



N6 I0i-H

5 Colour Hybrid Digital Label Press

Revolutionize digital label printing by combining it with flexo capabilities

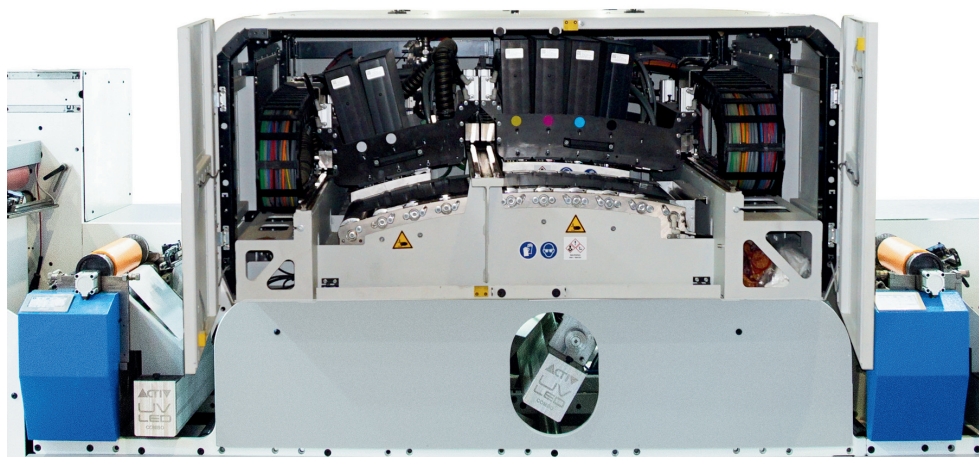


Domino. Do more.

Drive label printing efficiency and innovation with the Domino **N610i-H** Digital Label Press

Building on the proven digital printing capabilities of the N6 Series platform, the N610i-H integrates inline Flexo functionality for priming and varnishing, offering label converters enhanced versatility to produce high-quality digitally printed labels on a wide range of substrates. Reduce waste, streamline changeovers, minimize costs, and lower environmental impact with the industry-leading Domino N610i-H digital label press.

Designed for versatility, precision, and efficiency, the N610i-H seamlessly handles high-volume, varied SKU jobs with rapid turnarounds. The combination of digital and flexo technologies will help in opening new opportunities, delivering excellent print quality and production flexibility while taking advantage of quick turnaround and non-stop production for multiple SKU jobs.



Overview

Reliable performance

Building on the trusted digital printing power of the N6 Series platform, the N610i-H delivers exceptional reliability and consistency, high-quality results for high-performance operations tailored to your production requirements.

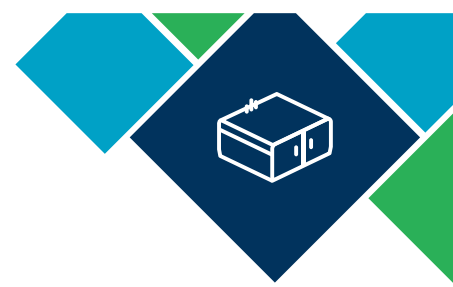
3-in-1 flexible hybrid solution

The N610i-H offers a 3-in-1 flexible hybrid solution, combining digital printing with inline Flexo station for priming and varnishing before and after digital printing to maximize productivity and increase production capabilities.

Future-proof your business

Stay ahead of the curve with a compact, versatile solution that helps you deliver evolving market requirements





Key features

High-resolution digital printing

- ◆ **600dpi native resolution:** Achieve stunning image quality with high-definition detail.
- ◆ **Colour printing capability** Available in CMYK and WW+CMYK.

Domino-manufactured UV92 & UV95 ink sets

- ◆ **Excellent adhesion:** Designed to provide excellent ink adhesion with high resistance to hot and cold temperatures, sunlight, and abrasion – maintaining excellent print quality through the life of the final product.
- ◆ **High opacity white:** Dual-bar white provides high-quality print of up to 72% opacity, producing a screen-like, high-impact appearance with the operational flexibility of a digital process.*
- ◆ **Non-direct food packaging compliant:** Under the right conditions and where an absolute barrier is present, the TPO-free UV95 ink set is suitable for many non-direct food packaging applications and is compliant with EuPIA Good Manufacturing Practices (GMP).

