Bring the
WOW effect
to every
corrugated
printing project

efi®

WOW!

The EFI Nozomi C18000 Plus has that effect on everyone

Genuine amazement. That's the first reaction from everyone who sees the EFI™ Nozomi C18000 Plus in action.

High-productivity, single-pass inkjet printing is the future of corrugated printing. The image quality that comes out of the EFI Nozomi C18000 Plus is the conversation starter that gets any customer ready to turn bare boxes into colorful brand magnets. Its productivity and capability bring added value to your relationships, letting you compete beyond unit cost to become their trusted corrugated printing partner.

The optimized solution for corrugated

The Nozomi C18000 Plus is a dedicated and optimized solution for the corrugated industry. Simply put, it's the most efficient way to manufacture high graphic packaging. And the most effective way to create highly profitable business opportunities.

Source: Complete Design & Packaging

The image quality of the Nozomi C18000 Plus printer is the result of a perfect balance between definition and mass color printing.
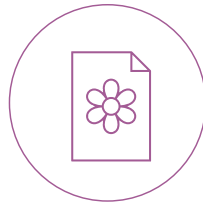
This creates the WOW effect with:

Color coverage

Our prints offer high color coverage without the defects you get from ordinary inkjet printing. Having our own proprietary electronics allows us to control and optimize the performance of the print heads to avoid scratches or the banding effect.
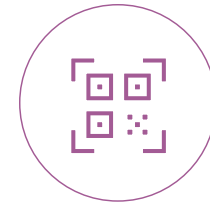
Color saturation

The intensity of a specific tone makes it vivid and intense. EFI UV LED inks cure on the surface, and this makes colors bright and luminous without the need of post-varnish.

Color range

We achieve a wide color space, especially with the six-color configuration (CMYK+OV) that covers 97% of the Pantone® gamut. This translates into great visual richness in photographic printing and allows matching brand colors without the need for direct ink.

Text and code printing

The Nozomi C18000 Plus has ink drop sizes suitable for achieving the definition required for the text, barcodes, QR codes, etc., used in corrugated packaging and POS material.

Taking on analog, flexo and litho lamination

The image quality of the Nozomi C18000 Plus competes with high quality flexography and offset printing while providing a streamlined process. This translates into new business possibilities, which accelerates return on investment. High value-added products, such as small or medium runs and variable data printing, can generate new sources of revenue and market opportunities, such as e-commerce and displays.

But don't take our word for it. Read what Nozomi C18000 Plus owners have to say:

" If we didn't have digital printing capability, we could not even think about **going into eCommerce.** Our Xceed implementation went from nothing to generating $200,000 per month in revenue in a short time. There's no way we could have handled that volume in the timeframe our customers expect without our two Nozomis. "

Tim Korte, CIO of Boxes

" An opportunity for us to **bring something different** to our customer base that their competitors don't have, digital affords those companies to be so flexible, so quick and market right down to the neighborhood if you will, not national but regionally, and we can print all of these print options at the same time. "

Howard Bertram, President of Complete Design & Packaging

" It's given us a huge opportunity to **move into the world of POS,** so it's opening up a whole new market sector to us. It also gives us the opportunity to look UK wide, not just within this region, and opens up a wider customer base as well. We're currently converting roughly 20 million square meters a year, and we're hoping that's going to increase significantly. "

Andy Smith, Business Development Director of Durham Boxes

The WOW
is all in the details

Mechanical robustness

The mechanical robustness and the new transport system keep corrugated boards flat when printing. Control of the stability and flatness of the substrate improves registration and print quality.
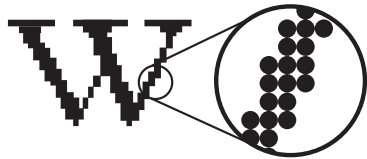
Ink delivery system

The EFI Nozomi C18000 Plus features a total ink recirculation system. The ink is always on the move from the tank to the nozzle whether the printer is running or not. This avoids ink blocking the nozzles and creating printing defects, such as scratches or lack of uniformity.

Grayscale levels

Grayscale levels are the printheads' different drop sizes. A greater variety in drop size results in greater definition. This is especially evident in photographs with a lot of graphic information and in texts and barcodes.

Variable dot size results in higher perceived print resolution. The more levels of visible grayscale, the smoother color transitions become.

Example: 360 dpi/2 grayscale levels

Example: 360 dpi/4 grayscale levels

The WOW
is driven by
Fiery technology

For the past 30 years, EFI Fiery® technology has pioneered the transformation from analog to digital printing. Fiery digital front ends (DFEs) are the most innovative, scalable, and fastest RIPs in the industry, providing state-of-the-art imaging technology – combined with expert color management tools – to deliver high-quality images with accurate and consistent color.

