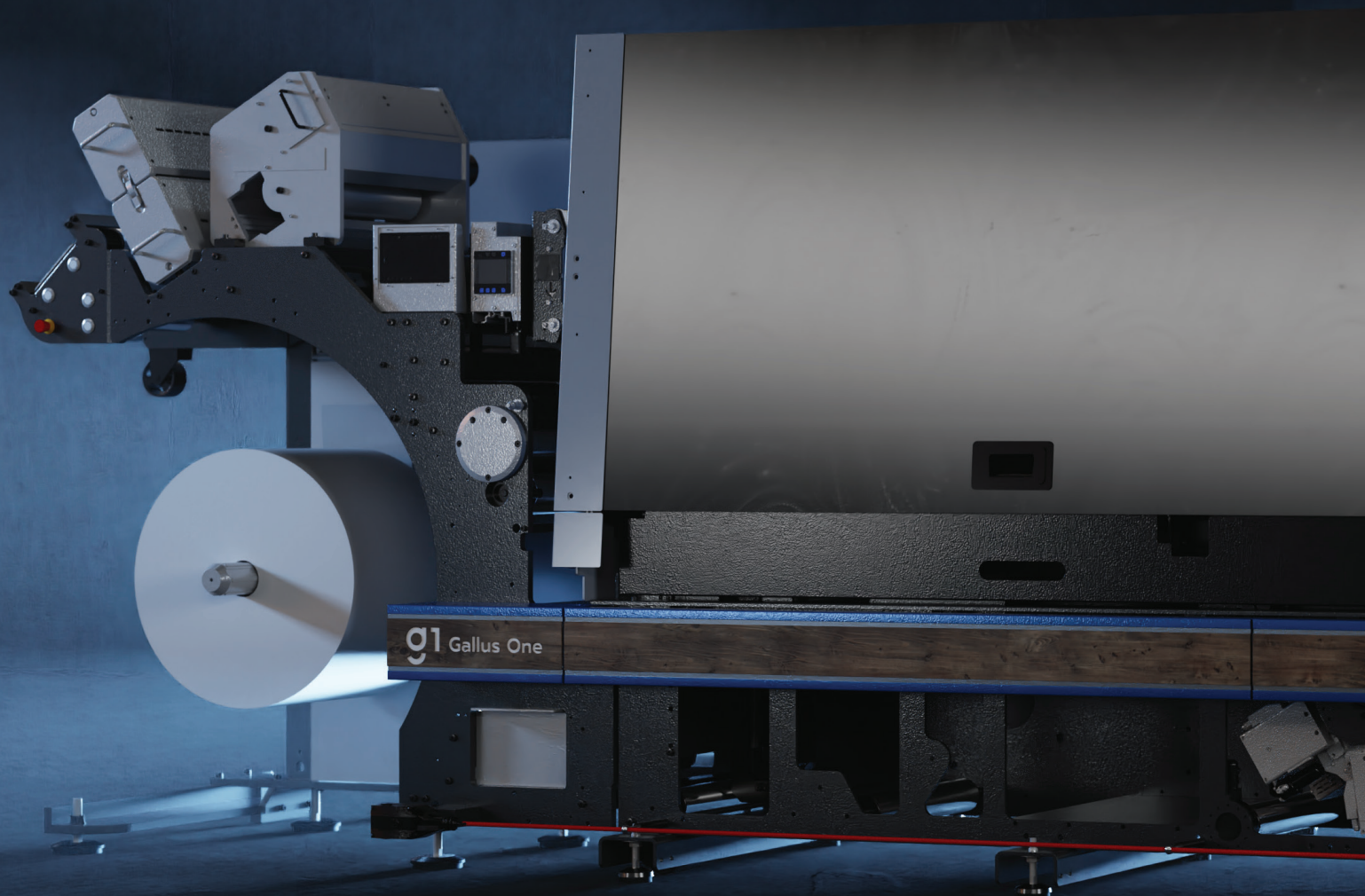


g1 Gallus One

Driving digital label transformation



HEIDELBERG

gallus
A HEIDELBERG GROUP COMPANY

Technical information.

Technical Data	
Printing speed (CMYK)	Max: 70 m/min (230 ft/min), Min: 30 m/min (98.5 ft/min)
Printing speed (CMYK + white)	70 m/min plus White at 85% opacity (230 ft/min)
Printing width	Max. 340 mm (13 ^{3/8} in)
Productivity	Max. printing area 1,428 m ² /h (15,370 ft ² /h)
Standard equipped with	Splice control, Teknek web cleaner, Active web cleaner (suction system), Corona, Anti-static system, Insetting
Supported Substrates	
Self-adhesive substrate (PSL), Paper face stock (white and metallic)	50–300 µm
PET	30–150 µm
BOPP, PP, OPP (temperature sensitive)	30–200 µm
Digital Print Unit	
Digital inkjet printing	1200 x 1200 dpi native at 2 pl drop size, optical resolution approx. 2400 x 2400, Fujiifilm Dimatix Samba Heads
Ink	HEIDELBERG UV ink
Colors	CMYK (standard), White (optional)
Ink loading	From front/operator side
Automatic head cleaning system	Contact free; additional ultrasonic cleaning system for intensive cleaning
Vision system	View of print layout on the HMI
Industrial variable data (iVDP)	Short time to market, seasonal promotions, versioning, individualization
Camera – Vision Automated Ink Control	Missing nozzle, density unevenness, register control
Digital Register Automatic	For all colors
Pinning and curing	Drop freeze pinning LED with UV curing
Substrate qualification	Automatic inline qualification (100% system-supported)
Workflow	
Installation	Onsite or cloud-based
Digital Frontend (DFE)	Server/Client architecture includes 3 x Prinect cockpits
Server	Hardware or virtualized
Pre- and post-calculation	Ink consumption
Connections	
USA & Canada	480 V/60 hz (separate power supply for cooling unit)
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	1100 m ³ /h (exhaust temperature max. 50°C/ozone output during operation)
Compliance	CE, GS (UL on request)
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 (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 & Delivery	1,000 mm (39.37 in)
Front	1,500 mm (59 in)
Back	0 mm (0 in)
Floor	
Evenness	Flatness of ±1 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.