Enhanced productivity

- ◆ **High-speed printing:** Capable of speeds up to 50 metres per minute, for quick turnaround times.
- ◆ **Variable data printing:** Easily incorporates personalised and variable data elements without compromising speed.
- ◆ **Operational Efficiency:** Boost operational efficiency and profitability by leveraging the Domino N610i-H to handle strategic short to medium run length jobs, freeing up capacity on your conventional flexo presses for longer production runs. This smart allocation enhances throughput, reduces bottlenecks, and maximizes the overall productivity of your printing environment.

Cost efficiency

- ◆ **Reduce costs & waste:** Hybrid presses allow converters to transition more work to digital, reducing plate usage and other high costs associated with flexo production. The reduction in setup waste can help deliver significant cost savings.

* Substrate dependent

Applications

Labels: High-quality, durable labels for industrial, food, beverage, pharmaceuticals, InMould Labels, Shrink Sleeves and more.

Packaging: Customisable and dynamic packaging solutions for a variety of products.

Specialty printing: Unique applications, including security printing, brand protection, and promotional materials.

Make your labels stand out from the crowd

- ◆ **Add value:** Offer premium product branding with enhanced shelf appeal.
- ◆ **Competitive advantage:** Win additional business with texture printing capabilities.
- ◆ **Creative designs:** Add textured designs to part or all of the label.
- ◆ **Cost-effective:** Can be used as a replacement for screen printing and offers an alternative to premium, textured substrates.
- ◆ **Personalisation:** Combine with variable data printing for customised product offerings.





The Domino N610i-H combines the power of digital inkjet printing with the flexibility of flexo, giving converters the agility to produce versatile, high-quality printing in a single pass.

- ◆ **Hybrid Power:** Merges flexo's adaptability with the efficiency of digital, reducing plate costs and streamlining operations.
- ◆ **Ideal for:** Label converters and commercial printers looking to streamline operations, expand capabilities, and take their first bold step into digital printing.

Hybrid Advantages:

- ◆ **Job Flexibility:** Hybrid technology enables label converters take up jobs on variety of substrates.
- ◆ **Enhanced Workflow:** Reduced setup times, simplified processes, and minimal work-in-progress inventories.
- ◆ **Customer Growth:** Helps unlock new markets with faster delivery capabilities without compromising on print quality.

Technical specification N610i-H

Technology	Piezo drop-on-demand inkjet
Printing speed	Up to 50m/min high-quality mode Up to 70m/min rapid mode
Image resolution	600dpi native, including 4 greyscales (nominal 1340dpi)
Image format	333mm maximum print width
Web width	200mm to 340mm
Media type	All self adhesive label stocks, shrink film, unsupported BOPP for IML, laminated tube material
Inks	UV92 & UV95 are non-CMR inks and are available in UV-curable cyan, magenta, yellow, black, and white
Services	Three-phase power – one drop 380–420V Compressed air – one drop at 6–8 bar, clean and dry
Environment	Optimal temperature range 20–22°C Maximum temperature range 20–25°C Ink storage 20–25°C Optimum humidity range 40–60% Dust-controlled environment preferred

Hybrid Production:

- ◆ **Flexo Stations combined with Digital Printing:** The inline Flexo priming station before digital printing enables enhanced print quality on diverse substrates while the inline Flexo varnish station offers capability to turn the labels aesthetics further premium.
- ◆ **Single-Pass Production:** Hybrid design maximizes production efficiency, enabling seamless navigation during job changeovers.
- ◆ **Eco-Friendly Operation:** Significant waste reduction through efficient sampling, reduced plate usage, and optimized job handling.



TALK TO AN EXPERT

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