DOMINO

The A420i ink jet printer

Uses less. Does more.

The *intelligent Technology* in Domino's **A4**20i meets your exact coding needs with reduced makeup use and no servicing, so costs less to run than any other ink jet printer.

Domino. Do more.

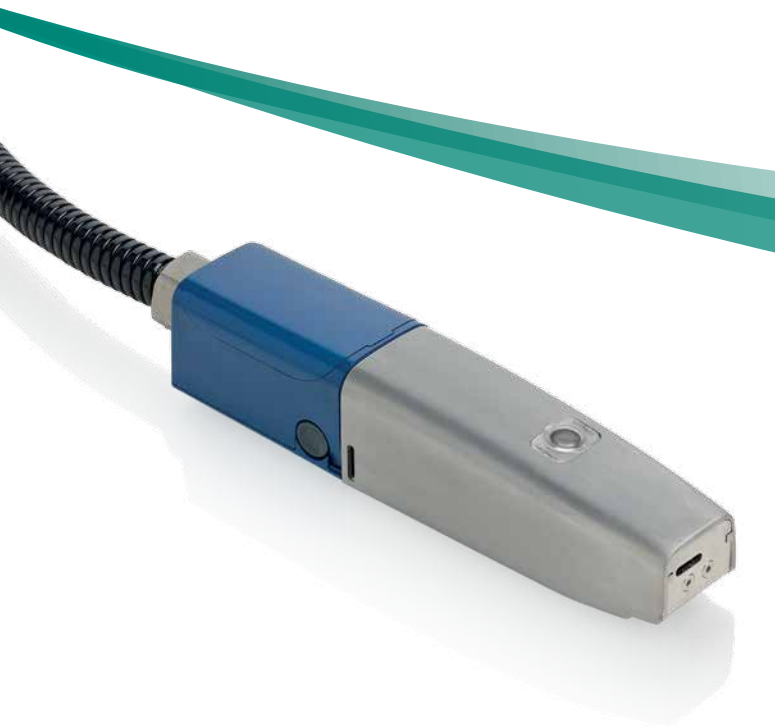## Efficient, high performance coding

From the moment you press the start button, the *intelligent Technology* within the A420i continuous ink jet printer reduces your total cost of ownership.

The A420i builds on our heritage of delivering highly reliable continuous ink jet printers: it is there for you when you need it on your production line, with class-leading 99.75% availability.

Our unique service free **i-Tech** ink system delivers ultra-low makeup usage, reducing costs and operator intervention.
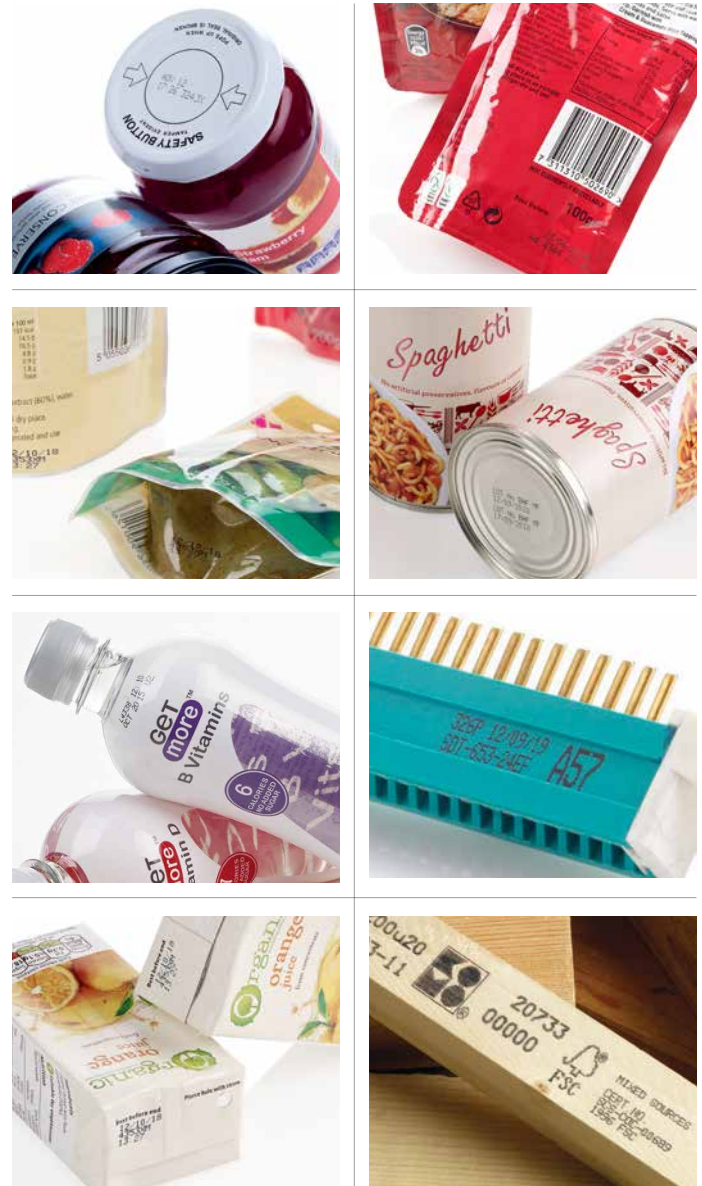
The A420i simply has the flexibility to meet your exact coding requirements, whether they are for high speed, micro printing or difficult substrates.

