

efi Nozomi C18000

Single-pass LED Inkjet Technology

for Corrugated Board, Paper Packaging, and Displays

Accelerate growth with
the newest innovations



Industry-leading corrugated innovations

By combining our long-time leadership in industrial inkjet printing with our commitment to reinvesting 16% of our revenue into R&D, EFI™ has created breakthrough innovations that will help you increase productivity across every phase of the corrugated manufacturing process. Our cross-functional teams understand the unique demands of corrugated and have leveraged our latest advances in printing and business technology to design a revolutionary solution that gives your company the versatility, imaging quality, and production speeds it needs to grow.

EFI digital inkjet corrugated printing provides you and your customers with:

Lower costs and higher productivity

The EFI Nozomi C18000 enables cost-effective, high-quality, direct-to-board digital printing and eliminates expenses and a great number of steps associated with plating, printing, and lamination in traditional analog production.

- Eliminate up-front make-ready plate, costs, time, and storage
- Eliminate ink mixing and storage and associated labor
- Reduce labor costs and eliminate scrap waste by printing direct to substrate

Response to customer demands

Accommodate customer's requests for versioned, last-minute, and on-the-fly changes, edits, and buying decisions.

Produce cost-effective, on-demand, and just-in-time jobs, fast-cycle proofs and prototypes, and customized campaigns with digital printing.



Maximum customization



Ready for industrial use

The Nozomi C18000 is a robust and reliable printer ready for industrial use:

- Industrial printing speeds
- Built for 24/7 production
- Does not need to stop for start-up or changing models
- Preserves print-head life and avoids stoppage
- Zero costs in tooling
- One operator fully runs the printer—no need for multiple or highly qualified operators
- Instant file uploads and data processing

High-quality printing with Genuine EFI inks

Our R&D in advanced ink technology has produced LED inks with specific properties for spectacular results on corrugated substrates:

- EFI LED inks have the optimal physical characteristics in terms of color, and performance.
- These inks are odorless, maintain flexibility for creasing, and are hard enough to withstand rubbing
- Our white ink works as a base to print on dark substrates
- They give you great color coverage, gloss, and quality (consistency + accuracy) with a very reasonable ink consumption per square foot (square meter)
- Meets OCC certification for recyclability and repulpability
- Are extremely efficient when considering the total cost of the printed unit

