efi®

Nozomi 14000 AQ
Water-based, Single-pass Inkjet Technology
for Corrugated Packaging and Displays

Get ready to make **waves**

Disrupt the status quo with true water-based, single-pass digital inkjet printing

Make waves in your market with a true water-based, single-pass digital inkjet printer for high-resolution printing on corrugated. The EFI™ Nozomi 14000 AQ printing system for corrugated packaging is here – and it offers four key business-building advantages:

1. Extra flexibility to print colorful, high-quality images

2. Digital efficiencies to produce shorter runs and customized jobs at lower costs

3. Industrial speeds for more capacity so you can respond to customers faster and deliver jobs with short turnarounds

4. EFI Genuine Water-based Inks that are compliant with the European Printing Ink Association (EuPIA), Swiss Ordinance RS817.023.21, and Nestlé Guidance Note & European directives on packaging inks

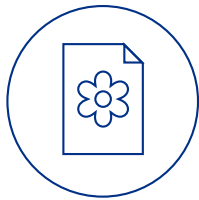# Be brilliant with water-based technology from EFI

The Nozomi 14000 AQ printer is EFI's third generation single-pass industrial inkjet printer for corrugated. Our worldwide installed base in the packaging and sign and display industries speaks to the proven results and profitability you can expect from EFI Nozomi technology.

High productivity and maximum efficiency

The Nozomi 14000 AQ printer features a robust design for heavy industrial use with high reliability and productivity:

- Print speeds up to 295 linear ft/min (90 linear m/min) for uncoated liners and up to 229 linear ft/min (70 linear m/min) for coated liners..
- Ability to handle boards from F flute, double wall, and up to triple wall
- High-force hold-down transport along with Edge Hold Down device
- No stop in production due to damaged boards

- High-performing printheads that don't need to be changed frequently
- Ultra-fast drying technology with smart drying feature
- Designed for easy serviceability, operation, and maintenance
- Powerful image management and data collection software
- Intuitive, user-friendly interface

High-quality graphics printing

The Nozomi 14000 AQ printer is the most efficient way to produce superior printed packaging that will enhance shopping and consumer experiences:

- 1200 dpi apparent resolution
- The latest printhead technology fully water-compatible with longer lifespan
- Tools based on our artificial vision system help mask printing defects

- Fiery® digital front-end (DFE) software that drives the printer with advanced imaging technology
- FOGRA 39 standard

True water-based inkjet technology

The Nozomi 14000 AQ printer features water-based inks with no UV reactive chemistries:

- Compliant with the Framework Regulation (EC) No 1935/2004
- GMP (Good Manufacturing Process) compliant as spelled out in Regulation (EC) No 2023/2006
- Swiss printing ink ordinance SR 817.023.21 compliant and will meet specific migration limits spelled out in the ordinance

- Compliant with the Nestlé exclusion list
- EuPIA compliant (European Printing Ink Association) exclusion list
- Water-based primer specifically designed to control ink drop dispersion and enhance the performance of EFI Nozomi inks
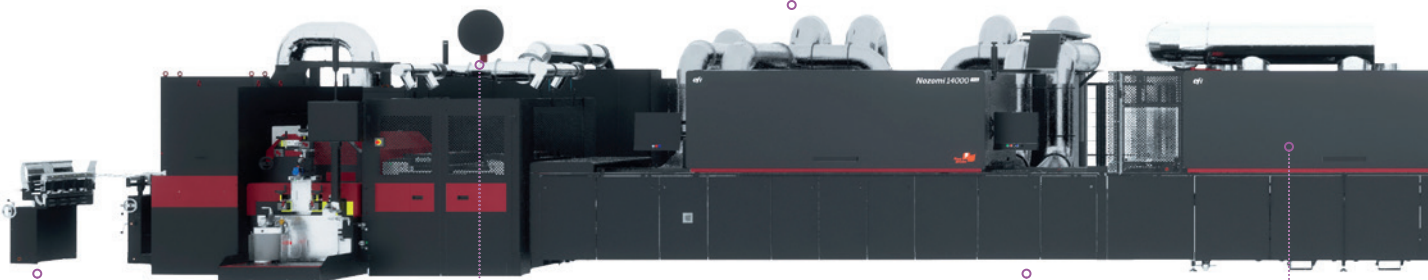
End-to-end water-based, single-pass digital inkjet printing

