EF next generation

THE CONNECTED PRINTING SOLUTION

Connect to Grow

Continuous improvement is in our DNA

For 25 years, we've constantly advanced our presses with innovative technologies in response to customer feedback, market demand, and industry developments. To stay ahead, printers more and more strive for maximum performance and maximum return on investment.

The EF next generation is a robust, reliable, highly qualified and highly automated printing press ready for 24 x 7 operations. With MPSConnect the new machine enables you to achieve the best performance and maximum return from your printing press. This is how we evolve; connect to grow together.

Robust Engineering

The new EF next generation platform is built with these unique features that have proven valuable to label and packaging printers.

Built to run 24/7, MPS presses are highly modular for ultimate flexibility, are predictable with higher up-time, provide extreme register stability, higher speeds, and integration with OEM units.

An endless number of applications and functionalities are possible with the new EF press thanks to its multi-web functionalities, extremely stable web transport, and MPS Ultra-flex railsystem.

Levels of automation

1 The EF is a fully automated multi-substrate press, providing the ultimate of flexibility and enabling operators to maximize press performance, thanks to its high level of automation, connectivity and ease of operation.

2 For full servo driven automation of all print pressure settings, you can choose the Advanced Automation option.
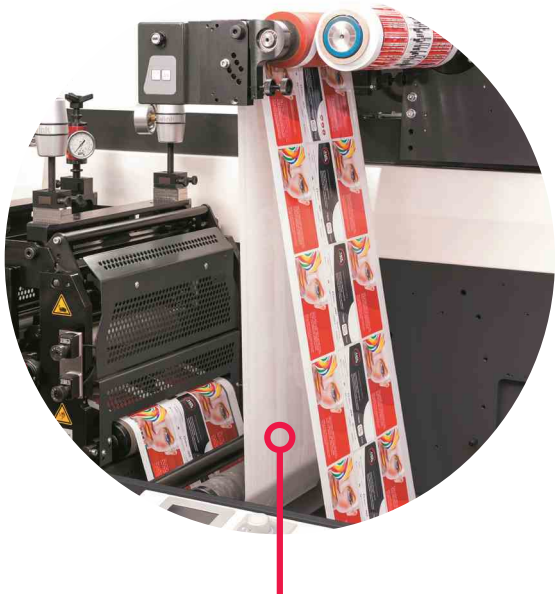
Unique MPS Features
THAT DRIVE YOUR EF PRESS

Non-stop print change

Easy access to the print sleeves during production for plate cleaning and changing sleeve, anilox & inks.

Crisp.Dot Technology

A non-driven impression cylinder significantly reduces dot gain, achieves a higher print quality, and optimizes the printing process.

iStrip Matrix

High speed tension-controlled matrix stripping up to 200m/min (600ft/min) for less chance of matrix breaking (short path matrix).
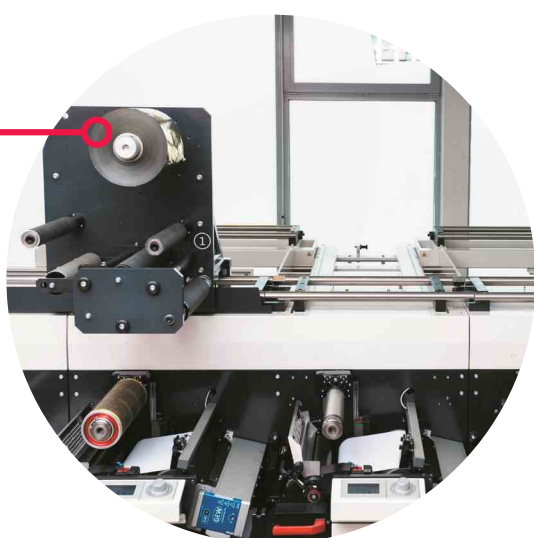
iControl

Digital iControl button at every print unit providing an adjustable tactile click on register and print pressure setting with four status indicator LED lights.

