

# 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 print heads 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.
- ◆ EtherCAT option: fast data transfer and precise synchronisation for motion control applications.
- ◆ 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.
- ◆ For uninterrupted production **AutoSwap** enables cartridge change while printing.
- ◆ Operate 4 print heads from one controller for label height up to 50.8mm or multiple individual applications.



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- ◆ 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\*.



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**Domino. Do more.**



## Gx-Series print heads

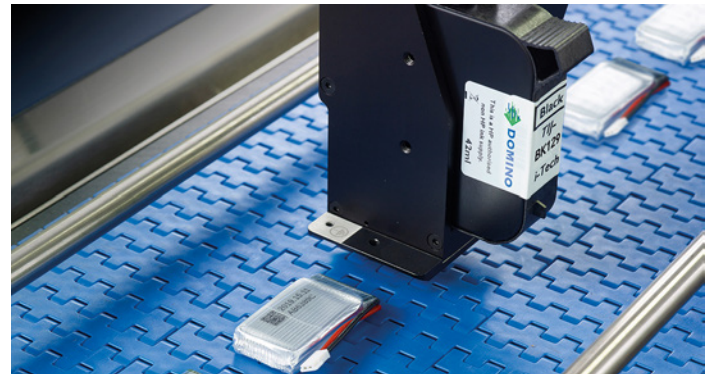
- ◆ Fit easily with only 15.2 x 5.09 x 2.85cm space requirement and 3 connector options (front, back, top).
- ◆ LED status signals show the print status, e.g. which cartridge needs changing.
- ◆ Maintenance-free: exchange of the ink cartridge replaces all printer wear parts.
- ◆ Error-free coding with automatic ink parameter setting.



## Technical specification

Gx350i	
Controller dimensions	Height: 64mm (2.51") / Width: 200mm (7.87") Depth: 159.2mm (6.26") / Weight: 0.692kg (1.52lbs)
Print head dimensions	Height: 152mm (5.98") / Width: 50.9mm (2") Depth: 28.5mm (1.12") / Weight: 0.22kg (0.48lbs)
Print head cables	3, 6, 12, or 25m
Print heads per controller	Up to 4 print heads for increased message height or individual printing on up to 4 different print positions
Print height	1 print head: 12.7mm 2 print heads: 25.4mm 3 print heads: 38.1mm 4 print heads: 50.8mm
Print speed and resolution	300m/min at 60dpi to 30m/min at 600dpi
External connection options	2 encoders, I/O 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, 4A
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- <b>Techx</b> features	Automatic ink cartridge detection, automatic ink parameter setting, automatic ink level recording
Communication	Ethernet / Dynamark protocol, EDC (serial, TCP, USB) optional: EtherCAT protocol
User interface	<b>QuickStep</b> via customer HMI

\* module size 40x40, ≤ 169 characters

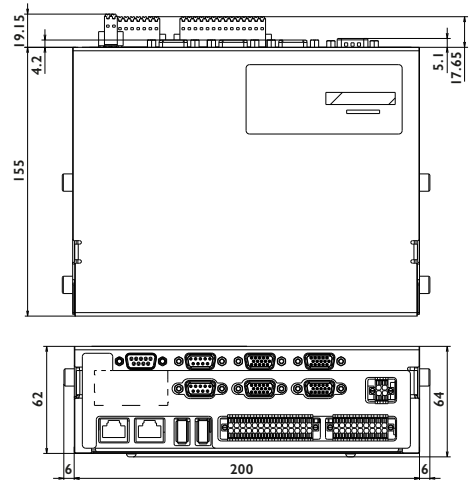


## User interfaces

Domino offers a range of interfaces on the printer, on a PC and directly to our Cloud based dashboards

- ◆ Easy operation using the **QuickStep** interface via web browser on your HMI.
- ◆ Monitoring screens display live information about the printer; connection to Domino Cloud adds remote monitoring and diagnostics.
- ◆ Access levels can be defined to ensure safe handling.
- ◆ Label creation and editing are simple using the **QuickStep** Label Creator or our PC-based design software.
- ◆ Coding Automation solutions to populate data directly from a database and control changeovers from your ERP or MES system.

### Gx-OEM unit



### Gx-Series print head