Removing the TCO Barrier. Gallus One.

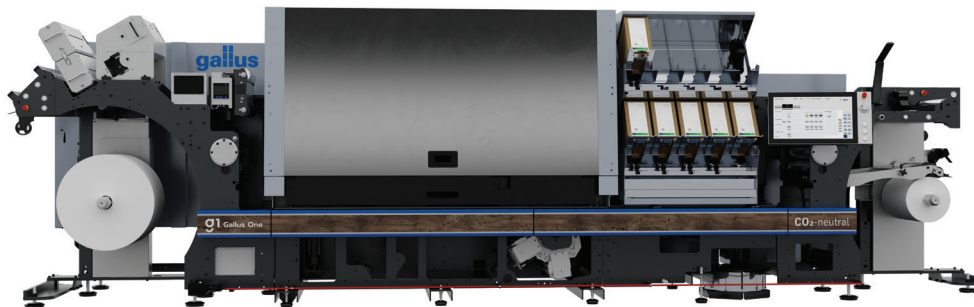
Utilizing one hundred years of label expertise and sophisticated engineering, Gallus One offers a complete digital label solution, including all the software and hardware necessary to produce high quality, profitable digital labels.

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.

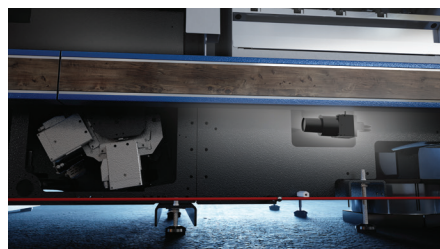
Over the last few years, cloud technologies have positively impacted many industries around the world, accelerating productivity and driving sustainable and successful futures. With cloud capabilities in-built within Gallus One, you can not only enjoy remote set-up, but transparent performance monitoring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

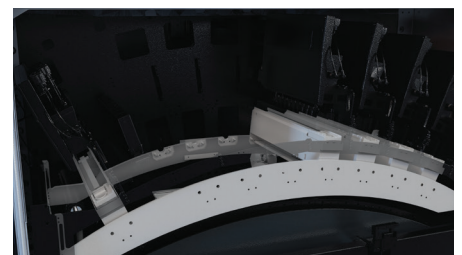
➔ gallus-one.com



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 One ecosystem.

The Gallus One is based not only on new latest cutting-edge technologies, 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.

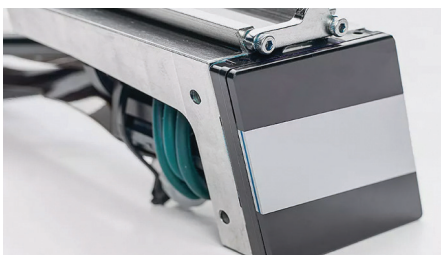
Predictive System Management

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.



Printheads, 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.

Entry level model for packaging production.

Colors
CMYK + White

Speed
70 m/min
230 ft/min

Native print resolution
1200x1200 dpi

Print width
340 mm
13^{3/8} in

Productivity
1,428 m²/h
15,370 ft²/h

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

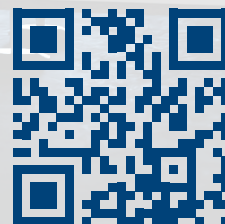
➔ info@heidelberg.com

or use our contact form at

➔ gallus-one.com

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

➔ heidelberg.com/contact



Publishing information

Heidelberg USA, Inc.
1000 Gutenberg Drive
Kennesaw, GA 30144
United States
Phone +1 (800) 437-7388
info@heidelberg.com
Further details at:
heidelberg.com/us

Heidelberg Canada Graphic
Equipment Limited
5900 Keaton Crescent
Mississauga, ON L5R 3K2
Canada
Phone +1 (800) 363-4800
ca.customerservice@heidelberg.com
Further details at:
heidelberg.com/ca

Gallus Ferd Rüesch AG.
Harzbüchelstrasse 34
9016 St. Gallen
Switzerland
Phone +41 71 242 86 86
info@gallus-group.com
Further details at:
gallus-group.com

Production note

Photos: Gallus Ferd. Rüesch AG
Printing: Versafire LP
Finishing: POLAR N 78 Plus
Printed in United States

Trademarks

HEIDELBERG, the HEIDELBERG logotype, and Prinect are registered trademarks of Heidelberger Druckmaschinen AG in the U.S. and other countries. All other trademarks are property of their respective owners.

Liability for contents

The contents of this brochure have been prepared with great care. No warranty or liability is accepted for the correctness, completeness, or accuracy of the information. There is no guarantee or warranty that the customer will be able to achieve the values and numbers (e.g. relating to the function and performance of the machine and the software) specified in the brochure. The information provided is based on ideal conditions and proper use of the machine and the software. Achieving these values and numbers depends on a variety of factors and circumstances that are outside the control of HEIDELBERG (e.g. machine settings, technical conditions, ambient conditions, raw materials and supplies used, consumables used, standard of care and maintenance of the machine, expertise of the operator, meeting the respective system requirements, etc.).

Version Sept 2023