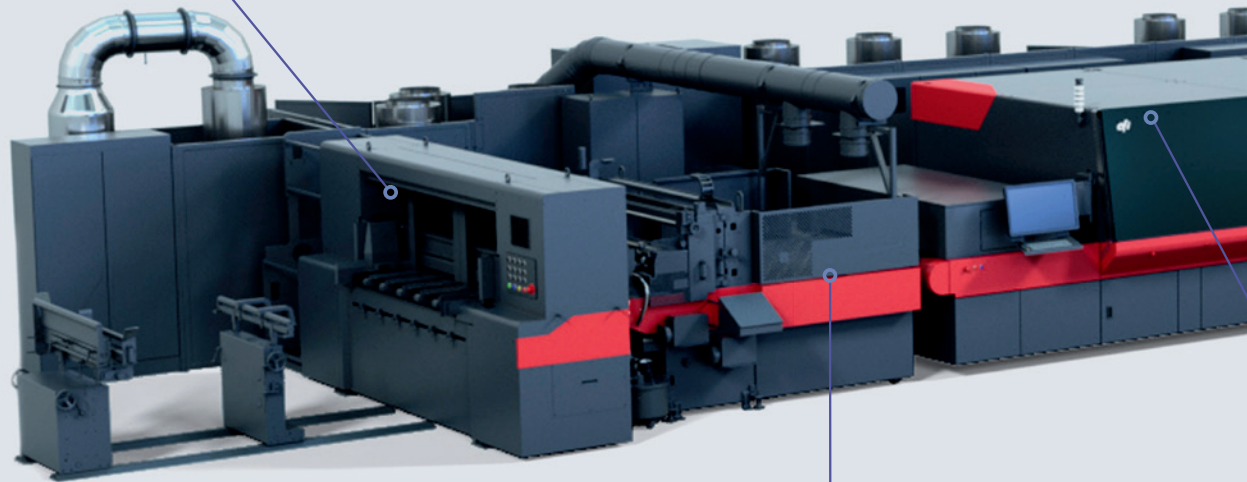


Print on dark substrates to improve brand identity

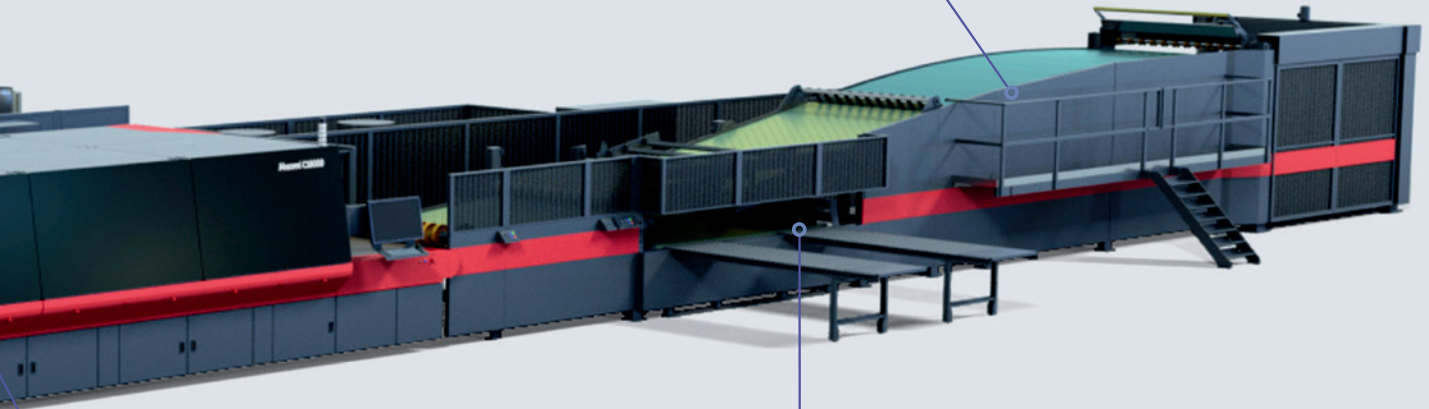
Introducing the Nozomi C18000 single-pass industrial inkjet printer

Feeder

- Top and bottom feeding
- Multi-image board printing supported in two-line printing
- Board/sheet sizes
(W x L): from 24 in x 24 in (61 cm x 61 cm) to 71 in x 118 in (1.8 m x 3.0 m)
- Board/sheet sizes
(W x L): from 24 in x 24 in (61 cm x 61 cm) to 71 in x 118 in (1.8 m x 3.0 m)



Primer



Stacking

- 100% in-line, post-print quality inspection for image defects
- Automated material stacking to pallet or bundle

Printer

The Nozomi C18000 printer is a single-pass, LED, drop-on-demand inkjet printer:

- Speed: Up to 246 linear ft/m (75 linear m/min);
77,758 ft² /hr (7,224 m² / hr)
- High resolution: up to 360 x 720 dpi
- Four-level grayscale
- Configurable: CMYK
CMYK+W
CMYKOV
CMYKOV+W

