



# The **N730i** digital colour label press

Discover what you can do



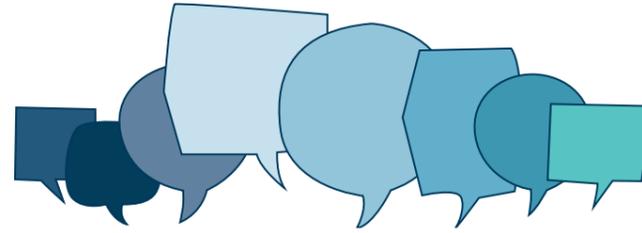
Setting new standards in high performance  
1200dpi ink jet label printing



Domino. Do more.

## Introducing the N730i

In designing the new N730i, we began by asking our customers what would make their business better. There are now over 1,000 customers using the Domino Generation 6 ink jet technology, so we received a lot of answers. Combining that insight with our technical expertise and in-house manufacturing capability, we were able to design and build a completely new label press solution from the ground up. It is a team effort and we are proud to introduce our N730i based on the latest Generation 7 platform.



## How we make it easy for you

Having a single button to print is an aspiration for digital label press manufacturers, but there is a lot more to ease of use than the way you start the web rolling. We wanted to simplify your work, by automating the N730i as much as possible, going beyond job set up to include monitoring what happens while the job is in progress. We created a system with the ability to sense, communicate, and learn from experience.

That really is starting something.



## We listened to our customers

### “We want consistent quality”

Our customers told us that quality is critical but not just quality alone. They confirmed that they needed exceptional and consistent quality at high production speeds.



We addressed the need for exceptional print quality through our revolutionary BITSTAR™ print head and enhanced some of our **i-Tech** features to ensure consistent quality at high production speeds.

### “We want ease of use”

They told us that ease of use is just as important as speed and throughput.



We designed an intuitive user interface which is easy for the operator to interact and engage with. Offering a fresh and modern feel, we believe that the SunLight interface makes the N730i one of the most intuitive interfaces on the market today.

### “We want maximum flexibility”

They wanted maximum flexibility with financing options, tailored services and the ability to evolve the solution to help their business be as competitive as possible both now, and as their needs change, in the future.



We considered maximum flexibility by providing customers with a wide range of alternative finance and support service offerings; plus optional flexo stations for priming, spot colours or varnishing which can be retrofitted as their business needs change.

# Discover the power and the potential

Accessing new markets and delivering for demanding customers puts everyone under pressure to perform.

The consistent high quality of output, high speed operation and printing efficiency of the **N730i** establishes it as an asset that will help your business compete and win.



## High performance technology – 1200dpi with consistent quality at speed

At the centre of the **N730i** is the BITSTAR™ 1200dpi print head. Designed to deliver exceptional print quality at an optimal high speed of 70m/min, including white.

A completely unique design, the BITSTAR™ is primed with technical features that stretch the possibilities of digital print quality.

Unique and patented triple layer polycrystalline micro piezo technology minimises cross talk and delivers precise nozzle control for optimum drop placement accuracy and superior print results.

That consistency is maintained throughout the lifetime of the head, greatly extending its useful life and long term value. The BITSTAR™ print head delivers unparalleled quality at speed and exceptional reliability.

### BITSTAR™

## Revolution in resolution

The central challenge of ink jet printing is to ensure reliable, high quality images on a wide range of substrates. In the search for the highest possible quality of image, Domino developed the combination of smallest drop sizes to achieve the finest detail.

The **N730i** is capable of printing a smallest drop size of 2.1pl and nominal drop sizes of 2.8pl and 3.3pl.

The result is consistent ink density across the image. That means sharper edges, smoother gradients, exceptional quality and greater accuracy at any scale.

Take a look at what we can do...

