HEIDELBERG

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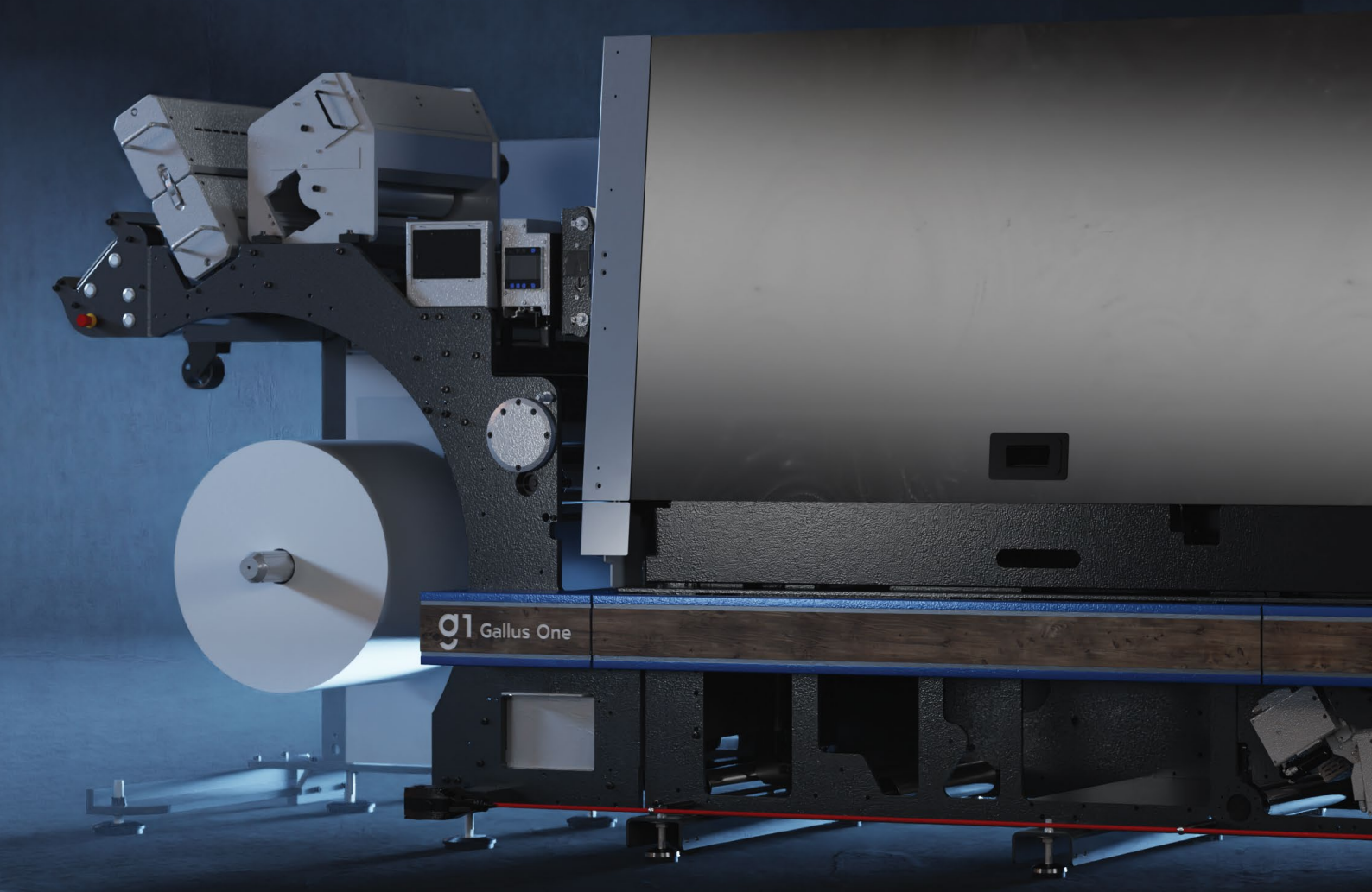
g1 Gallus One

All-in-one digital inkjet label solution



Removing the TCO Barrier.
Gallus One.

Utilizing one hundred years of label expertise and sophisticated engineering, Gallus One offers a complete digital label solution, including all the software and hardware necessary to produce high quality, profitable digital labels.

