nimax

CODING AND MARKING

Gx-Series
Thermal Inkjet Markers

Clear and clean code.

Thermal Inkjet Markers

Reliable thermal inkjet coding solutions

High-resolution printing of barcodes, data matrices, and TrueType text.

The **Domino Gx-Series**, distributed and integrated by Nimax, offers a versatile, high-resolution solution for **industrial coding applications on various types of substrates**.

The Gx Series printing solutions are **easy to integrate and simple to use**, making them suitable for numerous production environments. With **print quality up to 600 dpi** and the ability to handle complex formats, they enable the coding of batch numbers and expiration dates, barcodes, data matrices, and TrueType text, up to a maximum area of 104.3 mm.

Its ability to **integrate into networks and with production line management systems** makes the Gx-Series ideal for control, monitoring, and traceability applications in fast moving consumer goods **(FMCG)** sectors, as well as in the pharmaceutical, food, beverage, and industrial sectors.

Designed for **ease of installation and use**, the Gx line can be quickly integrated into production lines.

The intuitive graphical interface allows operators to manage printing operations immediately, ensuring clear and clean coding on a wide range of substrates.

Available in the Gx150i, Gx350i, and Gx-OEM models, the Gx-Series **also meets the needs of the OEM sector**, supporting advanced track & trace applications.

USER INTERFACE

The Gx-Series is available with various control modes: directly on the machine, via PC, or via a web interface on the operator panel.

Operation is simplified thanks to the QuickStep interface on the touchscreen, designed to ensure intuitive and immediate use.

- The monitoring screens provide real-time information on the printer's status.
- Access level management allows you to define different operator privileges, enhancing security and control.
- Creating and editing labels is quick and easy using QuickStep Label Creator or PC-based design software.
- Coding Automation solutions allow you to automatically populate data from corporate databases and manage format changes through integration with ERP or MES systems.

Gx150i

Compact and versatile

A compact and versatile solution for high-resolution industrial coding.
Ideal for batch numbers, dates, barcodes, QR codes, and data matrices on a wide range of materials, it ensures reliability and print quality even on surfaces such as metal, aluminum, and electronic components.

Perfect for production lines requiring easy integration and immediate operation.

CE/UL certified

Gx350i

Performance and Advanced Flexibility

Designed for more complex applications and structured production environments, the Gx350i printer allows for management of up to 4 print heads.

It is suitable for multi-product or multi-line production lines and for environments where greater flexibility and operational reliability are required. The IP64-rated controller and 10-inch touchscreen display ensure control and continuity of process.

CE/UL certified

Gx-OEM

Full integration for OEM systems

The solution designed for machine builders and system integrators.

Compact and modular, it is designed for installation inside electrical cabinets and automated lines. It allows control of multiple print heads while maintaining maximum integration and space optimization.

The print heads are compact in size for easy installation in production lines and can be mounted up to 25 meters away from the controller.

At the heart of your production line

DOMINO INKS

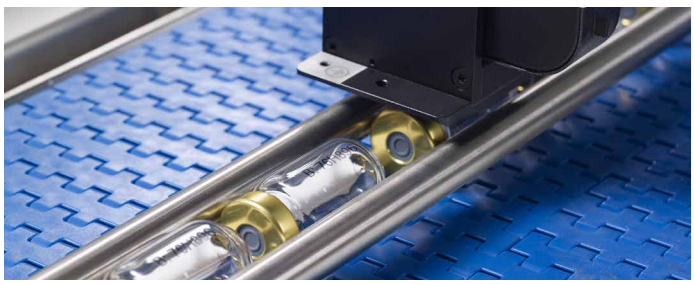
Domino has developed a range of TIJ inks designed to meet the needs of various industrial sectors and comply with the highest application standards. Domino inks deliver clear, durable, high-performance codes on a wide range of substrates.

- Fast drying and excellent adhesion on flexible films
- High print quality and code consistency over time
- Compliance with GMP and Swiss List regulations for food applications
- Resistance to light, abrasion, and external agents (depending on the substrate)

Thermal Inkjet Technology

Thermal Inkjet (TIJ) is a digital coding technology that uses heat to eject microdroplets of ink onto various substrates.
It is a clean and easy-to-manage solution: cartridge replacement requires no special maintenance.

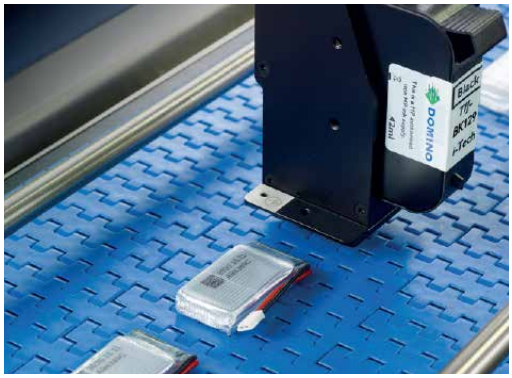
- Print quality up to 600x600 dpi
- Compact and lightweight printheads
- No direct contact with the product



Why Choose the Gx-Series

CONSISTENT PRINT QUALITY
High-resolution coding up to 600 dpi for batch numbers, dates, barcodes, and data matrices, with high readability on a wide range of substrates.

SIMPLE AND FLEXIBLE INTEGRATION
A solution designed for quick installation on existing lines or integration into OEM systems, with scalable configurations tailored to production needs.



