



Gx-Series thermal ink jet printers

Clean. Clear. Coding.



Scan the code to find out more about Gx-Series

Domino. Do more.

Trusted thermal ink jet coding solutions

Gx-Series printing solutions are versatile, easy to integrate, easy to operate - the perfect fit on many printing applications and substrates. With latest networking technology and producing graphic code quality the Gx-Series is ideal not only for batch and date coding but also for complex code formats, check weighing, and track & trace applications across FMCG industries.

If you are looking for a coding solution that is designed for high resolution printing at high line speeds with complete reliability Gx-Series thermal ink jet printers can meet your needs.



Fast moving consumer goods

For the variety of coding requirements within the FMCG sectors Domino has developed an ink range that is suitable for all packaging levels. From flexible films to porous shelf ready packaging and shipping boxes.



Life sciences

Legislative requirements call for unique item level identification. Gx-Series printers ensure coding in compliance with pharmaceutical regulations (e.g. EU FMD, US DQSA) according to GSI standards and can be included into a 21 CFR Part 11 validated system.



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.*

*Substrate dependent



Electronics and industrial

Gx-Series prints lasting, rub and scratch resistant codes, logos and graphics on electronic components, metal, aluminium or PCBs. Rapid dry times and good adhesion deliver optimum performance on fast paced production lines.



Ready for the future

Easy to integrate

- ◆ Small footprint: easy print head integration and remote controller mounting.
- ◆ The **Gx-OEM** controller model is optimised for control cabinet integration.
- ◆ Track & trace and item level serialisation via Dynamark protocol: 21 CFR Part 11 compliant, audit trail with comprehensive user administration, validation documentation available.



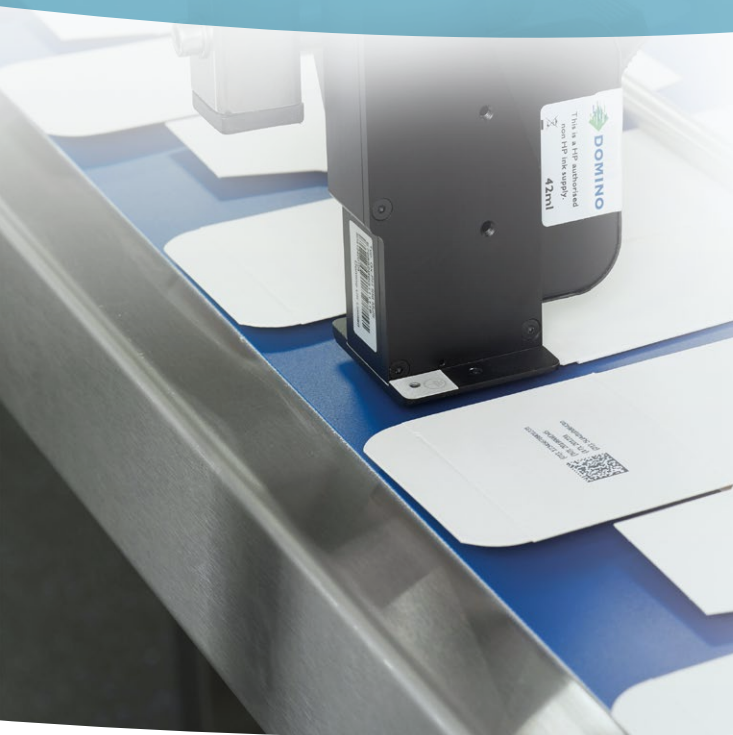
Easy to operate

- ◆ Effortlessly run printers through the feature-rich touchscreen interface or remotely via web browser. Create and edit labels directly on board.
- ◆ Automatic cartridge recognition and ink parameter setting.
- ◆ For uninterrupted production **AutoSwap** enables cartridge change while printing.
- ◆ Multiple print head capability for dual-sided box coding, message heights up to 50.8mm or 4 individual applications.



Easy to network

- ◆ EtherCAT option: fast data transfer and precise synchronisation for motion control applications.
- ◆ External data capture (EDC) directly onto the controller for promotional coding or check weigher applications.
- ◆ Remote controlling Gx-Series printers is simple using the web browser interface.