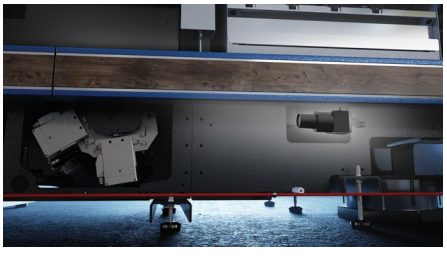
The Gallus One has been specifically designed to remove the Total Cost of Ownership (TCO) barrier for the adoption of reel-to-reel digital labels with the highest level of automation and cloud-based technologies. In doing so, it provides brands, for the first time, with access to cost effective and sustainable, high quality digital labels.

Over the last few years, cloud technologies have positively impacted many industries around the world, accelerating productivity and driving sustainable and successful futures. With cloud capabilities in-built within Gallus One, you can not only enjoy remote set-up, but transparent performance monitoring and standardization across your press portfolio and manufacturing sites.

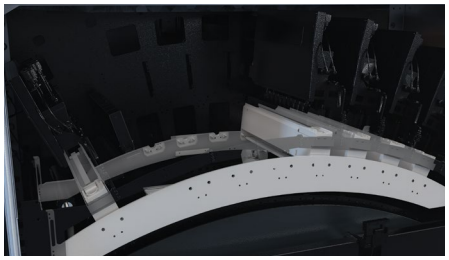
Offering all the familiarity benefits of a Labelmaster, Gallus One is a complete solution – not just a standalone print engine. Within the new Gallus One ecosystem, users have state of the art inkjet technology, a new Gallus One ink set, sophisticated workflow software and a new predictive press monitoring service to ensure minimum press downtime. All of these elements work in harmony, enabling an increase in press efficiency and productivity.

Scan here to learn how you can compose your print masterpiece with Gallus One

Human Machine Interface (HMI) is designed to summarize important information at a glance. For quality assurance, the print results can be checked live, via web video, or while the press is running.



Vision System ensures supreme print quality at all speeds and on a wide range of substrate with live visual checks. The system automatically compensates missing nozzles and density variations.



Ultrasonic Cleaning System minimizes downtime and improves productivity with consistent cleaning process for improved print quality and minimizing the need for manual cleaning, increasing press availability.

A complete solution.
Gallus Ecosystem.

The Gallus One is based not only on the latest cutting-edge technology, but also on the proven platform and components of the Gallus Labelmaster Series – with hundreds of units in the field – as well as key elements from the market leading Gallus Labelfire 340, 1200 dpi printing press.

Increased Workflow with Prinect®

Gallus One and all its key systems have been designed to operate seamlessly together. Overall operation and control of the press is achieved by using Prinect, which is both very intuitive and transparent – further ensuring maximum press efficiency and productivity. For additional flexibility, Prinect is also compatible with all other third-party workflow systems, so no need to change solutions depending on your existing set-up.

- Best in Class Color Management to create ISO profiles
- Color Center: Streamlined, efficient and automated quality assurance. Transparent documentation for ultimate production reliability
- Calculate ink usage offline and in advance, for precise order processing and better business planning – also remotely via VPN

High Performance Ink

The high performance Gallus One ink, developed by HEIDELBERG®, is designed to deliver vibrant colors and increased stability and reliability – delivered quickly from a global organization with facilities in USA, Hong Kong and Japan.

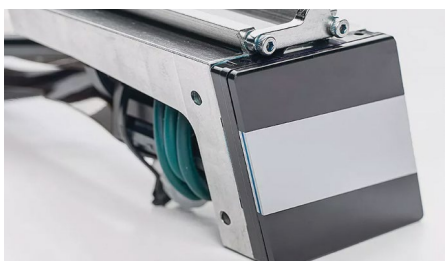
Predictive System Management

Identifying potential problems before they occur, is one of the Gallus One's most important features – further safeguarding our market leading productivity. Utilizing cloud capabilities, the press communicates performance status as well as maintenance issues to the Gallus® HelpDesk, which then ensures a prompt response as necessary.

- Reliable and continuous operation
- Less downtime and stoppages
- Scheduled maintenance
- Strict compliance with EU Data Protection Regulation, no personal data or order content is shared

Highly Automated Inkjet Technology

The Gallus One employs highly automated inkjet technology, that ensures precise ink application with high process stability. This enables the delivery of market leading print quality and reliability, all at high speeds, offering the maximum control over all process steps.



Print Heads, which are unique specifically to the Gallus One, are firmly attached to the machine – significantly increasing print quality.

