



## Nozomi 14000 LED

Single-pass LED Inkjet Technology  
for Corrugated Board, Paper Packaging and Displays

All the reasons to go digital. **Now.**





# Take your corrugated printing business to the **next level**

What will take your business to the next level? More opportunities? New capabilities? Greater productivity? High quality graphics? All of the above?

These are all reasons to go digital now, with the EFI™ Nozomi 14000 LED single-pass digital inkjet printer. Think of it as transformative technology for increasing printing capabilities and crafting new business models. You can dramatically improve workflow, take on more customers, respond to customer changes faster and deliver jobs with short turnarounds with the most efficient solution for high-quality graphics printing on corrugated.



# Let's build your brilliant future. Together.

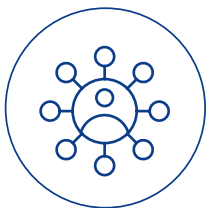
The Nozomi 14000 LED printer is EFI's second generation of digital corrugated printers and fifth generation of high productivity single-pass industrial printers. Our worldwide installed base in the packaging and display industry speaks to the proven results and profitability you can expect with EFI.



## New business models

Higher value-added printed packaging will enable you to differentiate and capture new business opportunities, such as e-commerce, environmentally friendly packaging, customisation and more:

- Access new markets and segments
- Respond faster to customers and the market
- Say “YES!” to every job
- Increase margins
- Establish a trusted, long-term relationship with customers



## New capabilities

Add high margin capabilities to your business with the unprecedented flexibility of the Nozomi 14000 LED printer:

- Incorporate the equipment that most efficiently produces high graphic packaging and displays
- Free up your current flexo and offset capacity



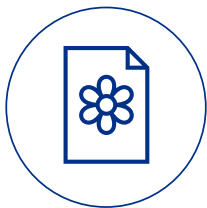
# More reasons to **go digital now** with the EFI Nozomi 14000 LED



## High productivity and maximum efficiency

The Nozomi 14000 LED printer features a robust design for heavy industrial use for high reliability and productivity. It balances board handling and print quality with:

- The ability to handle boards from F flute, double wall, and up to triple wall
- High force hold-down transport
- No stop in production due to damaged boards
- High-performing printheads that don't need to be changed frequently
- Equipment designed for serviceability, which guarantees easy operation and maintenance
- Powerful image management and data collection software
- Intuitive, user-friendly interface



## High-quality graphics printing

The Nozomi 14000 LED printer is the most efficient way to produce superior printed packaging and displays that will enhance shopping and consumer experiences. Profit from the perfect balance between colour masses and text definition with:

- Ink viscosity perfectly tuned to the printhead provides excellent colour saturation and coverage
- More greyscale levels and high-speed jetting printheads, resulting in increased accuracy and smooth colour gradients
- Inspection system that provides functionalities to help adjust the printer to mask any print defects
- Fiery® digital front end software that drives the printer with advanced imaging technology
- Fogra and G7 colour certifications



## Mindful sustainability

The Nozomi 14000 LED printer balances efficient processes, lower resource consumption, reduced waste and full recyclability, contributing to the circular economy of corrugated thanks to:

- Lower energy consumption than flexo printing
- Virtually no VOC emissions
- More efficient process – no plates or ink mix stocks needed, no more overproduction, and simplified inventories
- Less waste generated – no water needed for cleaning, minimum ink and boards during set-up
- Fully recyclable and repulpable inks



## Professional services and support

EFI is a global company delivering worldwide service. Our expertise in industrial digital printing and a broad installed base of single-pass equipment in the corrugated industry make us the ideal partner of choice when making the move to digital.