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 …

i-Tech inks that uniquely fully comply to EuPIA listings for food packaging

EuPIA
European Printing Ink Association
A sector of CEPE aisbl

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.
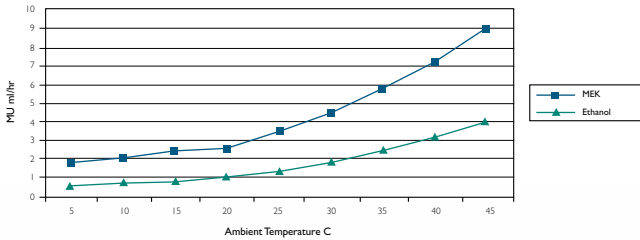
A420i

The A420i, with its service free routine and intelligent ink life, minimises waste ink by up to 90% – makeup use has been reduced to less than 1ml per hour at 20˚C. This, combined with 40% reduced weight (versus previous models), helps you to reduce your carbon footprint. With advanced energy saving software the printer can even automatically shut down when your production line stops.

A420i ink jet printer

Efficient – lowest total cost of ownership

Lowest makeup usage

The A420i printer has the lowest makeup consumption of any ink jet printer, saving you time and money: makeup typically lasts four times longer than other printers in its class.

Reliable

The A420i printer is always available – with typically class-leading 99.75% reliability.

The self-sealing **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 A420i is online for longer, with fewer interruptions and less waste.
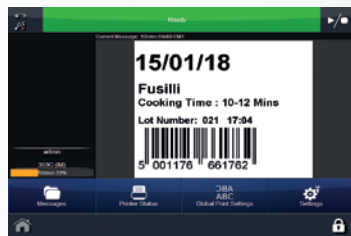
Service free – no maintenance, no fuss

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

Easy to use

QuickStep User Interface – no action is more than 3 taps 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.

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.

Simple

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

A420i variants

Flexible – to meet your exact coding needs

We offer a range of additional flexible options – from high-definition micro printing to single or twin jet. With its clever modular design, the print head has easily replaceable parts without the need to replace the complete print head and conduit. Efficiency is guaranteed with low makeup usage, in both the Duo™ and Pinpoint™ print heads – and you have the options of heavy metal and halogen-free inks.
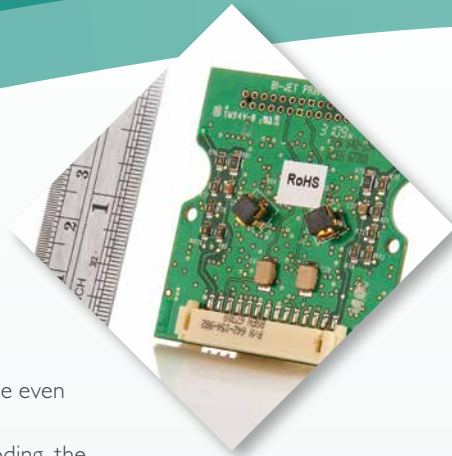
A420i Duo™

Quick

High speed printing without loss of quality – the fastest and most efficient continuous ink jet printer available for your coding needs today. Uniquely deploying two ink jets within the same head, the Duo™ can print twice as quickly – to meet demanding high speed requirements. The Duo™ can also print up to 8 lines of text (twin 4-line codes) for multi-line printing applications.
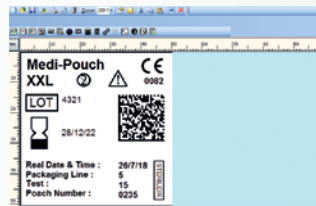
A420i Pinpoint™

Flexible

High definition micro printing under 1mm high – we can code even the smallest component.
Ideal for all applications requiring discreet and high quality coding, the modular design and heated head technology ensure consistent code quality from startup to shutdown.