The Fiery NZ-1000 DFE: a closer look

Exceptional color quality

Accurate reproduction of brand colors.

Color matching for consistent print results over time.

Detailed color correction while the high-resolution raster preview updates on-the-fly.

Advanced imaging technology

Proper rendering of transparencies, overprints, gradients, and VDP elements to preserve the designer's intent.

Ability to preflight fonts, spot colors, low-resolution images, hairlines below threshold, overprints and PostScript® errors.

Extensive toolset for late-stage image editing.

High performance and job management

Intuitive, award-winning job management interface to reduce waste and operator errors.

Prepress automation solutions to maximize operator's productivity, avoid idle time on press, and meet tight turnaround time.

Automated inspection system

Inspection of every print to ensure color uniformity across the entire board.

Direct communication between the DFE and printer ensures appropriate actions are taken when a problem is detected.

Error detection system rejects boards if issues are discovered.

Robust integration

Integration with EFI ecosystem, EFI Corrugated Packaging Suite and third-party prepress workflows.

Support for Adobe® Configurable PostScript Interpreter (CPSI), Adobe PDF Print Engine, and Fiery JDF.

The WOW
comes to life
with Genuine
EFI UV LED inks

EFI's UV LED ink formulations provide great coverage and intense colors. The ink droplets bond together when deposited before curing, resulting in great coverage and a glossy finish that really stands out.

When it comes to your sustainability initiatives, our inks are 100% recyclable OCC certified. They're also GreenGuard certified with zero emissions of VOCs into the atmosphere.

Fogra, G7 and GRACoL Certification

Beyond perceived image quality, EFI Nozomi printers are the first digital single-pass printers to receive FOGRA certification PSD (Printing Standard Digital) based on ISO 12647/2. Our EFI Nozomi C18000 Plus printer match the GRACoL®/SWOP standard from the American industry association Idealliance®.

We can also certify EFI Nozomi C18000 Plus users, providing them an extra guarantee of color range, fidelity, accuracy and repeatability of their prints for their end customers.

White ink

This is a Nozomi C18000 Plus EFI option that allows photographic printing and brand color reproduction on brown recycled corrugated material. It can also be used as a base to achieve special effects, such as spot gloss that amplifies the WOW effect of digitally printed boxes.

The WOW brings super flexibility to your business

There will always be a market for large, repetitive flexo runs. But in the new world of corrugated printing, there's an increasing need for cost-effective, smaller productions, faster go-to-market times and the ability to respond to sophisticated demands, such as versioning and customization. That's where the EFI Nozomi C18000 Plus comes in.

It brings flexibility and versatility to your shop floor. Users can leverage the Nozomi's industry-leading capabilities to bring WOW to every corrugated printing job:

Printing modes: Configure the printer to ensure color consistency and accuracy while optimizing ink consumption.

Special artificial vision system features: Color Uniformity assures the printing of solid masses. Nozzle Out Compensation electronically counteracts clogged nozzles to prevent scratches.

The WOW
relies on prepress design

Apart from adjusting each production with Nozomi C18000 Plus to a specific purpose, prepress work in preparing digital files is key to wowing your customers.

Designing for single-pass digital printing of corrugated inkjet digital has its own best practices. Prepress plays a major role in preparing the files with specific goals, such as text definition, solid masses, brand colors, ink consumption, finishes, etc. But it goes above and beyond with an unlimited number of colors, versions, variable data printing, and more. All capabilities that will bring some WOW to your bottom line.

Design matters

Ink consumption: 6.16 grs/sqm

Ink consumption: 3.20 grs/sqm

Ink consumption: 0.32 grs/sqm

WOW is an
industrial solution
built up with

professional
services
+
maintenance
plans
+
team support

Nozomi C18000 Plus is backed by EFI's comprehensive professional service and support program. It's designed to accelerate your profitability and in-plant operations through a balanced mix of professional and business development services.

Optimize your productivity with a package of services to help you increase digital adoption – including training in prepress for digital, color management, color certifications and more.

Our tailor-made support for business development will help you maximize your investment with new business opportunities and a foundation for long-term success.

Visit efi.com to learn more about
the new EFI Nozomi C18000 Plus LED
digital inkjet printer for corrugated.

We develop breakthrough technologies for the manufacturing of signage, packaging, textiles, ceramic tiles, building materials 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.

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