**01 seven colour**  
he Domino N730i

1200dpi的多米诺N730i七色版  
了革命性的打印头技术N730i  
多晶层压技术减少了串扰增  
进第二代的i-Tech技术给客户  
减少停机维护时间。

Printed on **DOMINO N730i** ink jet press

**POLYSPORTS**  
supplements & additives

**RASPBERRY Flavour**

**PRO 66**

**Protein MILKSHAKE**

50 portions - 500 g

With vitamins & minerals    Increase muscle size & strength    Ultra fast absorption    Approved quality

Energy: 9000 kJ / 2100 kcal  
Fat: 0 g  
Of which saturated fatty acids: 0 g  
Carbohydrates: 50 g  
Of which sugars: 40 g  
Salt: 0 g

1200dpi的多米诺N730i七色版印刷机  
了革命性的打印头技术N730i，进线更小的墨滴更  
多晶层压技术减少了串扰增进了打印精度，进线更  
进第二代的i-Tech技术给客户带来更快捷的自动化方案，进  
线减少停机维护时间。

我们最新的面部几何SunLight用户界面更易于客户使用，进线更  
户界面更易于客户使用，进线更易于客户使用 (Domino Cloud)

进线更易于客户使用，进线更易于客户使用，进线更易于客户使用

Lot: 000000  
Best before: 05/05/20

0 000000 000000

**Xsence**

**Miracle touch**

**Blush Box**

3 x 5 g / Net Wt. 3 x 0.17 oz e

Printed on **DOMINO N730i** ink jet press

Smooth gradients, including grayscale, highlight detailed shadows over a smooth gradient.

Skintones are printed at exceptional quality with smoothness across tone changes.

# Discover the **N730i**

## Complete Overview



**Superior Print Quality:** 1200dpi with revolutionary BITSTAR™ print head technology, delivering consistent high quality output at 70m/min across all colours, with no reduction in white opacity.

**Unparalleled Production Efficiency:** Superior uptime because of the most advanced **i-Tech** features.

**Create tactile finishes:** Domino Textures can create tactile finishes, perfect to enhance shelf appeal.

**Make your print stand out:** Configurable in up to 7 colours and able to achieve up to 92% of the Pantone colour range.

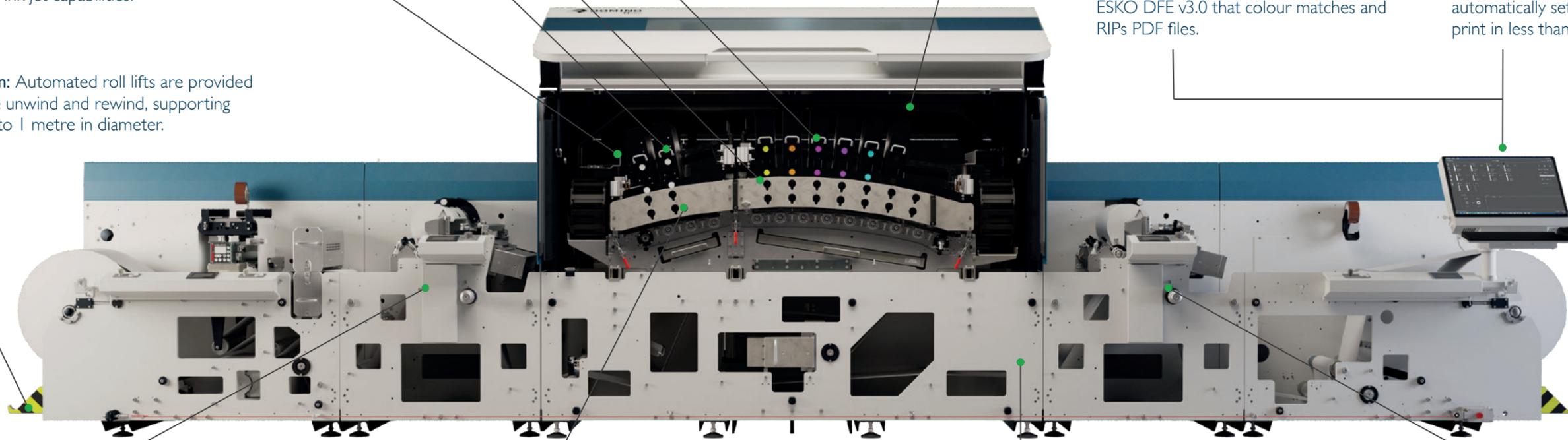
**Work flows more easily:** Workflow is modular in design, you can operate the press independently or completely automate the process. Adopting JDF/JMF industry standards, detailed reporting can be extracted via the Domino Viewer, which is provided as standard.

**Ease of use:** Including the new Domino SunLight Graphical User Interface (GUI). At the press of a button, the **N730i** can be automatically set up and ready to print in less than a minute.