Ultraflex Railsystem

Easy to slide a rail unit to a different position on the press or change the sequence of the different converting modules.
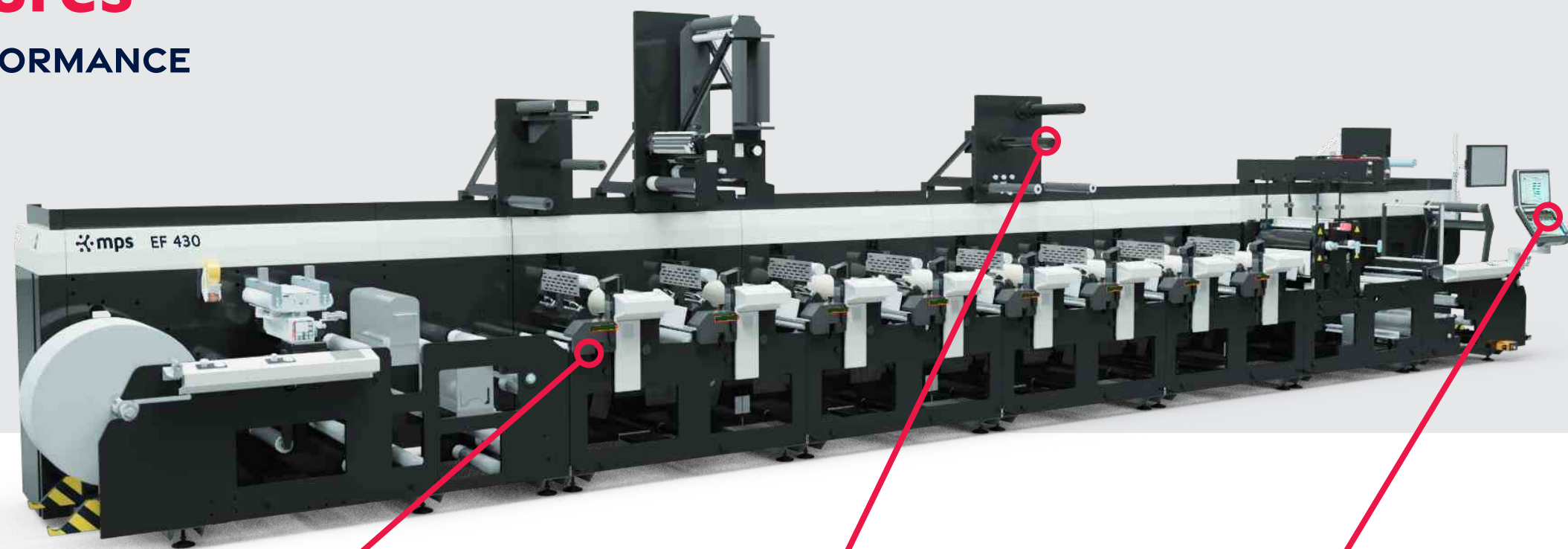
Auto-Teach Pre-Register

Automated 360° pre-register to save time and reduce waste.

Improved features

FOR YOUR MAXIMUM PERFORMANCE

To help you unleash your printing potential and get maximum results from your press, we keep on innovating. Based on the successful foundation of 6 previous generations EF platform, we made these improvements to the next generation of the EF machine.

mps EF 430

Standard slide-out ink drawer

Shorter changeovers and shortened preparation time for the next job optimal accessibility.

Now standard on all EF models.

E-sleeve with quick release

Full aluminium sleeve & mandrel (no air) delivers predictable print quality, easier and faster job changeovers, and longer lifetime of tooling.

Improved robust rail units

For even more different converting and embellishment functionalities.

Standard finger bar safety protection

Allows for cleaning of plates during production for higher productivity.

Ergonomic improvements

For better handling and higher output.

Advanced Job Memory

Improved user-interface resulting in less manual adjustments, faster set up and less waste.

M2M (Mark-to-Mark) Register

Increased accuracy and reduced waste.

Extended web width to 580mm

More application opportunities such as shrink sleeves and higher productivity.

Pole position
WITH THE EF NEXT GENERATION PRESS

CONNECT TO GROW

MPSConnect

New and improved features of the EF plus the collection and analysis of performance data through MPSConnect and Performance Programs, drive your success formula for profit.

With MPSConnect, we dive into your printing press and see exactly what's happening. Our sensor technology combined with the internet (IoT) makes real-time data collection possible.

From valuable 24x7 fact-based insights, our team of experts help you make continuous performance improvements in waste, speed, and uptime to increase your competitive advantages and maximize your profits.

New features
EVEN BETTER PERFORMANCE AND OUTPUT

For the ultimate in press productivity, we added these new features to the EF platform.

MPSConnect

Sensor technology combined with the internet for real-time data collection and valuable 24x7 fact-based insights.

Management Dashboard

Information such as press performance trends, analytics, and benchmarking.

Operation Dashboard

Operator focused information such as press performance, manuals, and videos about best practices.
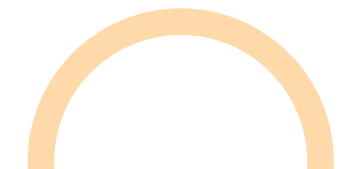
User Management & Personalized Performance

Operators can be logged in individually, access default settings can be set and stored according to print management.

Lifecycle Optimization

Performance Program

MPSConnect

Applications

The EF press is a multi-substrate press, well-suited for various label and flexible packaging applications, including: Self-adhesive labels, shrink sleeves, wrap-around, in mold, multi-layer labels, lami tube, blister lidding and many more.

The EF platform offers endless functionalities for converting, such as:

▸ UV, LED, Hot Air drying

▸ Adding various printing technologies, including: screen, gravure, monochrome inkjet

▸ Multiple options for multi-layer printing

▸ Die-cutting: flat, rotary, semi-rotary

▸ Embellishing: embossing, foiling

▸ & many more!

By owning an MPS EF press with their Performance Program, the control, monitoring, management, and improvement of printing production is in our hands, with ongoing support from MPS.

Dawid Kamiński
CEO Alu-Lids, Poland

EF next generation specifications

Material width	340 mm / 13,5 inch 430mm / 17 inch 530 mm / 21 inch 580 mm / 22,5 inch
Printing width	330mm / 13 inch 420mm / 16,5 inch 520 mm / 20,5 inch 570 mm / 22 inch
Mechanical speed	200 m/min 650 ft./min
Repeat size sleeves	10 - 25 inch
Substrates	15 - 450 µm 0,6 – 18 P

Features

Crisp.Dot Technology	✔
Job memory	✔
AutoTeach	✔
Non-stop print change	✔
Slide-out ink drawer	✔
MPSConnect	✔
Centralized main control panel	✔
Machine controls at every print station	✔
iStop	✔
Quick Change Die Station	✔
Advanced Automation	✳

✔ Standard   ✳ Optional

mps