



The **N730i** digital colour label press

Discover what you can do

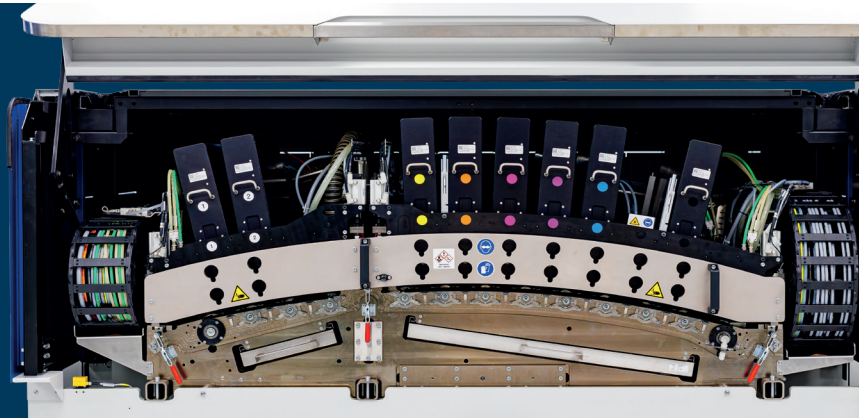


Setting new standards in high performance
1200dpi inkjet label printing

Domino. Do more.

Introducing the **N730i**

The Domino **N730i** digital label press represents a cutting-edge advancement in digital printing technology, tailored for the demanding needs of modern label production.



Combining excellent print quality at 1200dpi with remarkable speed and efficiency, the **N730i** leverages state-of-the-art UV inkjet technology to deliver vibrant, high resolution labels suitable for various industries.

With its robust performance and versatility, this digital label press enables businesses to streamline their production processes, reduce waste, and meet the evolving demands of their customers with exceptional precision and reliability.

Overview

1200dpi print quality

- ◆ Print your intricate fine line artwork and seamless gradients alongside solids with the most consistent optical density at up to 70m/min, with the option to upgrade to 90m/min.

Automation delivering superior production efficiency

- ◆ Experience unparalleled production efficiency with our latest **i-Tech** features including **ActiFlow2**, **CleanCap2** and **SetAlign**.

Domino & Brother manufactured printheads and ink set

- ◆ Equipped with the revolutionary Brother BITSTAR™ printheads and Domino manufactured ink, the **N730i** has been engineered specifically for outstanding performance in label production.

*"Being the first customer of the **N730i** is giving us the opportunity to explore new capabilities in our market. We can now look for finer tone work, smaller droplets sizes to help us with sleeves. Going forward is a very exciting opportunity for us."*

Adrian Brown Managing Director, Olympus Labels (now part of All4Labels)

Hear from some of our customers

Scan to watch



*"Domino is a great partner, and it's nice to have somebody that's got the technology, and the service, and the people that you can rely on to help you get through the next phase. With the additional capabilities of the **N730i**, there was really no other choice to be made."*

Steve Grace President of Grace Labels



Scan to watch



*"We were looking for impeccable quality, at high speed. With the Domino **N730i**, all our productions run at 70m/min with a constant quality, which remains excellent with a very opaque white."*

Frédéric Brisson Manager, Socaret Etiquettes



N730i Integration Module

Looking for a high print quality hybrid solution? Incorporating all the same cutting-edge technology provided as standard with the **N730i** reel-to-reel label press, the **N730i Integration Module** enables you to merge the exceptional capabilities of digital printing with flexographic processes to create your preferred hybrid solution.

It offers the ultimate in flexibility, efficiency and quality, allowing you to integrate with any OEM partner of your choice and to any configuration of your choice.

Scan to find
out more



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.

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

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

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.



High-speed Productivity Mode:
Achieve speeds of up to 90m/min.

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

Workflow: **Sunrise DFE** is an AI-enabled, user-friendly workflow solution with flexible tools, intelligent automation, and advanced features for faster, more accurate, and efficient printing.

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.



