Nozomi LED Series

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

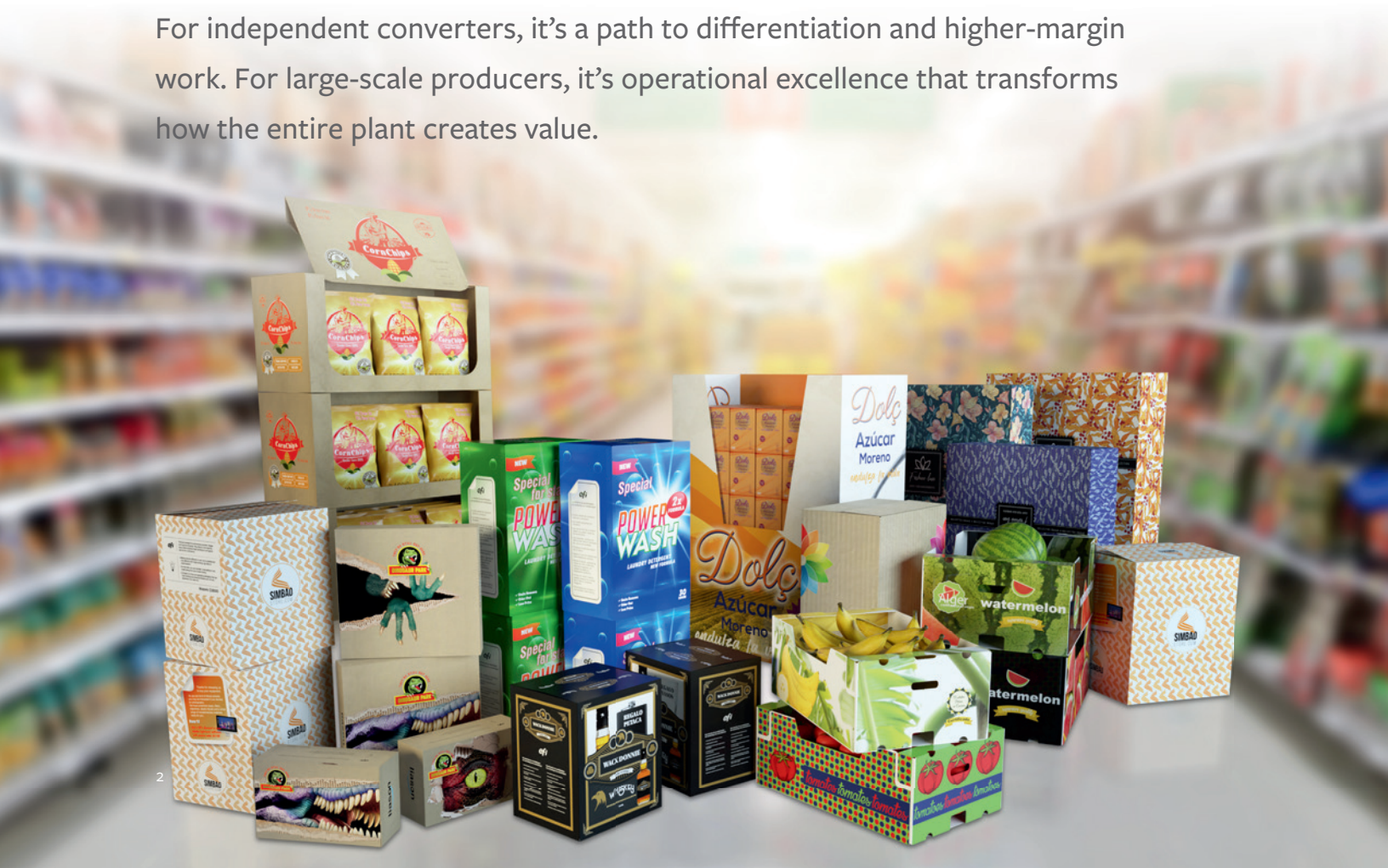
Where brilliant graphics meet production flexibility

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 customization
- 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 color accuracy and outstanding solids coverage
- Packaging and displays that compete with litho-laminated solutions

Unlock new revenue

- Monetize high-value services immediately: rush deliveries, short runs, just-in-time production, versioning, and promos
- Expand into POP, retail display, and specialty 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
52.12 in x 118.11 in · 1400 mm x 3000 mm w/Full stacker

Nozomi 17000 LED:
66.33 in x 118.11 in · 1685 mm x 3000 mm w/Full Stacker

MINIMUM PRINTING AREA:
17.72 in x 17.72 in · 45 cm x 45 cm (warp dependant)

MAX SUBSTRATE THICKNESS:
0.03 in - 0.47 in · 0.8 mm - 12 mm

REGULAR PRODUCTIVITY:
Up to 246 linear ft/min · 75 linear m/min

RESOLUTION:
360 dpi native
5 grayscale levels

STACKING OPTIONS AVAILABLE:

- Full stacker to a pallet
- Drop Box for sheet collection and stacking (max. height without a pit: 18.5 in · 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 optimized system reliability keep your plant running at peak performance – shift after shift.

Print quality that competes with litho

Advanced inkjet imaging delivers outstanding color 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 labor requirements and waste. The result: improved machine utilization, 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 foot/meter 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 maximizing your performance, uptime, and long-term return on investment.

Cloud-based intelligence that optimizes performance

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

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

PRODUCT SPECIFICATIONS

Printer		
Productivity	Up to 246 linear ft/min (75 linear m/min)	
Printing accuracy (centering)	0.006 in (0.15 mm)	
Inspection	• Nozzle out and color 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** 17.72 in - 56.7 in (450 mm - 1440 mm)	**EFI Nozomi 17000 LED** 17.72 in - 66.92 in (450 mm - 1700 mm)
Substrate length (min.- max.)	17.72 in – 94.49 in (450 mm - 2400 mm) with Bundle Stacker 17.72 in – 118 in (450 mm - 3000 mm) with Full Stacker	
Substrate thickness (min. - max.)	0.03 in - 0.47 in (0.8 mm - 12 mm)	
One and two-lane printing		
Stackers	**Full Stacker**	**Bundle Stacker**
	Max. stack height: 71 in (1800 mm) limited small sizes Min. stack height: 39 in (1000 mm) in production Stack squaring: +/- 0.8 in (20 mm)	Max. bundle height: 11.81 in (300 mm)
Genuine EFI Inks and Coatings/Varnish		
EFI Nozomi UV LED Inks		
Ink storage temperature	41 °F to 77 °F (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 packaging, sign and display graphics, and textiles with a wide range of printers, inks, and software. Our unwavering commitment is to increase your profits, cut costs, improve productivity, and optimize 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.

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