



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

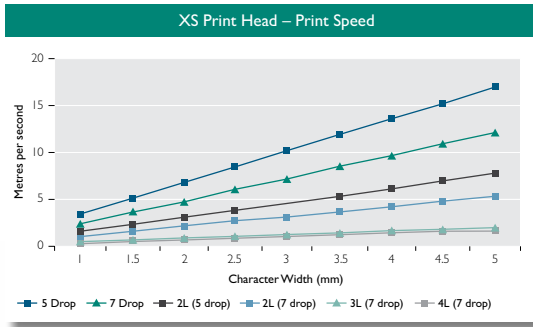
- Just press a single button and walk away. We call it **SureStart**. It's our unique print head with a nozzle sealing and flushing process that guarantees consistent performance
- You can choose to have the **TouchPanel** either mounted directly on the printer cabinet or separately to suit your operator 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

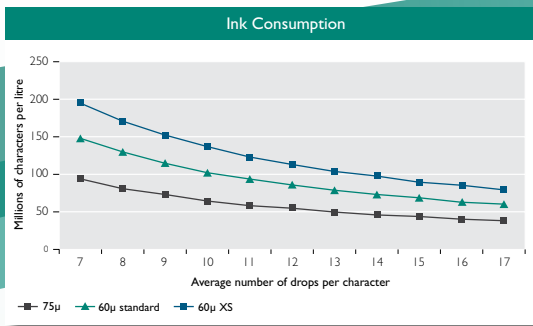
Highest performance, lowest total cost of ownership

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:



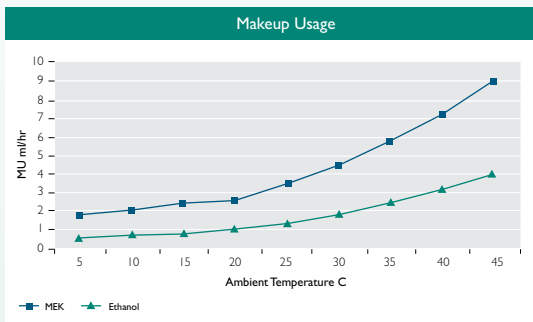
Highest speed

When specified with an XS print head, a line speed of up to 17m/s can be achieved when using a 5 drop font and 5mm wide characters. A 2-line code, 5 drop font can run up to 7.7 m/s



Low ink usage

Almost 200 million characters per litre can be achieved



Lowest makeup usage

The A520i printer has the lowest measured makeup consumption of any ink jet printer, saving you time and money

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.



Domino. Do more.

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

Control multiple printers from **TouchPanel**

QuickStep Easiest and most intuitive user interface

Mount **TouchPanel** where convenient



XS samples

DOMINO XS PRINTHEAD
50 MICRON HIGH SPEED
123456789 10
CLEAN AND CLEAR

DOMINO XS HIGH SPEED
CLEAN AND CLEAR

DOMINO XS PRINTHEAD 2M
50 MICRON HIGH SPEED 16
123456789 10
CLEAN AND CLEAR

DOMINO XS HIGH SPEED

Duo samples

ULTRA HIGH SPEED
TWIN LINE PRINTING

LARGE
MEDIUM
AND SMALL

3 LINES
OF HIGH
PRINTING
09/12/15
09/12
09/12
BATCH 09A

6 LINES
OF HIGH
SPEED
C13 2x5
PRINTING
12346

DOMINO
14:46:05
05 DEC 2015

DUO
FLEXIBLE
AND FAST

Pinpoint samples

DOMINO P/N 642-154-962

3 LINE
HI-DEF
CODE Domino

DOMINO hi-def PinPoint

DOMINO hi-def PinPoint

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

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



Domino. Do more.

Technical Specification:

A520i

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)	510m/min

Interfaces

TouchPanel remote touch screen (IP65)	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	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
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
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.

