Ax150i – maximum printing flexibility

The **Ax1**50i continuous ink jet (CIJ) printer can print high quality codes on virtually any surface and product; whether flat, round, uneven or moving.
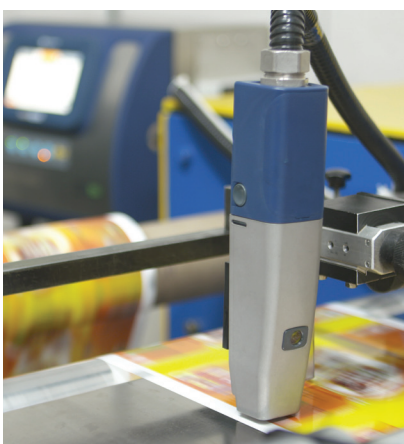
The **Ax1**50i is compatible with Industry 4.0 standards. Connecting to **Domino Cloud** enables remote diagnostics and 24/7 visibility of your printers' performance. The integrated touchscreen user interface provides a class-leading user experience.

Domino's service-free ink system with **i-Pulse** printhead technology utilising Domino-developed inks provides clear, readable text, graphics and barcodes while ensuring regulatory compliance.

Designed for maximum uptime

◆ Operation is simple through single button start, dynamic on-board monitoring & control to ensure excellent prints even in fluctuating ambient temperatures, and consumable changes in-run.

◆ The **Ax1**50i is service-free; only the **iTechx** module (ITM) needs to be replaced once annually, which is a less-than-ten-minutes operator task.

◆ Coding automation and integration into your ERP and MES business systems are supported. Connect to **Domino Cloud** to benefit from remote printer performance overviews and diagnostics.

i-Pulse printhead technology

◆ Printheads start up first time even after extended shutdowns thanks to Domino's unique nozzle-sealing technology.

◆ Best readability and best reliability at faster speed in a higher 9-drop resolution (versus traditional 7 drops) plus saving up to 24% in ink usage result from optimised ink drop formation.

◆ The durable 60μ printhead delivers consistent code quality.

Adding value to your product

◆ Domino supplies a range of inks manufactured to GMP (Good Manufacturing Practice) which are compliant with leading global legislation for food packaging.

◆ Our inks offer lasting adhesion, lightfastness and high contrast even on difficult substrates (e.g. polyolefins) and after harsh post-print processes.

◆ Environmental-friendly options, reduced ink consumption, optimised packaging and fully-depleting cartridges reduce waste and ecological footprint.

www.domino-printing.com

Domino. Do more.

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.
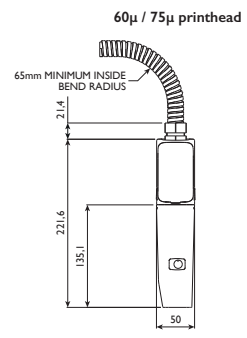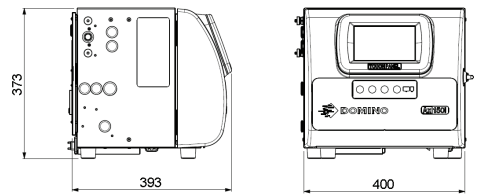
Smart production

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 **Ax1**50i

Printing Specification

Printhead nozzles	60µm
Speed – 1 line, 5 dot characters(m/s)*	5,1
Dot size(mm)**	0.31
Print heights (single print head)	Up to 32 dots/20mm
Supported code formats	full unicode support text, graphics, 1-D, 2-D codes

Ownership Specification

User interface	7''Touchscreen
Conduit length	3m
Printhead type	Straight
Software	**QuickStep 3**
Comms ports	Cabinet USB port (x1); Ethernet RJ45 port (x1)
Printer status monitoring	4 stage beacon output (x1); 3 stage alarm output (x1)
Cartridge replacement (Ink and make-up)	Auto recognition; 20 second operator task; no line stop required
Servicing – ITM replacement	Sub 10 minute operator task. Line stop required
Service interval***	Typically every 12 months
Material	304 stainless steel cabinet (5 sides) - nylon door, IP55

Consumables

Inks	Wide range of black and coloured inks including options for food packaging, colour change, industrial, UV-fluorescent
Ink cartridge volume	825ml
Make-up cartridge volume	1200ml

Optional Hardware Packs****

RS232 pack	RS232 port (x1)
GPIO pack	I/O – 4 inputs/4 outputs (x1)

*Speed qouted at the following characters per inch ---- 60um = 10 characters
** Dots size may vary depending on substrate type   ***service interval is ink type dependent   **** May vary per sales region

373

393

400

60µ / 75µ printhead

65mm MINIMUM INSIDE BEND RADIUS

21.4

221.6

135.1

50

50

Logos and 2D Codes

Multi Language and Mixed Fonts

TALK TO AN EXPERT

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