OPERATIONAL RELIABILITY
Automatic cartridge recognition and intuitive management to reduce line downtime and ensure production continuity.

COMPATIBILITY WITH COMPANY SYSTEMS
Integration with ERP and MES to automate data flows, format changes, and production information management.

LOCAL NIMAX SUPPORT
Application consulting, on-site integration, and technical support to assist the customer at every stage of the project.

DISCOVER NIMAX **DIGITAL INNOVATIONS**

Line Strategy by nimax

Line Strategy is the application that gives you full control of your production line from a single workstation:

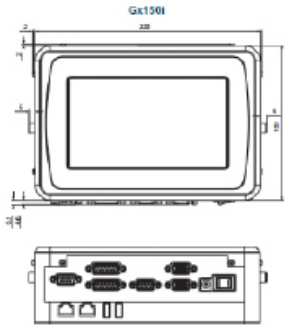
- Connects machines of any brand on the line;
- Reduces human error and enables centralized production control;
- Provides real-time reports on production performance;
- Reduces costs and streamlines tooling, control, and maintenance processes;
- Interfaces with company MES and ERP systems.

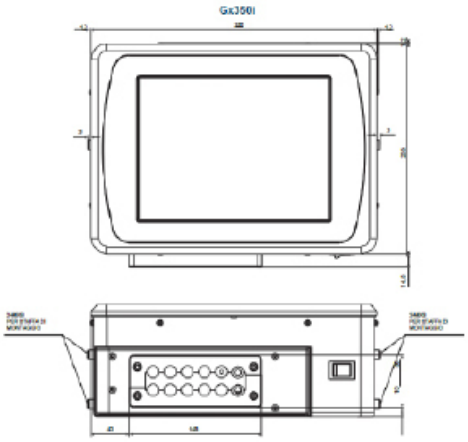
MyNimax Service Portal is your central platform for managing your Nimax machine fleet:

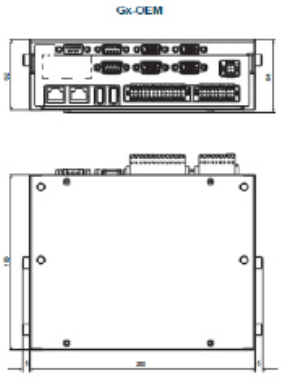
- AI-powered support with ai.max, available 24/7 for fast issue resolution;
- Integrated e-shop for easy ordering of consumables and spare parts;
- Unlimited remote assistance from our technical support team;
- Complete service and maintenance history.

Technical Specifications

	Gx150i	Gx350i	Gx-OEM
Controller Dimensions	Height: 75 mm Depth: 224 mm Width: 156.5 mm Weight: 1.55 kg	Height: 123.9 mm Depth: 322.4 mm Width: 250.7 mm Weight: 6.4 kg	Height: 64 mm Depth: 200 mm Width: 159.2 mm Weight: 0.692 kg
Print Head Dimensions	Height: 152 mm | Depth: 50.9 mm | Width: 28.5 mm | Weight: 0.22 kg		
Print Head Cable Length	1.5 - 3 - 6 - 12 - 25 m		
Print Head for Controller	Up to 2 print heads for a taller message or for individual prints at 2 different line positions	Up to 4 print heads for greater message height or single prints on 4 different line positions	Up to 4 print heads for greater message height or single prints on 4 different line positions
Print height	1 print head: 12.7 mm to 26.1 mm 2 print heads: 25.4 mm to 52.2 mm	1 print head: 12.7 mm to 26.1 mm 2 print heads: 25.4 mm to 52.2 mm 3 print heads: 38.1 mm to 78.2 mm 4 print heads: 50.8 mm to 104.3 mm	1 print head: 12.7 mm to 26.1 mm 2 print heads: 25.4 mm to 52.2 mm 3 print heads: 38.1 mm to 78.2 mm 4 print heads: 50.8 mm to 104.3 mm
Print speed and resolution	300 m/min at 60 dpi / 30 m/min at 600 dpi		
Connection options	1 encoder, I/O for alarms, photoelectric sensors, or other devices, 2 USB (Type A), RS232C, 2x LAN	2 encoders, I/O for alarms, photoelectric sensors, or other, 2 USB (Type A), RS232C, 2x LAN	2 encoders, I/O for alarms, photoelectric sensors, or other, 2 USB (Type A), RS232C, 2x LAN
Electrical connector	6 mm DC Jack connector	3-way connector	S2C 3.5 mm terminal block, 4-way
Power connector	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	24 V DC, 4 A
Operating temperature	0° - 40°C	0° - 45°C	0° - 45°C
Relative humidity	20 - 80% RH (non-condensing, 10°C increase per hour)		
Controller Housing	Stainless Steel		
Inks	A range of fast-drying water-based and solvent-based inks for porous and non-porous substrates, black, colored, and specialty inks		
i-Tech features	Automatic ink cartridge detection, automatic parameter setup, and automatic ink level tracking		
Communication protocols	Ethernet / Dynamark, EDC (serial, TCP, USB)	Ethernet / Dynamark, EDC (serial, TCP, USB)	Ethernet / Dynamark, EDC (serial, TCP, USB)
User interfaces	QuickStep via 7" touch screen or operator panel	QuickStep via 10" touch screen or operator panel	QuickStep via operator panel







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