



CODING AND MARKING

Cx-Series Large-character Inkjet Markers

High-resolution printing with exceptional quality.



Cx-Series Printers

Direct marking on packaging

>> Highest quality in high-resolution printing

The Cx-Series inkjet markers are smart solutions for direct marking on packaging, designed to deliver high print quality, digital integration, and maximum operational efficiency.

The range includes specific models for different applications: from coding on cardboard and secondary packaging to high-definition printing on non-porous surfaces, always guaranteeing reliability, flexibility, and sustainability.

>> Efficiency, cost savings, and sustainability

Eliminate labeling and pre-printing costs by customizing cartons directly on the production line with high-definition graphics and codes. Our technology is not only environmentally friendly, thanks to vegetable oil-based inks, but also intelligent: it allows you to adjust the print resolution to minimise waste.

The system integrates natively with automation software and vision systems for print verification, such as the R-Series, ensuring consistent quality control and flawless legibility on every package.

GREAT CONNECTIVITY

> Thanks to a wide range of connectivity options, the printers integrate seamlessly into the company's technological ecosystem, communicating natively with PLCs via standard interfaces such as Ethernet/IP™.

The system supports simple and reliable text and data transfer, facilitating integration with a wide variety of packaging and processing machines.

Furthermore, integration with MES and ERP systems is guaranteed by Domino's QuickDesign automation software, which centralises coding management and reduces the risk of errors.

GREAT USABILITY

> Designed to ensure maximum operational continuity, our markers focus on intuitive operation and minimal maintenance.

Using the QuickStep touchscreen interface, operators can quickly configure settings or create new print layouts with ease. The high ink capacity reduces manual intervention and ensures production continuity, while ink can be added during operation without stopping the production line.

Domino Cx150i

High resolution on various surfaces

The Domino Cx150i is a high-resolution inkjet printer designed to deliver consistently high print quality on a variety of surfaces, enhancing the appearance of the product and the brand directly on the packaging.

Thanks to the availability of **UV or oil-based inks**, the system is suitable for a range of applications: from printing on non-porous surfaces to direct marking on cardboard and secondary packaging, eliminating the need for labels.

Easy to integrate into existing lines, the Cx150i is designed for Industry 4.0 environments and connects seamlessly to ERP and MES systems and leading coding automation software.