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

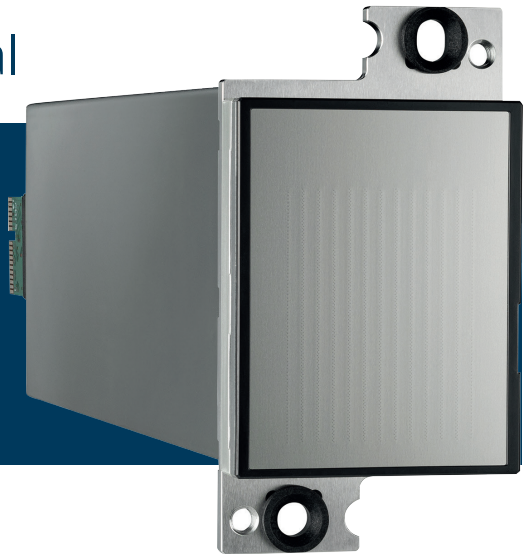
Open new markets: Optional flexo station, which can be retrofitted, to support varnishing, a brand spot colour or for cost-effective flood white applications.

R-Scan monitoring and inspection camera system: Optional camera system with a suite of automated print quality and variable data assurance tools.

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. 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™

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.

Faster labels, greater profits

Enhance your label printing efficiency by upgrading to the **N730i** high-speed productivity mode and increase print speeds to a maximum of 90m/min with no perceptible difference in print quality, compared to the standard operating mode. Respond to customer and market demands faster with a 28% boost in productivity or cut production time by 22%, all while reducing ink usage by up to 8%. These benefits reduce the cost per label and enable more jobs to be completed per shift, helping you to maximise your return on investment and meet the growing demands of the label printing industry.

The **R-Scan** monitoring and inspection system for peace of mind

Quality control is a critical element in label production, contributing to minimising waste and maximising cost efficiency. The **R-Scan** is a print quality and variable data check and notify system, with automatic stopping of the press capability, that provides you with confidence and assurance requiring minimal setup time and supervision. It is the ideal solution to maintain demanding print quality standards, improve production efficiency and ensure customer quality requirements are met, while reducing re-work, waste and spoilage.



he Domino N730i seven colour

了革命性的打印头技术的N730i
带来了更平滑的图像质量和更少的
多晶微压电技术减少了串扰增强的
的第二代的i-Tech技术给客户带来
减少停机维护时间。
最新的图形化SunLight用户界面
作更简单、JDF/JMF以及多

Fine fonts and micro-text, Asian characters and intricate fine lined artwork can be achieved.

Fine details, such as geometric shapes and subtle shading are achieved with reduced mottle.

Bold colours are richer, more consistent and easier to match accurately.

Domino N730i seven colour digital label press at 1200dpi

The N730i is equipped revolutionary print head technology, offering the smallest combination of drop sizes, resulting in smoother tones and superior fine detail. Unique and patented triple layer polycrystalline micro piezo technology minimises cross talk and delivers precise nozzle control.

Providing our customers with the most automated solution, superior uptime is gained. This is delivered by our advanced i-Tech second generation features.

Ease of use is delivered through our graphical and intuitive SunLight user interface which includes JDF/JMF functionality and Domino Cloud capability.

Built on Generation 7 ink jet technology, the N730i is designed to produce superior print quality, unparalleled production efficiency and a system that's just so easy to use.

Average nutritional value per 100g	
Energy	0000 kJ / 000 Kcal
Fats	< 0 g
Of which saturated fatty acids	< 0 g
Carbohydrates	< 0 g
Of which sugars	< 0 g
Proteins	< 0 g
Salt	< 0 g

1200dpi的多米诺N730i七色数码印刷机

配备了革命性的打印头技术的N730i，因其更加微小的墨滴组合为图像带来平滑的色调表现和更出色的细节呈现。独有专利的三层多晶微压电技术减少了串扰增强了喷嘴控制精度。