QuickDesign Lite - Simplifying message design

QuickDesign Lite is a single, easy to use Windows® application that gives you the flexibility of creating all types of coding messages from a remote PC. It also lays the foundation for providing increased automation of your coding needs.

User Interface Options

Versatile

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

- Onboard interfaces – keyboard or touchscreen
- Remote and web server
- Standard functions and networking protocols

Domino. Do more.

A quick tour around the A4**20**i

Our unique *intelligent Technology* system, **i-Tech**, helps your production lines lower maintenance, lower costs and be more efficient with your coding requirements.

QuickStep Easiest and most intuitive user interface

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

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

Pinpoint™ samples

3 LINE HI-DEF CODE **Domino**

DOMINO 0.8mm MICRO PRINT DOMINO P/N 642-154-982

DOMINO hi-def **PinPoint**

DOMINO hi-def **PinPoint**

Duo™ samples

LARGE MEDIUM AND SMALL

ULTRA HIGH SPEED TWIN LINE PRINTING

8 LINES OF HIGH QUALITY PRINTING 08/12/15 09:11 AE4512 BATCH 5R4

6 LINES OF HIGH SPEED CIJ 7x5 PRINTING 12346

DUO FLEXIBLE AND FAST

DOMINO 14:46:05 05 DEC 2012
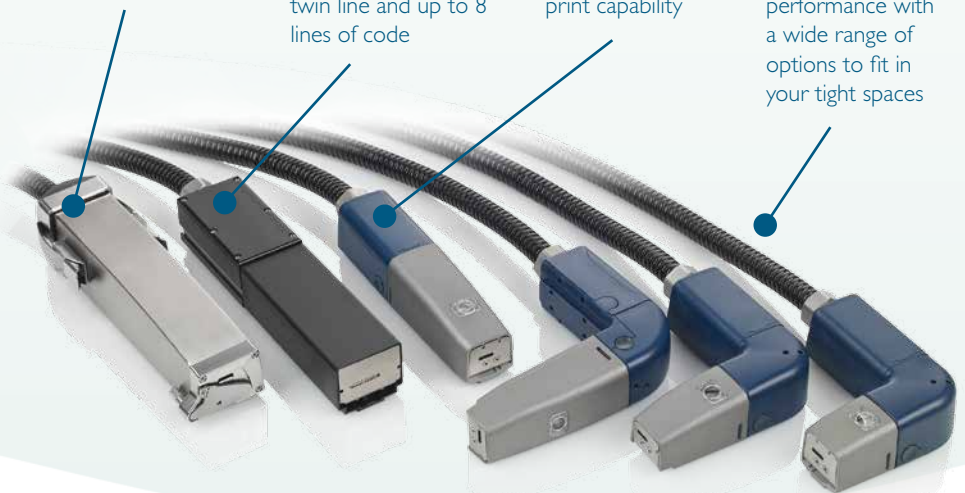
Heavy Duty IP65 print head cover gives the ultimate protection

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

Pinpoint™ print head delivers high definition micro-print capability

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

Domino. Do more.

Technical Specification:

	A420i
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 messages per store	256
Max number of stores per printer	16
Max line speed (SL 5x5)	325m/min
Interfaces	
QVGA (320x240) with *SureTouch* key board	Standard
SVGA (800x600) colour touch screen	Optional
TouchPanel remote touch screen	Optional
Ethernet (web server and email alert function)	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

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

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
***SureStart* Print Head**	
Standard and Duo	
Conduit length	3m standard or 6m optional
Nozzle size	60µ or 75µ
Pinpoint	
Conduit length	3m standard or 4m optional
Nozzle size	40µ
Conduit bend radius	65mm
Heater	Standard
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
Solvent Reduction (Peltier)	Standard
* operator task	

Not to scale.
For illustrative
purposes only.

(Doors closed)

Standard Print Head

Heavy Duty Print Head

Pinpoint Print Head

Duo Print Head

Horizontal 90 Degree Print Head Installation Dimensions

Vertical 90 Degree Print Head Installation Dimensions

Horizontal 90 Degree Pinpoint Print head

www.domino-printing.com

A420i/0315   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.