Configured with the industry standard ESKO DFE v3.0 that colour matches and RIPs PDF files.

**Step into new market segments:** Capable of supporting shrink sleeve applications and includes the Domino Shrink Sleeve App, providing industry leading UV digital ink jet capabilities.

**Ergonomic Design:** Automated roll lifts are provided as standard at the unwind and rewind, supporting media rolls of up to 1 metre in diameter.



**Flexibility:** Optional flexo priming station, which can be retrofitted, to optimise print quality on more difficult media types.

**Accessibility:** The print carriage is delivered through an innovative slide system, allowing the user to pull the print carriage outside and towards the front of the machine.

**Robust industrial performance in mind:** Solid, industrial frame with easy access points to eliminate registration errors.

**Open new markets:** Optional flexo station, which can be retrofitted, to support varnishing, a brand spot colour or for cost-effective flood white for shrink sleeve applications.

## Ink jet intelligence

Domino's *intelligent Technology*, or **i-Tech**, features are given their name because we consider them to be outstandingly clever elements whose inclusion measurably improves efficiency, use, function and reliability.

Our teams have now further improved some of the existing **i-Tech** enhancements and created some new ones, including **i-Tech CleanCap2** and **SetAlign**. The best has just become better.



## Automated cleaning with **i-Tech CleanCap2**

Are you still manually wiping your print head? This automated print head cleaning and capping technology is a consistently controlled process which reduces manual operator intervention and reduces waste.



## Consistent print quality with **i-Tech NozzleAdjust**

When a missing or deviated nozzle is identified, they can both be compensated using our automated **NozzleAdjust** feature, extending the in-use lifetime of print heads in conjunction with delivering consistent print quality at high speed.

Before Compensation



After Compensation



For illustration purposes only

## Save time and increase print quality with **i-Tech SetAlign**

The innovative **i-Tech SetAlign** is an automated system that sets density and accurately aligns the print heads. This combination of consistent density, created by the voltage trimming across the entire print bar, with the precise head alignment results in a uniform and seamless print across the full web width. Exceptional quality is delivered, every time.



## Jets that keep jetting with **i-Tech ActiFlow2**

**ActiFlow2** has been engineered to provide full ink circulation throughout the entire ink system, including the print head. This prevents micro air bubbles and pigment sedimentation from forming, whilst also maintaining a consistent ink temperature. This results in enhanced ink stability and performance, delivering consistent print quality and system reliability.



# UV9I ink range widens your market

The exceptional resolution and consistency of the BITSTAR™ print head is matched by the performance of our UV ink range. The **N730i** with our **UV9I** ink set, which has been engineered for optimum 1200dpi performance, opens up more markets, with a wide colour gamut, including solid white at 76% opacity at 70m/min, high resistance to UV, and strong adhesion and abrasion properties. **UV9I** can also support shrink sleeve applications.



## Applications

The **UV9I** curable ink set is ideal for:



## Seven colour print

The **N730i** can be configured to print up to seven colours, including orange, violet and white. The full CMYKOVW combination makes it possible to achieve 92% of the Pantone®\*\*\* colour matching system range, without the need to mix spot colours.

## Silk white without the silk screen

Domino digital white prints at 76% opacity to create the highest impact artwork.\*\*\*

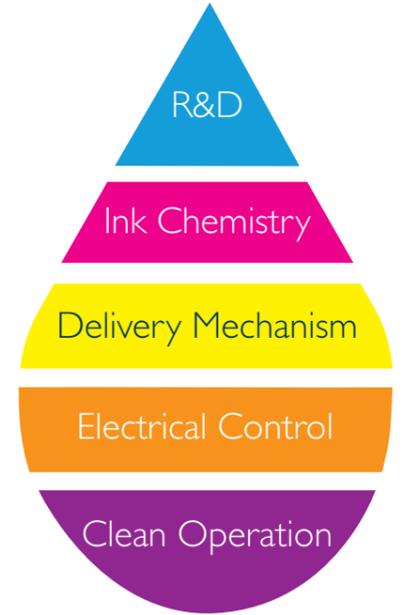


\*Subject to regulations in the given market and when a migration barrier is in place  
 \*\*Subject to delta E and media specification \*\*\*Media dependent