Beyond the equipment installation, we tightly collaborate with customers through the necessary technology adoption curve:

- EFI Nozomi 14000 LED printer includes a one-year warranty and a ramp-up program until stable production is achieved and proper training has been provided to printer operators
- Various maintenance plans are available and include both technical assistance and preventive maintenance – all of them supported 24/7 remotely
- Advanced Colour and Pre-press Training includes a 3-month hybrid program and extended remote support, covering digital printing workflow, colour profiling, spot colours, and variable data printing

# The most **efficient solution** for **high quality graphics** printing on corrugated

## ROLLER COATER

- Water coating IR drying
- Versatile: allows a varied amount of primer to be applied without stopping production
- Also able to apply a larger amount of primer

## BOTTOM FEEDER

- Non-stop feeder
- Optional dual-lane

## PRINTER

- LED inkjet piezo drop-on-demand technology
- Print resolution: 360 dpi (native) with 5 greyscale levels
- Apparent resolution: 805 dpi
- Adjustable vacuum transport
- Vacuum in between printing bars
- Automatic nozzle plate cleaning
- EFI Fiery® NZ-1000 digital front end



## OPV OPTIONS AVAILABLE IN ANY CONFIGURATION

Water-based roller coater IR drying

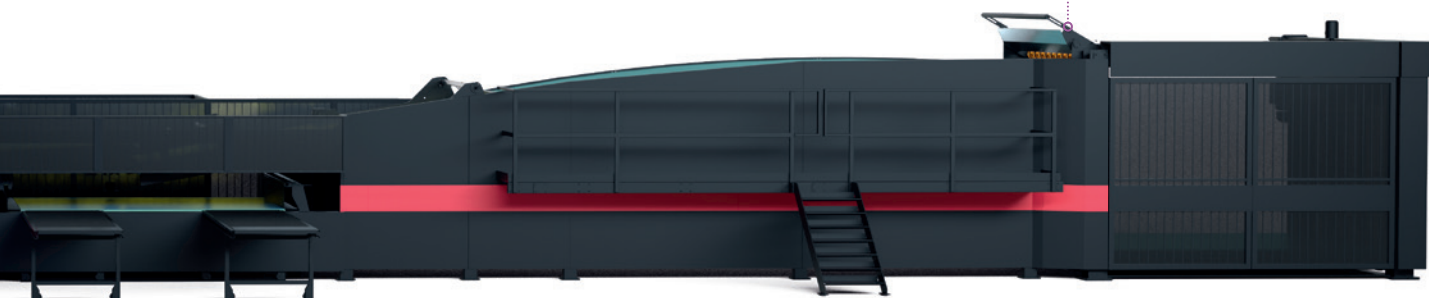
## STACKERS

### FULL STACKER

- Stack height:
  - Max.: 1800 mm limited small sizes
  - Min.: 1000 mm in production
- Stack squaring: +/- 20 mm

### BUNDLE STACKER

- Max. bundle height: 30 cm



## INK CONFIGURATIONS

BASE

C M Y K

OPTIONAL

W + C M Y K

O + C M Y K

O V + C M Y K

W + O + C M Y K

## SUBSTRATE RANGE

Max. board/sheet size (W x L):

- 140 cm x 300 cm in configurations with full stacker
- 140 x 240 cm in configurations with bundle stacker

Min. board/sheet size (W x L): 45 x 45 cm

Board thickness range: 0.8 - 12 mm

## PRODUCTIVITY

Print speed: Up to 75 linear m/min

# EFI Nozomi inks and primers

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## Genuine EFI Inks

Through our R&D efforts in advanced ink formulation, we've developed unique UV LED inks with the specific properties needed to produce spectacular images on corrugated substrates.

- Optimal physical characteristics in terms of colour and performance: The ink droplets bond together when deposited before curing, resulting in great coverage, intense colours, and a glossy finish that really stands out
- Wide colour space, especially with the six-colour configuration (CMYK+OV) that covers 97% of the Pantone® gamut for greater visual richness in photographic printing and matching brand colours without the need for direct ink
- Odourless, maintains flexibility for creasing, and are hard enough to withstand rubbing
- Optional white ink can be used as a base to print on dark substrates for photographic printing and reproducing brand colours
- Extremely efficient when considering the total cost of the printed unit
- 100% recyclable and repulpable OCC certified, and GREENGUARD certified with zero emissions of VOCs into the atmosphere



## Primers

EFI Nozomi water-based primers are specifically designed to control ink drop dispersion and enhance the performance of EFI Nozomi inks.

