4 mm	26"
Format length min. (magnetic cylinder)	254 mm	10"	304.8 mm	12"	381 mm	15"
Format length increment *2)	3.175 mm	1/8"	3.175 mm	1/8"	3.175 mm	1/8"
Total number of operations max.	24		24		24	
Substrates						
PS materials	standard					
Paper	from approx. 60 g/m ²					
Cardboard	up to approx. 300 g/m ² at max. 0.45 mm (0.018") thickness					
Monofoil label materials	on request					
Special substrates	on request					
Remote diagnosis						
HEIRES access	✓		✓		✓	
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*1) 254 mm/10" on request

*2) Depending on the hot foil embossing unit used

*3) Other format length increments on request