先进的第二代的i-Tech技术给客户带来最便捷的自动化方案，极大地减少停机维护时间。

我们最新的图形化SunLight用户界面更易于客户使用。该新型用户界面支持JDF/JMF以及多米诺云（Domino Cloud）。

基于第七代的喷墨技术的N730i，出众的印刷品质，无可比拟的生产效率和易于使用性。

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

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

xsence

Miracle touch

Blush Box

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

Printed on **DOMINO N730i** ink jet press

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

Inkjet 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



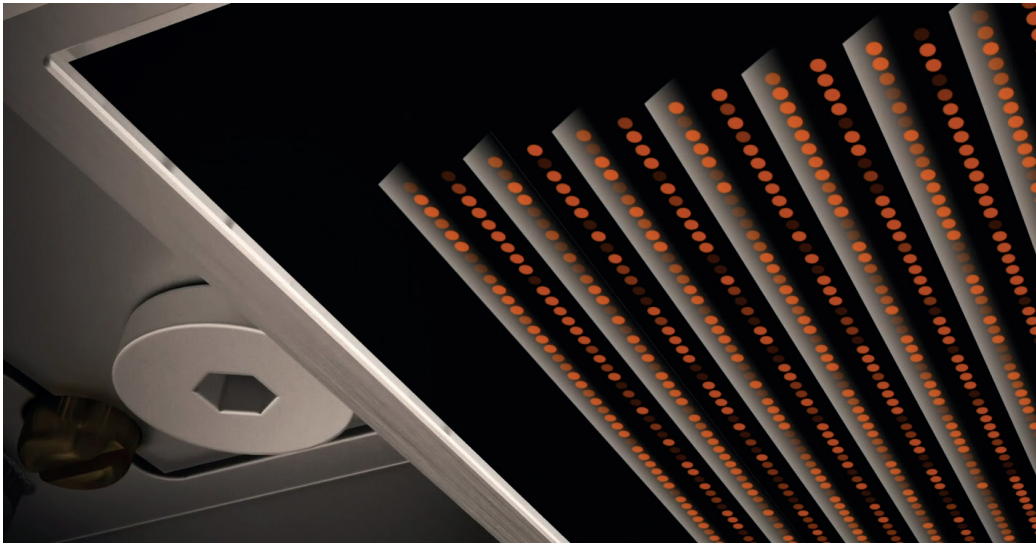
After Compensation



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.



Workflow

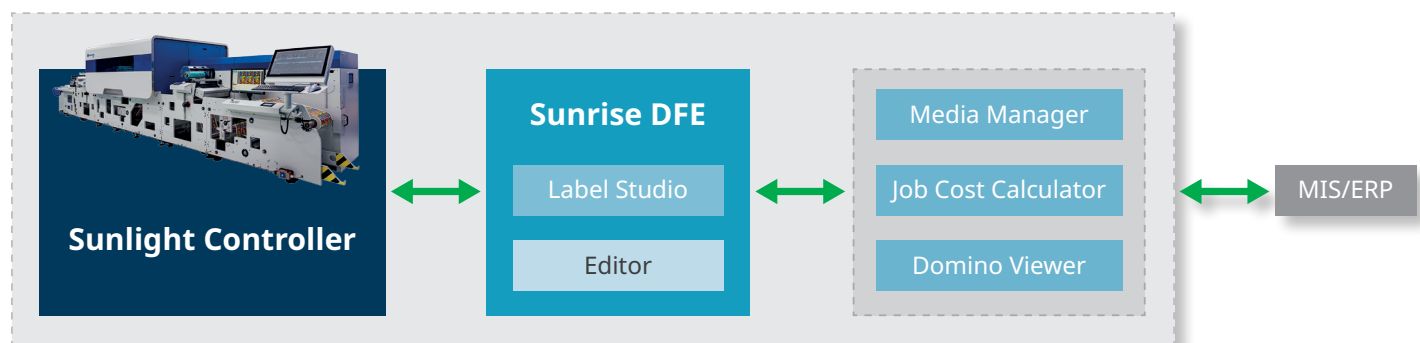
Domino Sunrise Digital Front End: Smarter, faster and fully flexible workflow automation

Developed specifically for Domino **N-Series** digital label presses, **Domino Sunrise Digital Front End (DFE)** is a comprehensive yet simple-to-use workflow solution that combines pre-press and production tools. Powered by AI and the world-leading **Harlequin RIP®**, **Sunrise** enables you to process jobs faster and more accurately than ever before.