- Optimised for coated papers
- Provides better printing quality with greater saturation and colour intensity
- Versatile with optimal results for different printing conditions



# Life cycle assessment tool

Leveraging the EFI life cycle assessment (LCA) tool, we can help you analyse CO<sub>2</sub> equivalent (CO<sub>2</sub>e) emissions as part of your overall packaging extended producer responsibility (EPR): the environmental impact of your printed boxes, even after their useful life has ended.

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## According to LCA:

- Printing stands for about 10% of the entire corrugated packaging
- Digital print CO<sub>2</sub>e emissions per 100 sqm of printing are 8.2 kg
- Corrugated printing with an EFI Nozomi digital press:
  - Reduces global warming potential (GWP) by over 50% compared to analogue printing technologies
  - Lowers energy consumption by over 30% and water consumption by over 40%
  - Reduces CO<sub>2</sub>e emissions with no printing plates, less energy consumption, less waste, and just-in-time (JIT) manufacturing

Using basic values for a print job, the LCA tool quantifies related kilograms of CO<sub>2</sub>e for specific packaging printing volumes and applications and calculates the EFI Nozomi print technology advantage.

- Quantify the environmental impact of EFI Nozomi digital printing (GWP, energy, water, and waste)
  - Calculate the environmental impact EFI Nozomi digital printing by print volume
  - Calculate the environmental impact differences by print volume between EFI digital and other printing technologies
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# Unleash the full power of your EFI Nozomi printer

Optimise the operational efficiency and total cost of ownership of your EFI Nozomi printing system with EFInsight™ cloud-based data collection, analytics, reporting, diagnostics, proactive maintenance, and process control tools.

Get the insights you need to understand the economics of your production and the tools to maximise your single-pass inkjet printer investment.

- Provides data and dashboards to track main production KPIs essential for operations optimisation and efficiency
- Monitors the system to ensure quality and prevent unexpected events, maximising quality and uptime
- Seamlessly connects to your company's ERP system to feed it with real-time raw data from your Nozomi printer, fueling smarter decisions across your workflow



## Performance at-a-glance

Track key KPIs and system variables in real time with intuitive dashboards. Gain instant visibility into productivity, consumption trends, and equipment status.

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## Real insights, real efficiency

Analyse productivity by job type, shift, and operator. Identify idle time, bottlenecks, and preparation gaps to fine-tune operations and maximise throughput.

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## Proactive maintenance

Minimise unplanned downtime with automated maintenance tracking and smart, analytics-driven scheduling. Stay ahead of potential issues with timely alerts and step-by-step maintenance plans.

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## Ink tracking and inventory control

Monitor every drop—from warehouse to printhead. EFInsight helps you track ink inventory, control expiration dates, and trace what's loaded into the printer to ensure ink quality and prevent waste.

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## Continuous innovation

EFInsight is a dynamic platform with new features and enhancements added regularly, keeping your print operation ahead of the curve.

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Take control of your print operation – with EFInsight. Make your data work as hard as your printer.

## Let's be brilliant. Together.

We understand you want breakthrough technologies to lead you through your digital journey. That's why we're passionate about driving your business growth with a scalable portfolio of products, solutions, services, support, and world-class partnerships for the manufacturing of signage, packaging, and textiles, with a wide range of printers, inks, and software. Our unwavering commitment is to increase your profits, lower costs, improve productivity, and optimise efficiency — job after job, year after year. We're obsessed with your success. And we definitely believe we have the right people, technology and experience to help your business achieve its goals. Visit [www.efi.com](http://www.efi.com) or send an email to [info@efi.com](mailto:info@efi.com) for more information.



Nothing herein should be construed as a warranty in addition to the express warranty statement provided with EFI products and services.

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