| Ink base | | | | | | | | | | | | | | | | | | | | | | |
|--|--|---|--|--|------------------------|---------------|---------------|------------|---|---|----------------------|--------|--------|---------------------|--------|--------|-----------------------|--------------|--------------|--|--------|--------|
| | Cx1-Inkbase Cx150i ink base | | | | | | | | | | | | | | | | | | | | | |
| Dimensions | Width 167.0 mm / Depth 276.1 mm / Height 230.5 mm / Weight 7.3 kg (not included: screw, power button, lock, connector cover, bracket) | | | | | | | | | | | | | | | | | | | | | |
| Internal ink tank | 50ml | | | | | | | | | | | | | | | | | | | | | |
| Power supply | Input 100-240Vac, 50-60Hz, 2A | | | | | | | | | | | | | | | | | | | | | |
| Power supply connector | 6 mm DC power jack from external brick-type power supply (included) | | | | | | | | | | | | | | | | | | | | | |
| External connection options | 1 × 24 Vdc power input, 1 × encoder input, 3 × I/O connectors, 2 × USB (type A), 2 × RJ-45, 2 × IX | | | | | | | | | | | | | | | | | | | | | |
| Print head | | | | | | | | | | | | | | | | | | | | | | |
| | <table border="1"> <thead> <tr> <th></th> <th>Cx1-PH 32 32.5 mm Cx150i print head</th> <th>Cx1-PH 65 65.0 mm Cx150i print head</th> </tr> </thead> <tbody> <tr> <td>Conduit length options</td> <td>1.5m and 3.0m</td> <td>1.5m and 3.0m</td> </tr> <tr> <td>Dimensions</td> <td>Width 61.0 mm / Depth 222.6 mm / Height 136.4 mm / Weight 1.92 kg</td> <td>Width 61.0 mm / Depth 233.8 mm / Height 136.4 mm / Weight 2.05 kg</td> </tr> <tr> <td>Maximum print height</td> <td>32.5mm</td> <td>65.0mm</td> </tr> <tr> <td>Vertical resolution</td> <td>300dpi</td> <td>150dpi</td> </tr> <tr> <td>Horizontal resolution</td> <td>up to 600dpi</td> <td>up to 600dpi</td> </tr> <tr> <td>Distance from the bottom of the nozzle</td> <td>23.3mm</td> <td>32.7mm</td> </tr> </tbody> </table> | | Cx1-PH 32 32.5 mm Cx150i print head | Cx1-PH 65 65.0 mm Cx150i print head | Conduit length options | 1.5m and 3.0m | 1.5m and 3.0m | Dimensions | Width 61.0 mm / Depth 222.6 mm / Height 136.4 mm / Weight 1.92 kg | Width 61.0 mm / Depth 233.8 mm / Height 136.4 mm / Weight 2.05 kg | Maximum print height | 32.5mm | 65.0mm | Vertical resolution | 300dpi | 150dpi | Horizontal resolution | up to 600dpi | up to 600dpi | Distance from the bottom of the nozzle | 23.3mm | 32.7mm |
| | Cx1-PH 32 32.5 mm Cx150i print head | Cx1-PH 65 65.0 mm Cx150i print head | | | | | | | | | | | | | | | | | | | | |
| Conduit length options | 1.5m and 3.0m | 1.5m and 3.0m | | | | | | | | | | | | | | | | | | | | |
| Dimensions | Width 61.0 mm / Depth 222.6 mm / Height 136.4 mm / Weight 1.92 kg | Width 61.0 mm / Depth 233.8 mm / Height 136.4 mm / Weight 2.05 kg | | | | | | | | | | | | | | | | | | | | |
| Maximum print height | 32.5mm | 65.0mm | | | | | | | | | | | | | | | | | | | | |
| Vertical resolution | 300dpi | 150dpi | | | | | | | | | | | | | | | | | | | | |
| Horizontal resolution | up to 600dpi | up to 600dpi | | | | | | | | | | | | | | | | | | | | |
| Distance from the bottom of the nozzle | 23.3mm | 32.7mm | | | | | | | | | | | | | | | | | | | | |
| TouchPanel | | | | | | | | | | | | | | | | | | | | | | |
| User interface | User interface 7" or 10" touchscreen interface with QuickStep software | | | | | | | | | | | | | | | | | | | | | |
| Dimensions | 7" Width 182 mm / Depth 37 mm / Height 121 mm / Weight 0.8 kg 10" Width 256 mm / Depth 37 mm / Height 166 mm / Weight 1.2 kg | | | | | | | | | | | | | | | | | | | | | |
| System specifications | | | | | | | | | | | | | | | | | | | | | | |
| Operating temperature | 5-40°C | | | | | | | | | | | | | | | | | | | | | |
| Operating relative humidity | 10-90% RH (non-condensing, maximum increase of 10 °C per hour) | | | | | | | | | | | | | | | | | | | | | |
| Finish | Brushed stainless steel | | | | | | | | | | | | | | | | | | | | | |
| Protection | IP4X | | | | | | | | | | | | | | | | | | | | | |
| Comunication | Ethernet / Dynamark protocol, EDC (serial, TCP, USB), Domino Cloud Interface (DCI), Domino Coding Automation | | | | | | | | | | | | | | | | | | | | | |
| Print speed | max. 200m/min. at 100dpi, 100m/min. at 200dpi, 70m/min. at 300dpi, 47m/min. at 450dpi, 35m/min. at 600dpi | | | | | | | | | | | | | | | | | | | | | |
| Inks* | High-contrast UV inks supplied in low-waste 500 ml flexible bags. High-contrast vegetable OIL-BASED ink, supplied in a 500 ml flexible pouch with a low environmental impact. | | | | | | | | | | | | | | | | | | | | | |
| Recommended UV lamp specifications | 395 nm UV lamp with an intensity of 8-12 W/cm ² over 20 mm of movement and at a distance of 5 mm, capable of ensuring effective curing at a linear speed of up to 70 m/min.** | | | | | | | | | | | | | | | | | | | | | |

*This product is equipped with a quality management system that allows it to operate exclusively with Domino electronic components and uses dynamic security measures to prevent the use of non-Domino components. Domino will periodically release updates to the electronic components to maintain the effectiveness of the quality management system.

