The A520i ink jet printer
Flexible design, consistent performance

The flexible design of the A520i delivers seamless integration and consistent performance in your production environment, while continuing to break the service routine.

Scan the code to find out more about the A520i

Domino. Do more.
Flexible, efficient, high performance coding – whatever the environment

The A520i builds on our heritage of delivering highly reliable and versatile continuous ink jet printers – it is there for when and where you need it on your production line, with class-leading availability. Its flexible design allows you to site the user interface and printer separately to suit your working environment.

The A520i is designed for wash down environments using marine grade stainless steel (316). Additional reliability comes from our innovative plenum airflow cooling system. This keeps the printer cool and the electronics sealed (IP66), providing all the protection you need to keep your production line running.

Our unique service free i-Tech ink system continues to deliver ultra-low makeup usage, driving down your solvent footprint, reducing costs and operator intervention.

The i-Tech ink system – designed for optimum performance in your application

Domino’s specialist, custom and i-Tech inks, available worldwide, are designed with optimised code quality, reliability and running costs. Intelligent Technology is at the heart of the printer …

Heavy duty print head cover provides protection during wash-down processes

The A520i simply offers real-world consistent coding performance, future proofing all your coding requirements, whether planned for or unforeseen.

Greener credentials

Domino is committed to sound environmental practices and minimising the consumption of natural resources and energy and the creation of waste. We invest in our supply chain to ensure good social and environmental practice and we are supportive of developments to improve corporate accountability. Wherever practical, our products are RoHS and WEEE compliant.

A520i

The A520i, with simple consumable replenishment and intelligent fluid management allows ink replacement to be reduced by up to 90% compared to a standard ink jet printer, while makeup use has been reduced to less than 1ml per hour at 20°C with our most efficient ink, all lessening your solvent footprint. With advanced energy saving software the printer can even automatically shut down when your production line stops.
Flexible – for seamless integration

We offer a range of variants – with a modular design that allows you to position the interface and printer apart to suit your production line, including an easy to stack option.

Consistent availability in your environment
Hot, wet, cold or dry - the engineering excellence in the A520i ink jet printer works even in the harshest of environments.

Configured to suit your needs
• The durable 316 stainless steel cabinet with its sealed IP66 electronics enclosure can be mounted to suit your line configuration

Convenient
• Just press a single button and walk away. We call it SureStart. It’s our unique print head with a nozzle sealing and flushing process that guarantees consistent performance
• You can choose to have the TouchPanel either mounted directly on the printer cabinet or separately to suit your operator requirements and line layout
• The QuickStep User Interface can be accessed via the TouchPanel or any Windows® Interface on the production line
Performance – to exceed your expectations

Highest performance, lowest total cost of ownership

The A520i can match the speed of your production line today and in the future with its range of high performance print heads, while reducing your total cost of ownership by minimising the consumables you need to use. Use the charts below to see what you can achieve:

Easy to use – and it’s service free...

Service free

No maintenance, no fuss - at the heart of the A520i is the i-Tech ink system with its revolutionary i-Tech Module. The i-Tech Module contains the working ink and ink filters and is one of the consumables that are routinely changed to keep the printer running, along with the ink and makeup cartridges. This is all the maintenance the printer requires to keep it up and running. Changing the i-Tech Module is a job that anyone can do in less than 10 minutes and would only be done once a year.

Simple

The CleanFill cartridges can easily be changed while the printer is still operating, and the larger volume makeup cartridges provide extended runtime between changes – with the result that the A520i is online for longer, with fewer interruptions and less waste.

Even our consumables are colour-coded for complete day-to-day convenience.

QuickStep User Interface – any action is no more than 3 touches away

QuickStep is our unique, simplified operator interface that gets the printer in action as quickly as possible. No complex menus or parameters, just enter the job and away you go.
A quick tour around the A520i

Flexible stackability to fit into your production workflow

**i-Tech** ink system delivering the lowest measured makeup usage on the market

i-Tech ink system delivers service free coding – just change consumables and the printer will keep on performing

Sealed IP66 electronics enclosure, cooled by innovative plenum airflow system

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**XS samples**

Heavy Duty IP65 print head cover gives the ultimate protection

**Duo samples**

Duo print head delivers market leading speed and quality for twin line and up to 8 lines of code

**Pinpoint samples**

Pinpoint print head delivers high definition micro-print capability

**XS** high speed print head delivering high quality code with clear and easy to read characters

SureStart print heads give market leading start / stop performance with a wide range of options to fit in your tight spaces

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Control multiple printers from TouchPanel

Mount TouchPanel where convenient

QuickStep Easiest and most intuitive user interface

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Domino. Do more.
Technical Specification:

**Operational Capability**
- Max number of unicode characters per line: 255
- Max number of lines Standard: 4
- Max number of lines Duo: 8
- Max number of lines Pinpoint: 3
- Max number of lines XS: 4
- Max number of message per message store: 256
- Max number of message stores per printer: 16
- Max line speed (single line 5 drop): 510mm/min

**Interfaces**
- **TouchPanel** remote touch screen (IP65): Optional
- Ethernet (web server and email alert function): Standard
- USB: Optional
- RS232: Standard
- Domino Protocols: Optional
- Industry Protocols: ZPL (limited)
- 4 stage 24V beacon (Port is standard): Optional
- Programmable I/O (8 inputs and 8 outputs): Standard
- Product detect: Optional
- Shaft encoder: Standard

**Graphical User Interface**
- QuickStop: Full colour interface. Intuitive navigation via large, easy to read buttons and icons; WYSIWYG print preview.
- Multi-language support.

**Environment**
- Weight: 33kgs
- IP rating electronics enclosure: IP66
- IP rating inks system enclosure: IP55
- Operating temp: 5-45°C (40-112°F)
- Humidity: 10-90% RH
- Power requirement: 100-240V:4A 50-60Hz
- Power consumption: 94 Watts

**Compliance**
- CE: Standard
- TÜV: Standard
- RoHS: Standard
- Sony Green Partner: Standard
- Eupia compliant inks: Standard
- Heavy metal free inks: Available
- Halogen free inks: Available

**SureStart Print Head**
- Standard and Duo
  - Conduit length: 3m standard or 4m optional
  - Nozzle size: 60μ or 75μ
- Pinpoint
  - Conduit length: 3m standard or 4m optional
  - Nozzle size: 40μ
- XS
  - Conduit length: 3m standard or 6m optional
  - Nozzle size: 60μ
  - Conduit bend radius: 65mm
- Heater: Standard
- Heavy Duty print head (IP65): Optional
- Positive air pump: Optional
- Air Dryer: Optional

**Ink System**
- i-Tech ink system: Standard
- CleanFill ink cartridge: 825ml*
- CleanFill MU cartridge: 1200ml*
- i-Tech Module replacement: Ink dependent*
- Routine servicing: None

* operator task

Not to scale. For illustrative purposes only.

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We reserve the right to change the design or specification of our products without notice. Some of the information contained in this brochure is general in nature and customers should check that it is applicable to their individual circumstances.