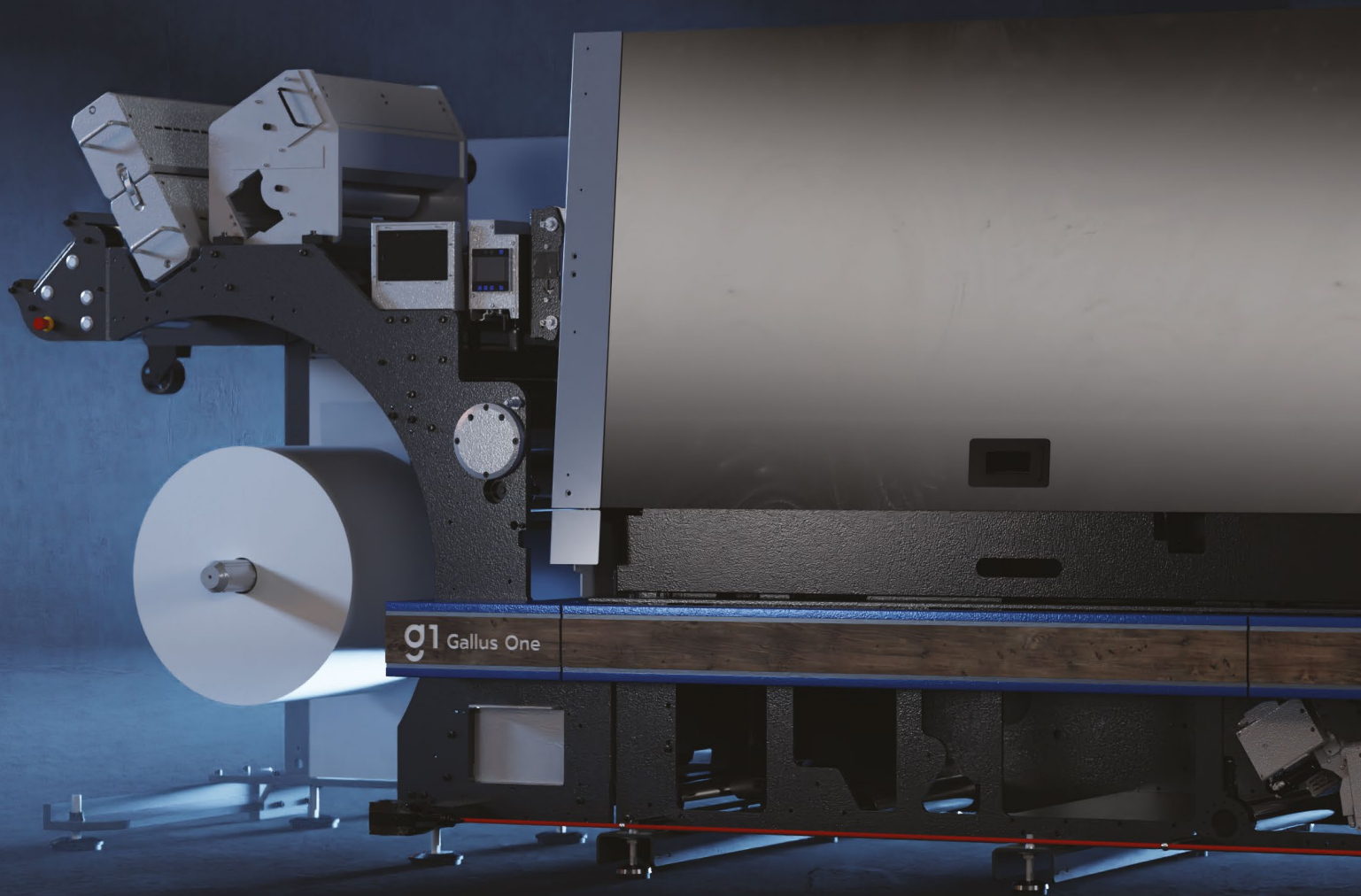# g1 Gallus One

Driving digital label transformation

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 digital labels with the highest level of automation and cloud-based technologies. In doing so, it provides brands with access to cost effective and sustainable, high quality digital labels.
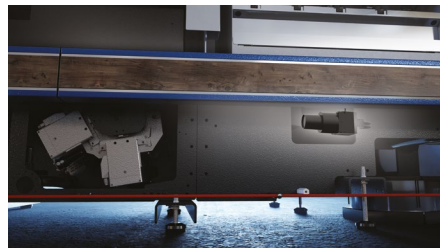
Many industries have benefited from cloud technologies in recent years. They increase productivity and pave the way to a more sustainable, successful future. With built-in cloud capabilities within Gallus One ecosystem, you can not only enjoy remote set-up, but transparent performance monitoring and standardization across your press portfolio and manufacturing sites.

