



# The A420i ink jet printer

Breaking the service routine



With the flexibility to meet your exact coding needs, the new **A420i** reduces cost and simplifies the production line.

Domino. Do more.

## Breaking the service routine

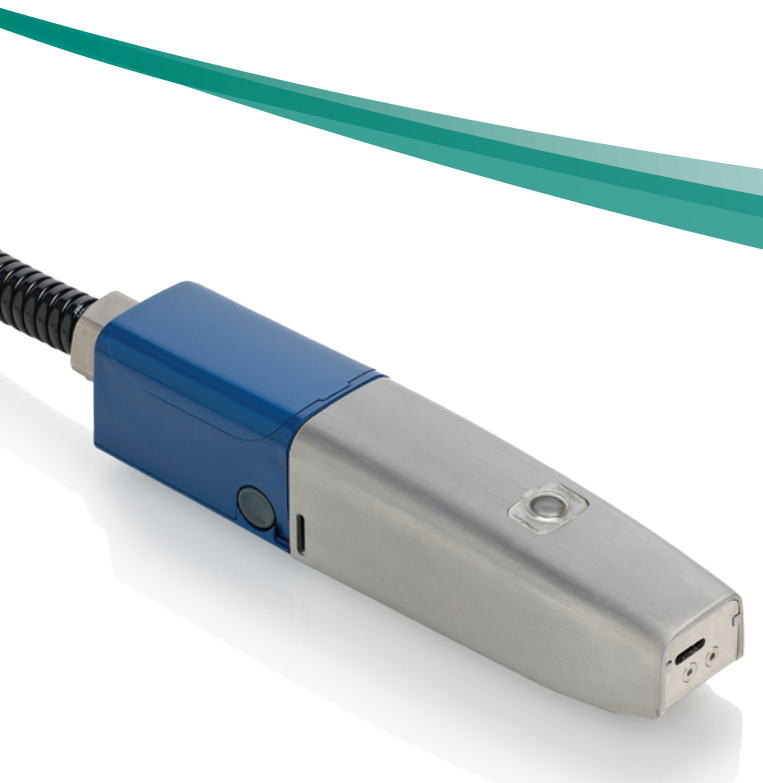
From the moment you press the start button, the **A420i** begins to make your life easier.

With the deployment of *intelligent Technology*, the highly flexible **A420i** only needs to have consumables replenished to maintain optimum performance. That's all the service this printer requires. You save time, as well as ink, and it keeps the printer online for longer.

Extending the A-Series range to meet your specialist needs, the **A420i** allows you the flexibility to achieve your exact coding specifications, no matter how complex.

The **A420i**'s increased ink capability complements the general range of **i-Tech** inks, with a versatile range of Specialist and Custom ink offerings.

It's another step forward. Building on our long standing experience of developing printers that meet your needs and do more to keep your line operating at its most efficient.



## Extending the **i-Tech** ink system ... where innovation and chemistry come together

Domino's **Specialist and Custom** inks, available worldwide, are designed for optimum performance in your specialist sector or particular substrate

- Optimised code quality
- Optimised reliability
- Optimised running costs



Specialist inks to meet the needs of the beverage industry, from washable inks for bottle returns to inks designed to withstand sensitive environments.



Specialist thermochromic inks for the canning industry, with colour change to indicate the retort process.



Custom inks such as 2BK021c for good adhesion on PP and PE surfaces



Specialist inks for food and healthcare industries with full regulatory compliance.

30 years of Domino ink jet innovation doesn't happen by chance

**i-Tech, Specialist and Custom** inks from Domino

- Quality design
- Quality process
- Quality materials
- Quality people

Domino's *intelligent Technology* is at the heart of the printer ...



## Greener credentials

Domino's commitment and investment in sound environmental practices means we frequently exceed the demanding governmental, industry and company standards and regulations. We are committed to minimising the consumption of natural resources and energy and the creation of waste. Additionally, our products are RoHS and WEEE compliant so that they are recyclable.

## A420i

The new A420i, with a reduced service routine, intelligent ink life - minimising waste as well as 40% reduced weight (versus previous models) – helping you to reduce your carbon footprint. With advanced energy saving software the printer can even automatically shut down when your production line stops.

# Service free – with intelligence inside

## Improved Overall Equipment Effectiveness (OEE)

The self-sealing **CleanFill** cartridges make fluid replenishment easy and safe – and of course, they can be changed while the printer is operating. The larger volume makeup cartridges provide extended runtime between changes.

The result? A printer that is online for longer, with fewer interruptions – and less waste.



## The **Qube** – no maintenance, no fuss

At the heart of the **i-Tech** ink system is the revolutionary **Qube**, which contains the working ink and ink filters. Changing the **Qube** is a job that anyone can do in less than 10 minutes.



## Intelligent

The **A420i** uses the **i-Tech** ink system to monitor how it is being used, including working out when consumables are due for replacement.



# Easy to integrate – production lines are complex enough



## Versatile

A range of User Interface (UI) options to suit every application and make management of multiple printers more convenient.

- Onboard interfaces
- Remote and web server
- Standard functions and networking protocols



## Accessible

Easy to integrate into complex environments with a wide range of Input/Output (I/O) to suit your needs. Our patented scripting technology allows special functionality without complex coding.

# Easy to use – for a stress free line

## Simple

**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.

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



## Secure

For controlled situations, security management is included and is GAMP 5 compliant. So you can determine who has access to the settings. Message templates and text fields enable secure message editing, eliminating error.

# Easy to live with – because your time is precious



## 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.

## Reliable

Combined with class-leading filtration and modulation, the Domino **A420i** incorporates a temperature-controlled head and measured viscosity control system to ensure consistent and efficient operation.