** UV curing performance depends on numerous variables; therefore, testing is always required to evaluate performance in a specific application.

Domino Cx350i

High-performance cardboard marking.

Domino Cx350i is the intelligent large-character inkjet printer that exploits the full potential of direct marking on secondary packaging.

With the Domino Cx350i inkjet printer, you can improve coding quality and reduce waste. You can finally avoid the costs of pre-printed packaging and labels by printing graphics, codes, and text directly onto the carton.

Choosing the Domino Cx350i means making a green choice, thanks to its eco-friendly vegetable oil-based inks and advanced technology with adjustable print resolution to achieve the best code quality with the lowest ink consumption.



| Cabinet | |
|---------------------------------------|--|
| | <p>Cx-Base 2 Heads Print heads (max.) 2 Internal reservoir: 440 ml</p> <p>Cx-Base 4 Heads Print Heads (max.) 4 Internal Reservoir: 760 ml</p> |
| Dimensions | Length: 329.7 mm / Depth: 233.7 mm / Height: 489.5 mm Weight Cx-2 Heads Base: 13.55 kg, Cx-4 Heads Base: 15.03 kg Not included: power button, lock, connector cover, bracket |
| Electrical requirements | Input: 100-240VAC, 50-60 Hz, Heads: 2A |
| Connection options | <p>1 x encoder input, 1 x I/O connector (4 x product presence sensor input, 5 x general purpose input, 8 x general purpose output, 3 x 24VDC output)</p> <p>2 x USB (type A), 1 x RS232C, 2 x RJ-45</p> |
| | <p>2 x encoder input, 2 x I/O connector (4 x product presence sensor input, 9 x general purpose input, 12 x general purpose output, 4 x 24VDC output, 3 x alarm contacts)</p> <p>2 x USB (type A), 1 x RS232C, 2 x RJ-45</p> |
| Print head | |
| Dimensions (Standard Head) | Length 112.8 mm / Depth 311.6 mm / Height 190 mm / Weight 4.22 kg |
| Dimensions (Remote Head) | Width 85.9 mm / Depth 173.4 mm / Height 130.2 mm / Weight 1.73 kg Hose length Options of 0.5 m, 1.5 m, 3.0 m, and 4.5 m |
| Dimensions (Remote head tank) | Width 179.2 mm / Depth 164.4 mm / Height 121.8 mm / Weight 2.27 kg |
| Electrical requirements | 24VDC (supplied by cabinet base) |
| Resolution | Horizontal max. 300 dpi, Vertical 150 dpi |
| Print height | 65 mm max. |
| Touch Panel | |
| User interface | 10.4" touch panel with QuickStep 3 software |
| Dimensions | 10" Width 256 mm / Depth 37 mm / Height 166 mm / Weight 1.2 kg |
| System specifications | |
| Operating temperature | 5-40°C |
| Operating relative humidity | 10%-90% RH (non-condensing, 10°C hourly increment) |
| Housing | Brushed stainless steel |
| IP protection rating Head and cabinet | IP4X |
| Inks | High contrast, eco-friendly vegetable oil-based inks available in 1.4 and 0.85 liter bottles |
| Communication | Ethernet/Dynamark protocols, EDC (serial, TCP, USB), optional: Ethernet/IP™ protocol, Domino coding automation |
| Print Speed | max. 210 m/min. at 100dpi; 100 m/min. at 200dpi; 70m/min. at 300dpi |