Automatic Splice Detection on the Gallus One automatically detect splices, letting them pass all print bars without loss of register and speed. This results in minimized waste and increased uptime.

Improved Ink Handling features a newly designed ink management system that streamlines ink replacement, which is easily accessible from the operator's side allowing ink replacement without contamination.

New digital opportunities for **label & packaging production.**

Colors	Speed	Native print resolution	Print widths
CMYKOV + White	70 m/min 230 ft/min	1200x1200 dpi	340 mm/13 in 430 mm/17 in

Elevate your business with HEIDELBERG Gallus. **Get in touch with us.**

Together with its Gallus brand, HEIDELBERG offers digital and conventional solutions for label printers in a growing market.

If you are interested in the **Gallus One** or would like to learn more about what we can offer, feel free to get in touch with our experts. We're only ever an e-mail or phone call away.

Reach us by email

info@heidelberg.com

or use our contact form at

heidelberg.com/us/gallus-one

Please find the phone numbers of your local sales organization here:

heidelberg.com/contact

Technical information.

Technical Data	
Printing speed (CMYKOV + white)	Max: 70 m/min (230 ft/min), Min: 30 m/min (98.5 ft/min)
Printing width	340 mm (13.39 in), 430 mm (16.93 in)
Reel width	345 mm (13.58 in), 445 mm (17.52 in)
Productivity	1,428 m^2/h (15,370 ft^2/h), 1,806 m^2/h (19,420 ft^2/h)
Standard equipped with	Splice control, Teknek web cleaner, Corona, Anti-static system
Substrates	Monofilm, paper, and compound materials (30–300 µm)
Digital Print Unit	
Printing method	UV Piezo DoD – Inkjet
Print resolution	1200x1200 dpi native at 2 pL drop size, optical resolution approx. 2400x2400, Fujifilm Dimatix Samba Heads
Colors	Cyan, Magenta, Yellow, Black, Orange, Violet HEIDELBERG Saphira® Digital UV ink
White (optional)	85% opacity at 70 m/min (230 ft/min)
Digital Print Control	Automatic nozzle error detection and compensation/density unevenness detection and compensation
Ink loading	From front/operator side
Automatic head cleaning system	Contact free; additional ultrasonic cleaning system for intensive cleaning
Vision system	Automatic visualization of the print image on the HMI
Industrial variable data (iVDP)	Short time to market, seasonal promotions, versioning, individualization, full VDP upgrade available
Insetting (optional)	precise imprinting of pre-printed substrates
Camera – Vision Automated Ink Control	Missing nozzle, density unevenness, register control
Digital Register Automatic	For all colors
Pinning and curing	Drop freeze pinning LED after each color with UV curing
Substrate qualification	Automatic inline qualification (100% system-supported)
Prinect Workflow	
Installation	Onsite or cloud-based
Digital Frontend (DFE)	Server/Client architecture includes 3 x Prinect cockpits
Server	Hardware or virtualized
Ink consumption	Precalculation in Prinect
Connections	
USA & Canada	400 V/60 Hz (separate power supply for cooling unit) + UV
Basic configuration: Connection power	3P+PE; Base machine 50A+GEW drying unit 30A + DPU 24A. A transformer is required to connect Base Machine 50A and DPU 24A; GEW drying unit & cooling unit are connected directly to the customer's power grid
Compressed air	6 bar, oil and water free
Exhaust air: Roll to roll	1100 m^3/h (exhaust temperature max. 50°C/ozone output during operation)
Compliance	CE, GS
Network connections	Remote Support – Secomea for remote support, Prinect, GEW support
Cooling system	Air for UV lamp heads, air for pinning
Water	Water for electronics and web (closed chilling system), water for electronic and web chill roller
Room temperature	20–25°C (68–77°F)
Humidity (rel.)	40–60%
Air pressure (location)	700–1060 mbar (10.5–15.37 lb/sq. in)
Footprint Dimensions	
Length	6332 mm (250 in)
Width	1,760 mm (70 in), with cabinet: 3351 mm (132 in)
Height	1,857 mm (74 in), with exhaust air duct: 2951 mm (117 in)
Workspace Dimensions	
Infeed, Front, Delivery	1,500 mm (59 in)
Back	1,00 mm (39 in)
Floor	
Evenness	Flatness of ±2 cm over a length of 10 m
Floor load	Load carrying capacity of 1,600 kg/m^2–2.2757 psi

All technical data and descriptions are without guarantee, non-binding, and subject to change without notice.

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