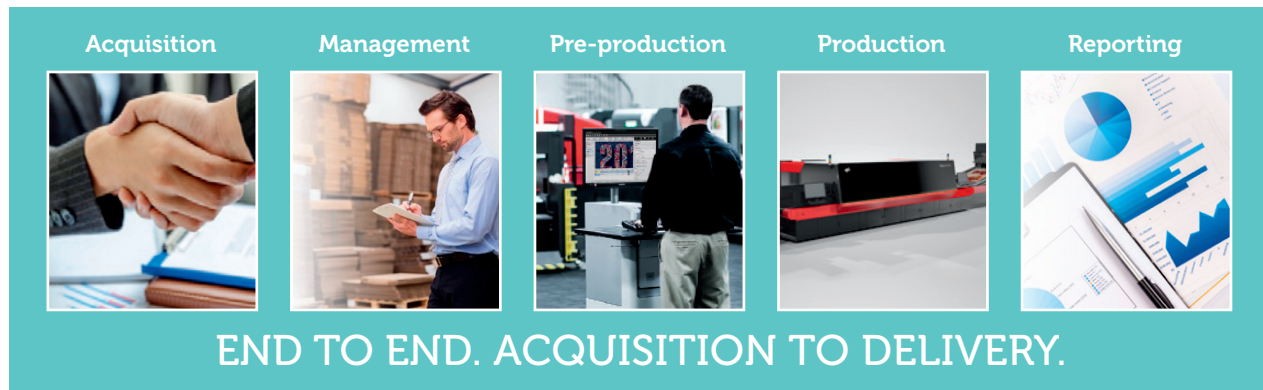


Inspection and reject



Short runs and variations to enhance marketing possibilities

EFI NOZOMI C18000: Part of EFI's integrated corrugated ecosystem



Driven by Fiere®, the world leader in color management software

With 25 years of advancements in digital color printing, nothing can beat the ripping speed that has been integrated into the Nozomi C18000 software and Fiere NZ-1000 digital front end.

- Assures color consistency, color accuracy, and advanced color management
- Bladed architecture, providing high performance
- Industry-proven job management, variable data printing, versioning, and automation tools for peak operator efficiency
- Integration with prepresses and production workflows, including the EFI Corrugated Packaging Suite

The industry's only end-to-end corrugated workflow solution: The EFI Corrugated Packaging Suite

EFI has developed a customized and scalable functional platform specifically for corrugated manufacturing. Our productivity software offers certified workflows that grow as your business grows, integrating your manufacturing, business, and production processes for corrugated profitability and growth.

With integrated mobile-accessible dashboards that provide real-time status, covering full business and production workflow needs of sheet feeders, sheet plants, and full converting box plants, you'll have everything you need.

The modern and flexible component architecture allows customers to scale from small sheet plants to large, full-line corrugated manufacturers and converters with a digital solution:

- Advanced estimating
- Corrugated trimming, scheduling, and converter scheduling
- Order promising, purchasing, and invoicing
- Production and shipment planning
- Roll-stock management
- Direct machine interface for real-time monitoring and reporting of production activity

Technical data

HANDLING MATERIALS	
Maximum board size	71 x 118 in (1800 x 3000 mm)
Minimum board size	24 x 24 in (600 x 600 mm)
Maximum board thickness	1.5 in (35 mm)
PRINTING TECHNOLOGY	
Maximum printing width	71 in (1800 mm)
Print speed	Up to 246 linear ft/min (75 linear m/min)
Number of colors	Up to seven
Dpi	360 x 360; 360 x 720 (360 x 360; 360 x 720)
Ink type	EPI LED
Primer	Included
RIP	Fiery NZ-1000
ENVIRONMENTAL SPECIFICATIONS	
Configuration	Footprint (LxWxH)
Four and six color with bottom feeder, including cleaner, coater/dryer, and full stacker	118 ft x 37 ft x 11.5 ft (36 m x 11,2 m x 3,5 m)
Four and six color with top feeder, including cleaner, coater/dryer, and full stacker	130 ft x 37 ft x 11.5 ft (39,5 m x 11,2 m x 3,5 m)

ELECTRICAL	
Operating current	350A at 380 V or 280A at 480 supply
Standby current	30A at 380V or 25A at 480V supply
Maximum consumptions	790A at 380V or 618A at 480V supply
Type of cable	3F + T // 3 poles
AIR	
Clean and dry air, 95 psi (6.5 bar)	
Nominal operating at	10.6 cf/min (300 L/min)
Peak at	113 cf/min (3,200 L/min)
INKS	
Recommended temperature of storage	
Maximum 68°F (20°C)	

Printer in development; specifications subject to change without notice

EFI fuels success.

We develop breakthrough technologies for the manufacturing of signage, packaging, textiles, ceramic tiles, and personalized documents, with a wide range of printers, inks, digital front ends, and a comprehensive business and production workflow suite that transforms and streamlines the entire production process, increasing your competitiveness and boosting productivity. Visit www.efi.com or call 650-357-3500 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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