

Ax350i – cutting edge printing technology

Our goal is to provide you with the best fit for the coding requirements in your production. The **Ax350i** ink jet printer delivers high quality codes in almost any environment on virtually any surface and product.

The **Ax350i** is compatible with Industry 4.0 standards. Connecting to **Domino Cloud** enables remote diagnostics and 24/7 visibility of your printers' performance. The 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.



Maximum uptime on production lines

- ◆ A flexible modular design, sealed IP66 electronics enclosure, dynamic on-board monitoring and control enable easy line integration and excellent prints even in harsh environments.
- ◆ The **Ax350i** 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 reliability at faster speed in a higher 9-drop resolution (versus traditional 7 drops) plus up to 24% less ink usage result from optimised ink drop formation.
- ◆ Printheads for every application: 90-degree angled and rotatable printheads for narrow products; highly durable, hygienic round steel variants for heavy duty environments; 40µ and 50µ printheads for small, precise codes and the Duo printhead for doubled speed.

Consistent quality codes

- ◆ 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



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

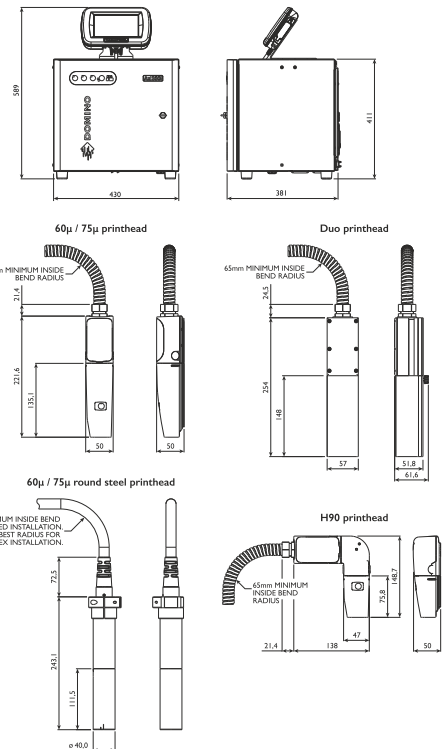
Minimise errors using Domino's **QuickDesign** software. Control your product codes from a central location and streamline product changeovers. **QuickDesign** uses standard communication protocols and can be integrated into existing ERP systems.

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 Ax350i

| Printing Specification | | | | |
|---|--|------|------|------|
| Printhead nozzles | 40µm | 50µm | 60µm | 75µm |
| Speed – 1 line, 5 dot characters(m/s)* | 5.3 | 5.9 | 7.1 | 6.8 |
| Dot size(mm)** | 0.23 | 0.26 | 0.31 | 0.4 |
| Print heights (single print head) | Up to 32 dots/20mm | | | |
| Print heights (Duo) | Up to 64 dots/40mm | | | |
| Supported code formats | full unicode support text, graphics, I-D, 2-D codes | | | |
| Ownership Specification | | | | |
| User interface | 7" and 10.4" touch screen options | | | |
| Conduit length | 3m & 6m options | | | |
| Printhead type | Straight, H90, V90, RS and Duo | | | |
| 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; | | | |
| Servicing – ITM replacement | 20 second operator task; no line stop required | | | |
| Service interval*** | Sub 10 minute operator task; line stop required | | | |
| Material | Typically every 12 months | | | |
| | 304 steel, IP55 cabinet; IP66 electronics enclosure | | | |
| Consumables | | | | |
| Inks | Wide range of black and coloured inks including options for food packaging, eggshells, colour change, industrial, UV-fluorescent | | | |
| Ink cartridge volume | 825ml | | | |
| Make-up cartridge volume | 1200ml | | | |
| Optional Hardware Packs**** | | | | |
| Extended comms pack | Cabinet USB port (x1); control port (x1); touchscreen / ethernet port (x1) | | | |
| RS232 pack | RS232 port (x1) | | | |
| GPIO pack | I/O – 4 inputs/4 outputs (x1) | | | |
| Extended I/O pack | I/O – 12 inputs / 6 outputs (x1) | | | |
| Optional Performance Packs | | | | |
| Operator assistance pack | Label templates; barcode scanning for labels and data entry; local security manager | | | |
| Green pack | Up to 20% reduction in make-up emissions; configurable printhead and ink-system stand down for reduced power usage) | | | |
| Continuous printing pack | Dedicated user screens for faster changes during production; easier label creation; high speed print formats (ST&HS rasters) | | | |
| Advanced security pack | Full security manager to secure user interface and provide customisable permissions based on individual user logins | | | |

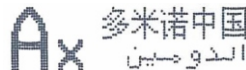


* Speed quoted at the following characters per inch ----75µm = 8 characters, 60µm = 10 characters. 50µm & 40µm = 14 characters
** Dots size may vary depending on substrate type *** Dependant on ink type and ITM choice **** May vary per sales region

Logos and 2D Codes



Multi Language and Mixed Fonts



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