Sunrise can be adapted to meet any level of needs. From simply starting and stopping the press, to inline variable data printing or advanced colour calibration tools, this **DFE** offers excellent flexibility, enabling you to streamline your production processes into print-ready jobs, without the need for a print specialist.

The latest version of **Sunrise** takes operational efficiency to a whole new level. Intelligent automation and new tools empower the press operator, reducing repetitive tasks for increased uptime without interruption to production.

N730i workflow ecosystem



Key benefits

Reduce your costs and waste

Sunrise offers advanced tools to estimate ink and material usage, reducing waste and improving control over production planning. The result is a more efficient, cost-effective, and sustainable manufacturing process.

Process jobs fast and accurately

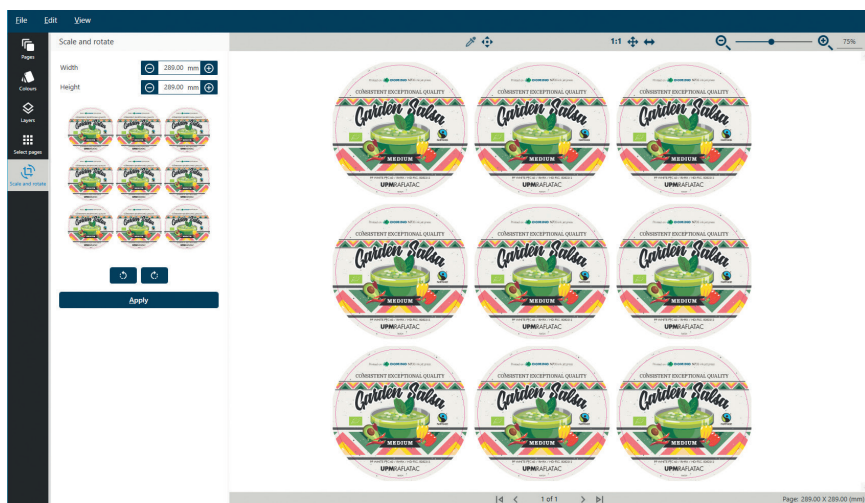
Sunrise streamlines pre-press by automating tasks via custom 'hot' folders and parallel processing, ensuring consistency, reducing errors, and minimising repetitive work.

Flexibility to meet all needs

Customise **Sunrise** with tailored workflows and MIS/ERP integration allows you to manage both simple and more complex jobs with ease. Its intuitive dashboard simplifies job management, while scalable architecture supports growing business needs.

Stream data directly to your Domino **N730i**

Inline variable data printing rips files in real time as you print, eliminating pre-processing and boosting productivity for even the most complex personalised jobs.

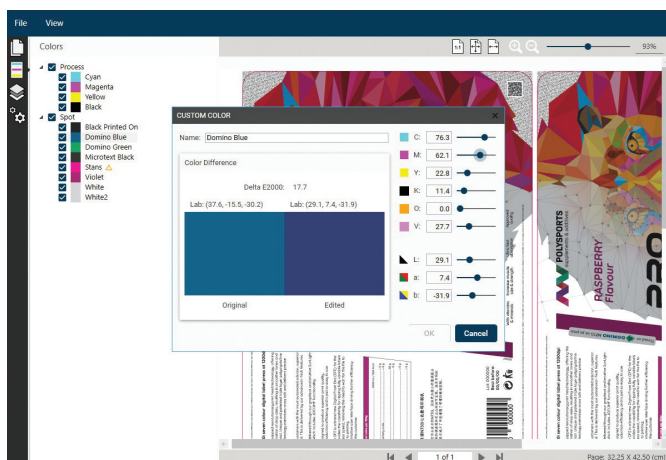


Streamline job setup with intelligent pre-press tools

Speed up job prep with integrated tools – Editor and Label Studio – to create press-ready PDFs without Illustrator. Smart ganging, dynamic marks, and automation cut errors and repetitive tasks, while real-time previews enable fast, accurate adjustments before ripping.