## Consistent

You can leave the **A420i** to get on with the job, through start up, during operations and shut down, with the peace of mind that it will deliver performance and quality, consistently.

**Domino. Do more.**



# A quick tour around the A420i

## Easy to install and maintain

Sleek industrial design is a noted feature of Domino printers.

**SureStart**  
print head

**QuickStep** operator  
interface or **SureTouch**  
keyboard

The **i-Tech** ink system,  
extended to allow for  
**i-Tech, Specialist**  
and **Custom** inks

The revolutionary **Qube**,  
housing ink and filters

Fully integrated and coordinated  
range of accessories

High quality materials  
and construction



Our next generation of primary coders deploy our unique *intelligent Technology* system, **i-Tech**. Our aim was to make production lines lower maintenance, lower cost and more efficient. **i-Tech** has helped us to achieve that aim.

**Domino. Do more.**



## Technical Specification:

### A420i

Operational Capability	
Max number of unicode characters per line	255
Max number of lines	4
Max number of messages per store	256
Max number of stores per printer	16
Max line speed (SL 5x5)	325m/min

Interfaces	
QVGA (320x240) with <b>SureTouch</b> key board	Standard
SVGA (800x600) colour <b>TouchScreen</b>	Optional
<b>TouchPanel</b> remote touch screen	Optional
Ethernet (web server and email)	Standard
USB	Standard
RS232	Optional
Domino Protocols	Codenet/Intercom
Industry Protocols	ZPL (limited)
4 stage 24v beacon (Port is standard)	Optional
4 stage voltage free contacts	Standard
Programmable i/o (8 Inputs and 8 outputs)	Optional
Product detect	Standard
Shaft encoder	Standard

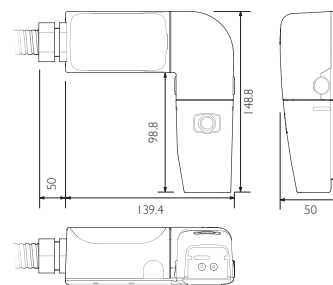
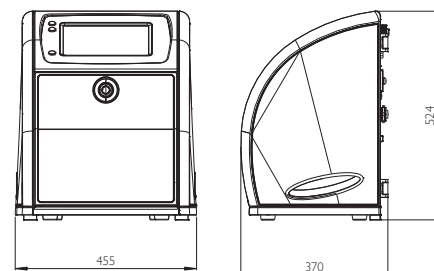
Environment	
Weight	24.5kgs
IP rating	IP55
Operating temp	5-45°C (40-112°F)
Humidity	10-90%RH
Power requirement	100-240V:4A 50-60Hz
Power consumption	56.3 Watts

Compliance	
CE	Standard
TUV	Standard
RoHS	Standard
Sony Green Partner	Standard
Eupia compliant inks	Standard
Heavy metal free inks	Available
Halogen free inks	Available

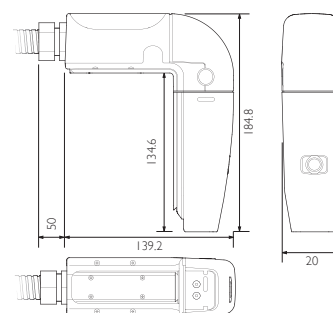
Print head	Standard
Conduit length	3m
Bend Radius	65mm
Nozzle size	60µ or 75µ
<b>SureStart</b>	Standard
Heater	Standard
Positive air pump	Optional
Air Dryer	Optional

Ink System	Standard
<b>i-Tech</b> ink system	Standard
<b>CleanFill</b> ink cartridge	825ml*
<b>CleanFill</b> MU cartridge	1200ml*
<b>Qube</b> Replacement	In dependent*
Routine Servicing	None
* operator task	

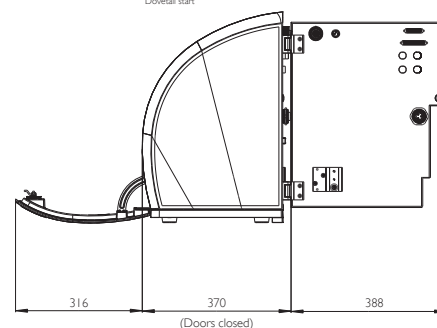
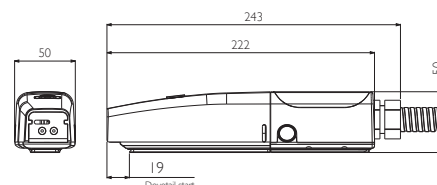
Not to scale.  
For illustrative  
purposes only.



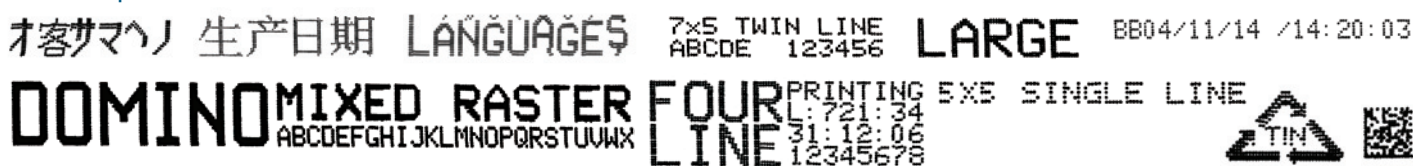
Horizontal 90 Degree Print Head Installation Dimensions



Vertical 90 Degree Print Head Installation Dimensions



## Print Sample



[www.domino-printing.com](http://www.domino-printing.com)

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