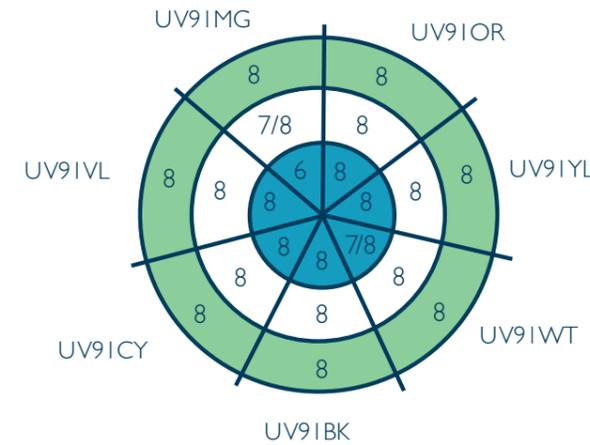
# What's in a drop?

High resolution might seem like everything there is to say about image quality, but there are many more variables that can affect the finished print.

Domino formulates its own ink sets to provide the range of colours, durability and permanence required by the most exacting applications. Engineering the print head and ink formulations to deliver colour vibrancy and ink drops as small as 2.1 picolitres is akin to magic, the ink appearing as if from nowhere.



- PP Top White
- PE 85 TC
- MC Primecoat



## Colour that stays

- ✓ Using the Blue Wool Scale, the relative lightfastness of different pigments can be measured. The maximum rating is 8.
- ✓ On many substrate types, **UV9I** achieves the maximum score.
- ✓ **UV9I** inks maintain full adhesion on heat sensitive shrink labelling, even when reduced by 70%.\*\*\*

## Bring print to life

Unique Domino textured label effects can be created on standard paper, PP and PE materials. Achieve premium product branding with enhanced shelf appeal.



# Make The Right Choice with Domino

"If you are looking for a digital partner, there's a lot more than Technology that you need to consider. At Domino Digital Printing Solutions, we don't just sell products. Let me introduce you to The Domino Difference..."

**David Ellen**  
Divisional Director  
Domino Digital  
Printing Solutions



## The Domino Difference

We're all about selling Digital Printing Solutions that add value and will help our customers to differentiate and grow their businesses. Domino has been built on strong foundations and it is the combination of these four pillars or cornerstones that make up The Domino Difference: Trusted Brand, Global Service, Sales Support and Proven Technology.



## It's never been easier to invest in digital

Ask about our flexible leasing solutions, our competitive rates are generally lower than banks or third party leasing companies. Plus, you're dealing directly with Domino and no personal guarantees are required.

And it's all backed up with our excellent global customer service as well as a choice of service levels, spares, consumables, maintenance and training plans, all tailored to your unique business needs.



# Digital Solutions Programme

The Domino Digital Solutions Programme provides you with market leading training and consultancy services, helping you to identify how to unlock new growth potential whilst maximising the efficiency and output of your **N730i** digital press.

Maximising opportunity and helping you do more  
With Domino you can be assured that we are with you 'every step of the way' and our Digital Solutions Programme is designed to provide you with tailor-made consultancy services that deliver significant value to your business.

**David Brugalla**  
CEO, Conver Autoadhesivos, Spain

"The Domino Digital Solutions Programme training enabled us to meet the increasing demands from our customers for printing labels and sleeves with variable data. I am very satisfied with the improved performance achieved".

## You're in safe hands

We've designed our support packages around our customers' needs. **TotalCare** provides our customers with an extended warranty and preventative maintenance package at a fixed price. It is built to provide our customers with choice and flexibility as their business grows.

Whatever your support needs, you can rest assured that you're in safe hands with Domino and our **TotalCare** programme. We have it covered.



**Kevin Hayes**  
President, Outlook Group, USA

"Our mission is to save our customers time by finding solutions that are efficient, innovative, and sustainable. Domino helps us with that, they've been helping us for 12 years and will continue to do so in the future."

## We put support exactly where it's needed... on the ground

### Global Service & Support

The Domino field service teams are always ready to help you maintain the performance of your business.

With the insight that comes from working on a product we design and build ourselves, and the experience of helping a broad customer population, our customer support services are highly rated and recognised worldwide.

It increases the depth of support we can offer as well as the speed of response, but most of all it increases the strength of the relationships we have with our customers.

