

# Gx-OEM – Clean. Clear. Coding.

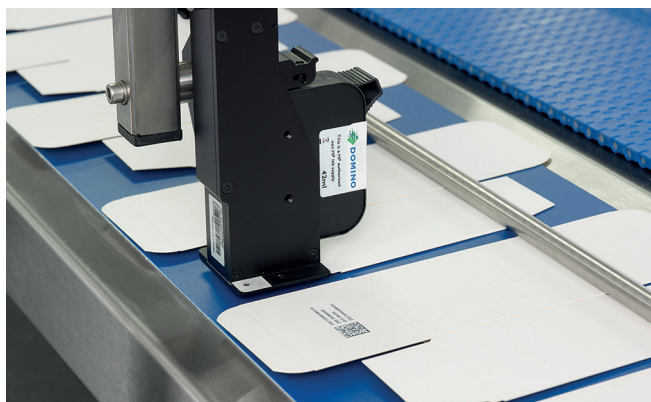


The Gx-OEM printer is a fit and forget Thermal Ink Jet (TIJ) solution that integrates seamlessly with packaging machinery; it is designed to be fitted into control cabinets. All operation, label creation, and editing can be done on-board via the user's HMI. The small printheads easily fit on production lines and can be mounted up to 25m from the controller.



## Easy to integrate

- ◆ Optimised for control cabinets the Gx-OEM controller is only 6.4x20x15.9cm.
- ◆ Fieldbus options like EtherCAT and Ethernet/IP: fast data transfer, integration with PLCs and precise synchronisation for motion control systems.
- ◆ Track & trace and item level serialisation via Dynamark protocol: 21 CFR Part 11 compliant, audit trail with comprehensive user administration, validation documentation available.



## Easy to operate

- ◆ Easy remote operation and monitoring via web browser.
- ◆ Automatic cartridge recognition and ink parameter setting.
- ◆ Continuous Operation: for uninterrupted production, the AutoSwap functionality enables cartridge change while printing. A Bulk Ink system is available for long-run operation without the need for any operator intervention.
- ◆ Operate four printheads from one controller for label height up to 50.8mm or multiple individual applications.

## Clean. Clear. Coding.

- ◆ Graphic printing quality on paper, card, plastic, metal, and many other materials.
- ◆ Flexible label design: text, counters, clocks, graphics, logos, barcodes can all be included on the same label.
- ◆ Grade A code readability (ISO 15415) using Domino's inks on high density datamatrix codes\*.

\* module size 40x40, ≤ 169 characters



# A complete solution

Our services are designed to provide operational insight so you can eliminate downtime and maximise production efficiency.

## Operational support

An outstanding level of care, wherever you are. Our SafeGuard packages provide high-quality, on-site assistance and AR-enabled remote guidance from our engineers. SafeGuard helps to ensure we can be with you when you need us most.

## Automatic code inspection

Ensure every code that leaves your factory is present and correct, and free up operator time. With the R-Series, Domino's range of vision control systems, you can automate your code inspection to validate code presence, placement, and readability.

## Control software

Minimise errors using Domino's QuickDesign software. Control your product codes from a central location and streamline product changeovers. QuickDesign uses standard communication protocols and can be integrated into existing ERP systems.

## Smart production

Gain operational insight by connecting your printer to Domino Cloud. Obtain production analytics dashboards and receive system error alerts. Domino Cloud provides you with the information you need to run your operations more efficiently.

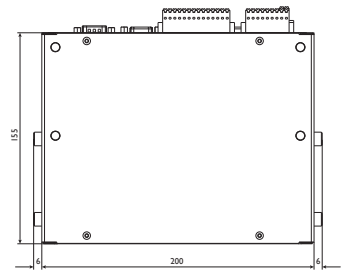
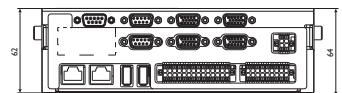


## Technical specification Gx-OEM

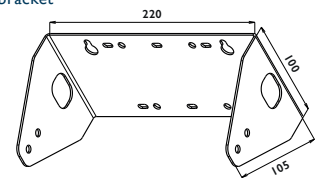
Controller dimensions	Height: 64mm Width: 200mm Depth: 159.2mm Weight: 0.692kg
Printhead dimensions	Standard printhead: height 152mm, width 50.9mm, depth 28.5mm, weight 0.22kg Compact printhead: height 98.5mm, width 93.4mm, depth 28.5mm, weight 0.17kg
Printhead cables	1.5, 3, 6, 12 or 25m
Printheads per controller	Up to 4 printheads for increased message height or individual printing on up to 4 different print positions
Print height	1 printhead: 12.7mm, 2 printheads: 25.4mm 3 printheads: 38.1mm, 4 printheads: 50.8mm
Print speed and resolution	300m/min at 60dpi to 30m/min at 600dpi
External connection options	2 encoders, I/Os for beacons, product detects or other; 2 USBs (type A), RS232C, 2x LAN
Power connector	S2C 3.5mm, 4-way, terminal block
Electrical supply	24V DC, 4 A
Controller operating temperature	0° - 45°C (32° - 113°F)
Operating relative humidity	20 - 80% RH (non condensing, 10°C increase per hour)
Controller finish	Stainless steel
Inks	A range of fast drying water and solvent based inks for porous and non-porous substrates, black, colours, and specialist inks
i-Techx features*	Automatic ink cartridge detection, automatic ink parameter setting, automatic ink level recording
Communication	Ethernet / Dynamark protocol, EDC (serial, TCP, USB) optional: fieldbus protocols
User interface	<b>QuickStep</b> via customer HMI
Continuous operation options	Bulk Ink system for long-run operation, <b>AutoSwap</b> for uninterrupted production

\*This product has a Quality Management System that means that it will only work with Domino circuitry, and it uses dynamic security measures to block non-Domino circuitry from being used. From time to time updates to the circuitry will be issued by Domino to maintain the effectiveness of the Quality Management System.

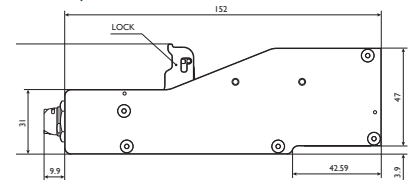
Gx-OEM unit



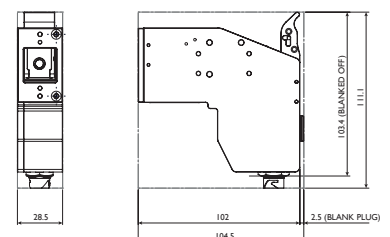
Printer bracket



Gx-Series printhead



Gx-Series compact printhead



## Contact us

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