MEDIA HANDLING
- Max. board/sheet size (W x L):
  - 55.12 in x 94.49 in (140 cm x 240 cm) for configurations using bundle stacker
  - 55.12 in x 118.11 in (140 cm x 300 cm) for configurations using full stacker
- MIn. board size: 23.62 in x 23.62 in (60 cm x 60 cm)
- Adjustable printing gap
- Board thickness range: 0.03-0.47 in (0.8-12 mm)

PRINTER
- Max print width: 4.6 ft (1,4 m)
- Productivity:
  - Up to 295 linear ft/min (90 linear m/min) for uncoated liners
  - Up to 229 linear ft/min (70 linear m/min) for coated liners
- Resolution: 600 dpi native; apparent resolution: 1200 dpi
- Four-level grayscale
- Vacuum integrated transport
- Ink configuration: OV CMYK
- Edge Hold Down device
- User friendly UI

FEEDER
- Non-stop bottom feeder
- Suitable for F flute to double and triple wall corrugated boards
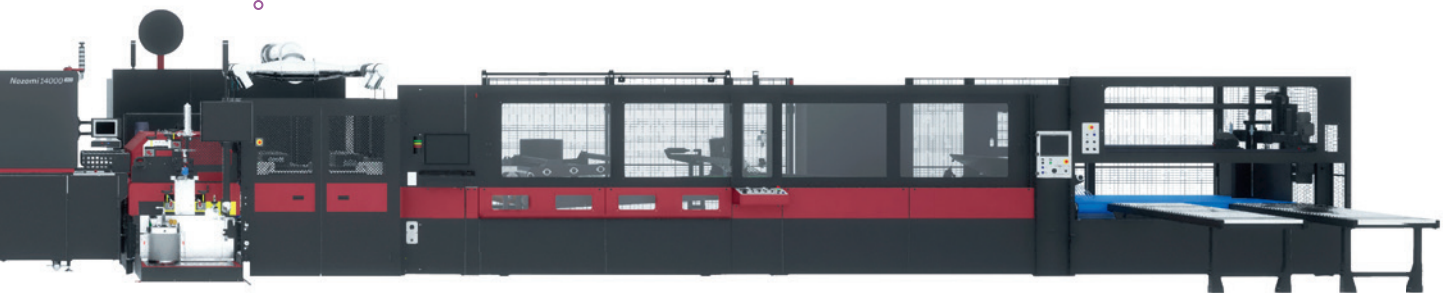
ROLLER COATER
- Water-primer IR (infrared) drying
- Change amount of primer applied on the fly

DRYER
- Energy usage optimized
- Short layout
- Vacuum transport
- Dynamic drying control

VARNISH

Water-varnish IR (infrared) drying

STACKER

- Full stacker:
  - Stack height: Max. 71 in (1800 mm) limited small sizes; Min. 39 in (1000 mm) in production
  - Stack squaring: +/- 0.8 in (20 mm) good quality boards
  - Reject available
- Bundle stacker:
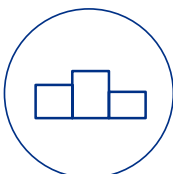 - Max. bundle height: 11.81 in (30 cm)
  - Reject available

Value-added training and services
working for you

Add EFI comprehensive professional services and reliable support, and you can rest assured that we'll be there every step of the way to help you successfully add digital capabilities to your plant.

Ramp-up program

This 13-week program is organized into three stages: basic operator training, advanced printer training, and printer maintenance and troubleshooting.

Maintenance service

We offer different maintenance agreements levels based on production volumes for you to choose from to maintain optimal print quality, machine stability and reinforce technical training. The maintenance programs include routine procedures and best practices to ensure optimum condition of all components and to avoid unforeseen downtime.

Smart support

Remote training and support enhanced with augmented reality for real-time, see-what-I-see communication and faster time to resolution.

Unleash the full power of your EFI Nozomi printer

Optimize 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.

- Provides data and dashboards to track main production KPIs essential for operations optimization and efficiency
- Monitors the system to ensure quality and prevent unexpected events, maximizing 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.

Real insights, real efficiency

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

Proactive maintenance

Minimize 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.

Ink tracking and inventory control

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

Continuous innovation

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

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.