### Over 1,000 Partnerships

The **N730i**, using our Generation 7 technology, is the product of more than 40 years of ink jet innovation, the insight and expertise of more than 3,000 employees, and the experience of over 1,000 installations of our Generation 6 ink jet technology.

Designed and built within the Domino and Brother Group: hardware design and manufacturing, software UI, ink chemistry and formulation. Installation, maintenance and support are equally vital components of the press.



## About Domino



## A trusted brand

Domino was founded in 1978 in Cambridge, UK to develop ink jet printing technologies. Our roots were firmly in the science of ink jet printing and our people have made many contributions to the physics and chemistry of the industry, registering patents for much of their work. As a highly successful commercial business, Domino has an enviable record of achievement, of international sales, and a reputation for quality and customer care.

Through a global network of 25 subsidiary offices and in excess of 200 distributors, the Domino Group operates in over 120 countries employing over 3,000 employees worldwide with manufacturing facilities situated in UK, China, Germany, India, Switzerland, Sweden and USA.

On 11 June 2015, the Domino Group was acquired by Brother. Brother is a registered trademark of Brother Industries Ltd.



### Greener credentials

Domino's commitment and investment in sound environmental practices means we frequently exceed the increasingly 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. Our ink jet printers are RoHS and WEEE compliant so that they are recyclable.

### **N730i**

The **N730i** requires no plates, no plate making process or associated materials for washdown purposes and with fewer curing lamps than a flexo press, it uses less energy resulting in reduced costs. It creates very little media waste – this can be less than 2m (6ft) per job /substrate change\* and the capability to 'print-on-demand' results in less over-printing and reduced storage requirements.

The **N730i** is supplied with UV curable inks representing an efficient use of our natural resources. Although UV curable inks are chemicals and need to be used correctly, they offer significant environmental benefits compared to solvent alternatives. Solvent inks include up to 95% volatile solvents that evaporate into the environment and require regular print head cleaning. **N730i** UV curable inks contain an average of 3.3% volatile solvents.

\*based on theoretical calculations

## Technical specification

### N730i

#### Technology

- Piezo Drop on Demand ink jet

#### Printing Speed

- Up to 70m/min (230ft/min) with optimum print quality

#### Image Resolution

- 1200dpi native including 3 drop sizes

#### Image Formats

- 340mm (13.4") maximum print width

#### Web Width

- 170mm (6.7")\* to 340mm (13.4")

#### Media Type

- Polyethylene, polypropylene and paper self-adhesive label stock
- Selected unsupported media

#### Inks

- **UV91** is available in UV curable Cyan, Magenta, Yellow, Black, Orange, Violet and White.

#### Unwind/Media Preparation/Rewind

- 1000mm (39") diameter
- Maximum roll weight: 350kg (772lbs)
- Servo driven tension control
- Corona treatment module
- Dual sided web cleaner
- Web guide module

#### Workflow

- ESKO DFE v3.0
- Domino ScreenPro, ScreenPro HS, ScreenPro UHS
- JDF/JMF Support

#### Central Print Module

- Anti-static control
- Up to 7 colour print section
- UV LED pinning
- UV curing module
- Chilled roller

#### Options

- In-line finishing interface
- In-line inspection
- Variable data printing
- Flexo stations - priming/varnishing

#### Dimensions

- 6.208m (L) x 2.066m (H) (2.218m minimum clearance required) x 4.127m (W)
- 20.3ft (L) x 6.7ft (H) (7.25ft minimum clearance required) x 13.7ft (W)

#### Weight

- Unwind: 788kg (1737lbs)
- Print module: 2300kg (5070lbs)
- Rewind Unit: 679kg (1497lbs)
- Electronics Cabinet(s): 750kg (1654lbs)
- Ink Cabinet(s): 100kg (221lbs) each
- Flush Cabinet: 75kg (165lbs) each

#### Services

- Three phase power - one 380-420V drop
- Compressed air - one drop @ 6-8 bar (90-115psi), clean and dry

#### Environment

- Optimal temperature range 20-22°C (68-72°F)
- Maximum temperature range 20-25°C (68-77°F)
- Ink storage 20-25°C (68-77°F)
- Optimum humidity range 40-60%
- Dust controlled environment preferred

#### Registered Office Details:

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