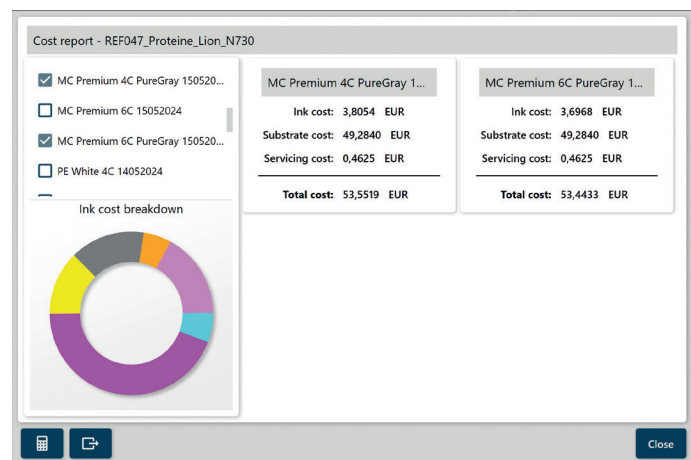
Variable data printing with inline ripping: Minimise idle time and boost productivity

Sunrise simplifies personalisation with fast, inline variable data printing and real-time ripping. Unlike traditional RIPs that slow production, it builds a smart RIP model using AI to handle 1,000+ PDF operations, optimise speed, reduce downtime, and support smarter scheduling.



Precise colour control for consistent prints every time

Sunrise ensures colour accuracy with tools for consistent results across jobs and technologies. Operators can fine-tune spot colours without changing CYMKOV values, use 'print and check' for precision. **Domino Media Manager** provides profiling and media characterisation for press calibration and ICC profile creation.



Take control of your print costs with accurate, real-time job cost calculations

Estimate and track costs with the **Job Cost Calculator** using custom ink, media, and service pricing. Compare projected ink costs by weight, area, and volume (4 or 6 colours) to optimise production and identify savings.

Real-time press monitoring and data-driven insights

Domino Viewer monitors press performance in real time, showing status, errors, job details, and cost predictions. It provides historical data and exportable reports, helping identify inefficiencies and improve equipment effectiveness. Access is via local network, VPN, or MIS integration, with customisable user permissions.

UV93 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 **UV93** 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.



Applications



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.**



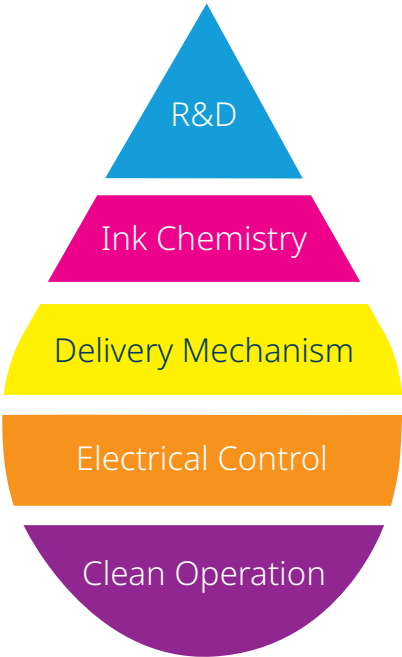
*Subject to regulations in the given market and when a migration barrier is in place

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.



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, **UV93** achieves the maximum score.
- ✓ **UV93** inks maintain full adhesion on heat sensitive shrink labelling, even when reduced by 70%.***

SUBSTRATE	UV93WT	UV93YL	UV93OR	UV93MG	UV93VL	UV93CY	UV93BK
PP Top White	8	8	8	8	8	8	8
PE 85 TC	8	8	8	7/8	8	8	8
MC Primecoat	7/8	8	8	6	8	8	8

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.



TotalCare

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 be rest assured that you're in safe hands with Domino and our **TotalCare** programme.

"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."

Kevin Hayes President, Outlook Group, USA

About Domino



A trusted brand

Domino was founded in 1978 in Cambridge, UK to develop inkjet printing technologies. Our roots were firmly in the science of inkjet 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 29 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 inkjet 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 inkjet and Brother BITSTAR™ printheads

Printing Speed

- Up to 70m/min (230ft/min) with optimum print quality
- Option to upgrade to 90m/min

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

- UV93 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

- Sunrise DFE
- 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 monitoring and inspection camera system
- 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

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