Offering all the familiar benefits and proven processing units of the Gallus Labelmaster, Gallus One is a complete solution – not just a standalone print engine. Within the Gallus One ecosystem, users have state of the art inkjet technology, a Gallus high-performance ink set, sophisticated workflow software and predictive press monitoring service to ensure maximum press uptime. All of these elements work in harmony, enabling an increase in press efficiency and productivity.
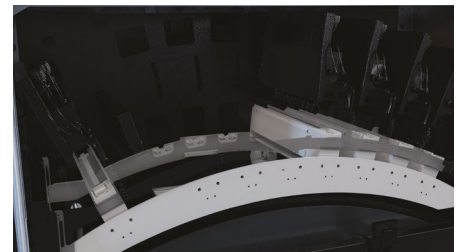
→ gallus-one.com

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

Vision system: Ensures the highest print quality at any print speed and for a wide range of substrates by inspecting and compensating for nozzle failures and density fluctuations.

Ultrasonic Cleaning System: Reduces the need for manual cleaning, the standardized cleaning minimizes downtime and increases productivity.

A complete solution.
Gallus One ecosystem.

The Gallus One is based not only on latest cutting-edge technologies, but also on the proven platform and components of the Gallus Labelmaster Series – with hundreds of units in the field.

Increased workflow efficiency

With Gallus One, the press and all its key systems have been designed to operate seamlessly together. With Prinect®, you can ensure maximum press efficiency and productivity. It is also compatible with any other third-party workflow system.

- Best in Class Color Management to create color profiles
- Prinect Color Center: 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

High performance ink

The high performance Gallus One ink, developed by HEIDELBERG®, is designed to deliver constant vibrant colors and high opacity white - delivered quickly from a global organization with facilities in Germany, the 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 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
- Increased uptime and availability
- 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. Each individual process step can be controlled. 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: A significantly higher print quality is achieved with the machine thanks to the fixed print bars.

Automatic splice detection: The Gallus One automatically detects splices, letting them pass all print bars without loss of register and speed.

Optimised ink management: The redesigned ink management system with operator access speeds up and simplifies replacement of ink containers without any risk of contamination.

Technical information.

Technical data

Printing speed	max. 70 m/min. (230 ft/min)
Printing width	340 mm (13.39 in), 430 mm (16.93 in)
Productivity max. printing area	1428 m²/h (15.37 ft²/h), 1806 m²/h (19.42 ft²/h)
Reel width	max. 345 mm (13.58 in), 445 mm (17.52 in)
Splice detection	automatic
Teknek web cleaner	single-sided
Corona	front side
Antistatic system	contact-free
Substrates	monofilm, paper and compound materials
CO₂ compensated	yes

Digital printing unit

Printing method	UV Piezo DoD – Inkjet
Print resolution	1200 × 1200 dpi native at 2 pl drop size, optical resolution approx. 2400 × 2400 dpi
Colors	CMYK (Cyan/Magenta/Yellow/Black), Orange & Violet
White (optional)	85 % opacity at 70 m/min.
Pinning	UV-LED air-cooled
Automatic cleaning system	contact-free; additional ultrasonic cleaning system for intense cleaning
Vision system	automatic visualisation of the print image on the HMI
Digital Print Control	automatic nozzle error detection and compensation/density unevenness detection and compensation
Substrate qualification	automatic inline qualification (100% system-supported)
Automatic digital register	for all colors
Variable Date Printing	Industrial Variable Data (iVDP) included, Full VDP optional
Insetting	precise imprinting of pre-printed substrates

Workflow

Installation	on-site or cloud-based
Digital Front End (DFE)	server/client architecture
Server	hardware or virtualised
Ink consumption	pre-calculation

Connections

Voltage	380-415V / 50 Hz [USA, CAN, MX optional: 480 V / 60 Hz]
Connection power	Depending on machine configuration
Compressed air	6 bar, oil and water free
Exhaust air	Depending on machine configuration
Compliance	CE, GS (UL on request)
Network connections	Secomea for remote support, Heidelberg Prinect & GEW
Cooling system	Air for UV lamp heads, air for pinnings Water for electronics and web (chill roller)
Room temperature	20–25°C or 68–77°F
Humidity (rel.)	40–60%
Air pressure (location)	700–1060 mbar or 10.5–15.37 PSI

Footprint Dimensions (all-digital machine)

Length	6332 mm/250 in
Width	1760 mm/70 in, with cabinet: 3351 mm/132 in
Height	1857 mm/74 in, with exhaust air duct: 2951 mm/117 in

Workspace Dimensions

Infeed	1500 mm/59 in
Delivery	1500 mm/59 in
Front	1500 mm/59 in
Back	1000 mm/39 in

Floor

Evenness	Flatness of ±2 cm over a length of 10 m
Floor load	Load carrying capacity of 1,600 kg/m²–2.2757 psi

All technical data, descriptions, and illustrations are without guarantee, not binding, and subject to change without notice.

Entry level model for packaging production.

Colors	Speed	Native print resolution	Print width
CMYK, OV + White	70 m/min	1200x1200 dpi	340 / 430 mm

Elevate your business with 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 contact us. We are just an e-mail or phone call away.
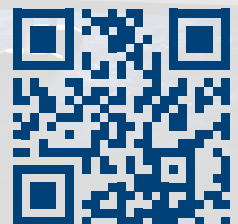
Reach us by email

➔ **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**