Built to fit



GxI50i

Batch, date & time, barcodes using 1 or 2 print heads; serialisation option.



Gx-OEM

Seamlessly integrates with production machinery, controls up to 4 print heads, EtherCAT option.



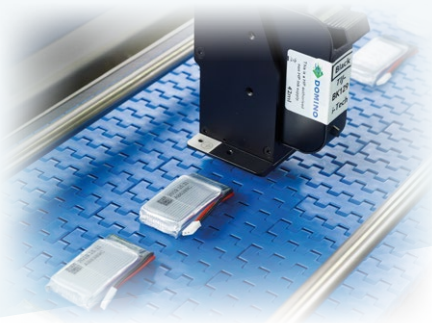
Gx350i

Controls up to 4 print heads, IP64 rated controller for dusty or wet environments, EtherCAT option.



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.



User interface

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 on the touch screen or 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.

Domino. Do more.

Domino - we do more

Domino inks

We develop TIJ inks that address our customers' needs and comply to the highest industry standards. Drawing on years of ink development expertise our TIJ inks deliver clear, durable codes onto a wide range of substrates.

- ◆ Rapid dry time and good adhesion on flexible films: line speeds up to 180 m/min for human readable codes.
- ◆ Long decap times ensure consistent code quality and maximised uptime.
- ◆ GMP and Swiss List compliant for food packaging applications.
- ◆ Codes that last: independently proven lightfastness, adhesion, rub, and scratch resistance.
- ◆ Easy installation: distance print head to substrate up to 4mm.
- ◆ Pin-sharp codes, logos, and graphics complement the overall brand appearance.



Service & support

Our services are designed to help you maximise line efficiency whilst you focus on your production. It's part of our commitment to provide complete, personalised customer care so you can make the most of your Domino technology investment throughout its lifecycle.

- ◆ A dedicated team of experts supports complex applications.
- ◆ OEM integrations and custom solutions.
- ◆ Customer Service technical teams dedicate themselves to maximising your uptime through rapid support and expertise.



Technology talk

- ◆ Thermal ink jet (TIJ) is a digital coding technology that uses electrical heat to eject ink droplets and apply them to a substrate.
- ◆ It is particularly clean and easy to use: the simple replacement of the ink cartridge is the only maintenance required.
- ◆ Up to 600x600dpi enable printing with graphic quality.
- ◆ The print heads do not touch the product, but need to be guided closely to it with max a few mm distance.

Domino. Do more.



Technical Specification:



	Gx150i	Gx350i	Gx-OEM
Controller dimensions	Height: 75mm (2.95") Width: 224mm (8.81") Depth: 156.5mm (6.16") Weight: 1.55kg (3.4lbs)	Height: 123.9mm (4.87") Width: 322.4mm (12.69") Depth: 250.7mm (9.87") Weight: 6.4kg (14.1lbs)	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 2 print heads for increased message height or individual printing on 2 different print positions	up to 4 print heads for increased message height or individual printing on up to 4 different print positions	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	1 print head: 12.7mm 2 print heads: 25.4mm 3 print heads: 38.1mm 4 print heads: 50.8mm	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	1 encoder, I/Os for beacons, product detects or other; 2 USBs (type A), RS232C, 2x LAN	2 encoders, I/Os for beacons, product detects or other; 2 USBs (type A), RS232C, 2x LAN	2 encoders, I/Os for beacons, product detects or other; 2 USBs (type A), RS232C, 2x LAN
Power connector	6mm DC power jack	3-way plug, cable supplied	S2C 3.5mm, 4-way, terminal block
Electrical supply	Input: 100-240 V AC, 50-60 Hz, 2 A Output: 24 V DC, 5 A	100-240 V AC, 50-60 Hz, 3.5 A	24V DC, 4 A
Controller operating temperature	0° - 40°C (32° - 104°F)	0° - 45°C (32° - 113°F)	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)	Ethernet / Dynamark protocol, EDC (serial, TCP, USB) optional: EtherCAT protocol	Ethernet / Dynamark protocol, EDC (serial, TCP, USB) optional: EtherCAT protocol
User Interface	QuickStep via 7" touch screen or customer HMI	QuickStep via 10" touch screen or customer HMI	QuickStep via customer HMI

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Scan the code to watch the Gx-Series video