>> Why choose the Cx-series

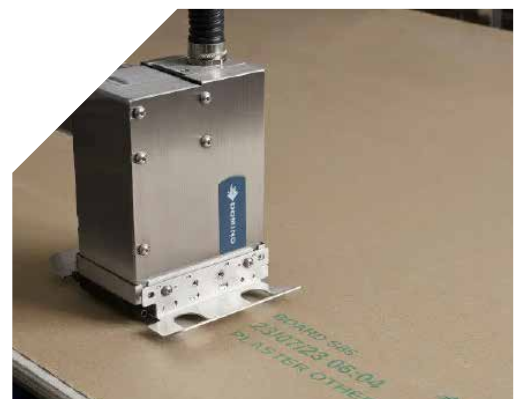
- Direct marking on packaging reduces costs and eliminates the complexity associated with labels and pre-printing
- Native integration with factory systems via standard PLC interfaces
- High print quality for text, logos, graphics, and codes
- Continuous production without compressed air and with reduced maintenance requirements
- Solutions designed to maximise efficiency, reliability, and quality control



> The wide range of connectivity options ensures seamless integration with other technologies within the production environment that use standard PLC interfaces, including Ethernet/IP™. The marker operates without compressed air and does not require filter replacements.

> Simple text and data transfer solutions enable integration with a wide range of packaging and processing machines. The high ink capacity allows for longer operating times and minimises manual intervention.

> Cx markers do not require compressed air, eliminate the need for labels, and use only vegetable oil-based inks, ensuring consistent, high-contrast codes every time. Ink can be refilled during production without stopping the machine.

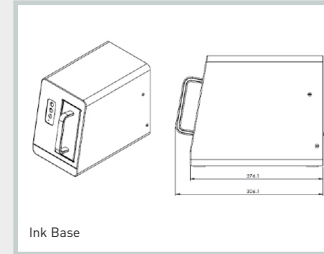
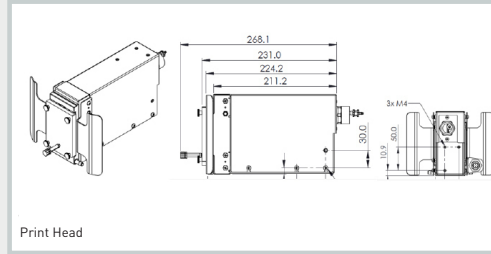
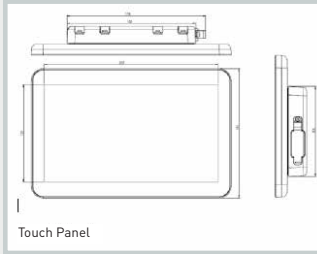


Better print quality with less ink waste.

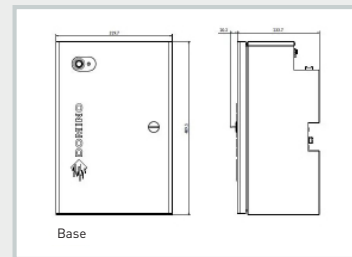
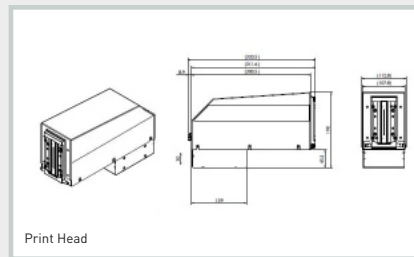
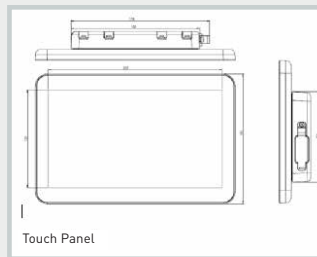
Cx industrial markers have been optimized to achieve up to a 33% reduction in ink usage compared with previous-generation Domino secondary packaging printing systems when printing 200 dpi barcodes.



Domino Cx150i



Domino Cx350i



DISCOVER NIMAX DIGITAL INNOVATIONS



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.

DISCOVER MORE

