Nozomi LED Series

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

Where brilliant graphics meet production flexibility

High-impact graphics. Production flexibility. One platform.

Today's high-profile brands expect packaging and retail displays to capture attention, communicate value, and drive purchase decisions at the shelf. At the same time, converters and display manufacturers need to produce faster, run profitably at any volume, and respond to campaigns that change by the week.

The EFI™ Nozomi LED Series of single-pass digital printers bridges both demands. Combining third-generation single-pass inkjet technology with sustainable LED inks, EFI Nozomi printers deliver the speed, reliability, and print quality required for high-volume manufacturing – with the flexibility to make short and medium runs profitable.

For corrugated display manufacturers, it's a new level of competitiveness. For independent converters, it's a path to differentiation and higher-margin work. For large-scale producers, it's operational excellence that transforms how the entire plant creates value.

The business case for digital in four words: produce more, waste less

Streamline production

- Simplified in-house process — no plates, no ink kitchen
- Free up flexo and offset capacity by routing the right jobs to digital
- Burst-speed turnaround and maximum uptime
- Reduce plant-wide costs: water, plate production and storage, and recycling

Respond faster and win more

- Profitable short and medium runs
- Immediate replenishment of successful campaigns
- Easy versioning and customisation
- Rapid response to last-minute design changes
- Faster time-to-market for new packaging concepts

Produce graphics that sell

- Premium-quality printing for retail-ready packaging and point-of-sale displays
- Consistent colour accuracy and outstanding solids coverage
- Packaging and displays that compete with litho-laminated solutions

Unlock new revenue

- Monetise high-value services immediately: rush deliveries, short runs, just-in-time production, versioning, and promos
- Expand into POP, retail display, and speciality packaging categories
- Attract larger customers and reach wider geographic markets

Industrial single-pass performance

CONTINUOUS BOTTOM FEEDER

ROLL TO ROLL PRIMING STATION

SINGLE-PASS INKJET PRINTER UV LED TECHNOLOGY

MAXIMUM PRINTING AREA:
Nozomi 14000 LED
1400 mm x 3000 mm w/Full stacker

Nozomi 17000 LED:
1685 mm x 3000 mm w/Full Stacker

MINIMUM SUBSTRATE SIZE:
45 cm x 45 cm (warp dependant)

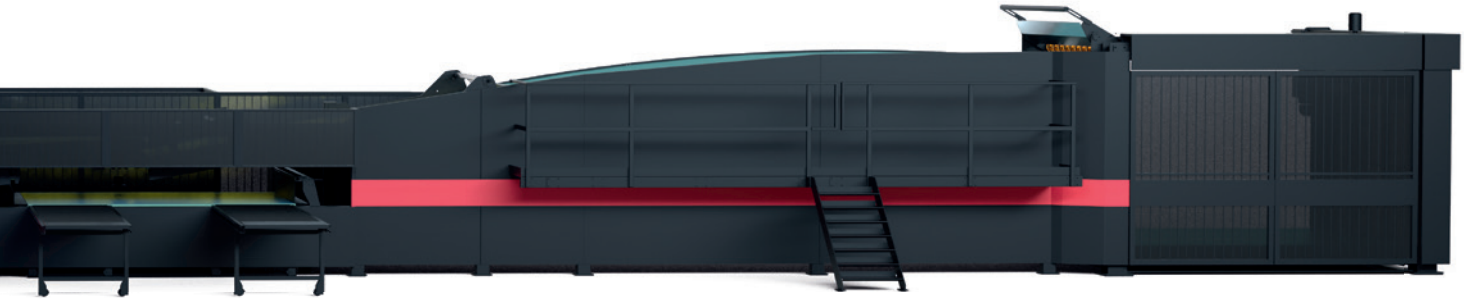
MAX SUBSTRATE THICKNESS:
0.8 mm - 12 mm

REGULAR PRODUCTIVITY:
75 linear m/min

RESOLUTION:
360 dpi native
5 greyscale levels

STACKING OPTIONS AVAILABLE:

- Full stacker to a pallet
- Drop Box for sheet collection and stacking (max. height without a pit: 470 mm)



OVERPRINT VARNISH (OPTIONAL)

STACKER: FULL OR BUNDLE (OPTIONAL)

NOZOMI 14000 LED INK CONFIGURATION

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

NOZOMI 17000 LED INK CONFIGURATION

BASE C M Y K

OPTIONAL
C M Y K
O V + C M Y K + C
W + O V + C M Y K

Clear digital protection helps protect printed corrugated boards and prevents them from being damaged by rubbing or scratching in subsequent processes (die-cutting, folding and gluing). This may be strongly recommended for heavy ink coverage printing.

Built for the demands of industrial corrugated production

The EFI Nozomi LED Series of printers are the third generation of EFI's industry-leading single-pass inkjet technology for corrugated printing. Engineered for demanding industrial environments, they deliver the balance of productivity, print quality, and sustainable operation that high-volume manufacturers require.

Industrial productivity that delivers

Single-pass technology architecture enables industrial throughput with consistent output quality across long production runs. Enhanced mechanical robustness and optimised system reliability keep your plant running at peak performance – shift after shift.

Print quality that competes with litho

Advanced inkjet imaging delivers outstanding colour consistency, smooth gradients, and exceptional solids coverage directly on corrugated board. Produce visually striking displays and packaging that rival litho-laminated solutions — at the speed of direct-to-board production.

Economics that get better with every run

Plate-free printing eliminates time-consuming setup. Instant job changeovers reduce labour requirements and waste. The result: improved machine utilisation, lower operating costs, and higher profitability across short and long runs alike.

A solution that's sustainable

Direct-to-board digital printing eliminates plates and the cleaning, storage, and recycling processes that go with them – significantly reducing waste and water usage. Highly efficient LED curing lowers energy consumption per square metre and eliminates atmospheric emissions. A cleaner, more resource-efficient production environment that doesn't compromise on throughput.

Backed by industry expertise

EFI pioneered industrial digital printing for corrugated packaging and displays. With installations at leading producers worldwide, the EFI Nozomi platform is supported by a global network of experts dedicated to maximising your performance, uptime, and long-term return on investment.

Cloud-based intelligence that optimises performance

EFInsight™ is a cloud-based platform that provides data collection, analytics, reporting, diagnostics, proactive maintenance, and process control tools — purpose-built to optimise the operational efficiency and total cost of ownership of your EFI Nozomi investment.

Monitor production performance. Track ink and substrate usage. Analyse key productivity metrics. Turn data into insights that improve operations.

PRODUCT SPECIFICATIONS

Printer		
Productivity	75 linear m/min	
Printing accuracy (centering)	0.15 mm	
Inspection	• Nozzle out and colour uniformity correction • Defect detection available on Nozomi 14000 LED configurations only • Defect detection tool with reject close loop available for configurations with Full Stacker only	
Reject	• Available with an EFI Stacker only • Reject based on damaged boards (6 laser detection) and empty belt mode	
Media Handling		
Substrate width (min. - max.)	**EFI Nozomi 14000 LED** 450 mm - 1440 mm	**EFI Nozomi 17000 LED** 450 mm - 1700 mm
Substrate length (min.- max.)	450 mm - 2400 mm with Bundle Stacker 450 mm - 3000 mm with Full Stacker	
Substrate thickness (min. - max.)	0.8 mm - 12 mm	
One and two-lane printing		
Stackers	**Full Stacker**	**Bundle Stacker**
	Max. stack height: 1800 mm limited small sizes Min. stack height: 1000 mm in production Stack squaring: 20 mm	Max. bundle height: 300 mm
Genuine EFI Inks and Coatings/Varnish		
EFI Nozomi UV LED Inks		
Ink storage temperature	5 °C to 25 °C	
Overprint varnish (OPV)	Optional roller coater	

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 or send an email to 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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