

Power tools to **boost** your capabilities and profits



September 2026

Power up your **versatility**

EFI™ superwide and wide-format roll-to-roll LED printers feature rich collection of value-added options and software that transform them into all-in-one, multi-purpose platforms – expanding your capabilities, application offerings, and profit opportunities.



Specifications per printer

		VUTEk X3r	VUTEk X5r	VUTEk Qx3r	VUTEk Qx5r	VUTEk 3r+	VUTEk 5r+	VUTEk D3r	VUTEk D5r	Pro 33r	Pro 32r+
Colors (optional)		CMYK (1c-1m-1k, white, clear coat)		CMYK (white, clear coat)		CMYK (1c-1m-1k, white or clear coat)		CMYK (white, clear coat)		CMYK (white or clear coat)	
Printheads		Ricoh Gen-6 32 CMYK, (6 white, 2 clear)		Ricoh Gen-5 24 CMYK, (4 white, 2 clear)		Ricoh Gen-5 16 CMYK (2 white or 2 clear)		Ricoh Gen-5 8 CMYK (2 white, 2 clear)		Ricoh Gen-6 12 CMYK (6 white or 2 clear)	Ricoh Gen-5 8 CMYK (4 white or clear)
Max. print width		137 in 348 cm	208 in 520 cm	137 in 348 cm	208 in 520 cm	137 in 348 cm	208 in 520 cm	137 in 348 cm	208 in 520 cm	126 in 320 cm	
Resolution (up to)		1200 dpi		1200 dpi		1200 dpi		1200 dpi		1100 dpi	847 dpi
Curing technology		LED		LED		LED		LED		LED	
Multi-roll		2 x 63 in 1.6 m	3 x 63 in 1.6 m	2 x 63 in 1.6 m	3 x 63 in 1.6 m	2 x 63 in 1.6 m	3 x 63 in 1.6 m	2 x 63 in 1.6 m	3 x 63 in 1.6 m	2 x 63 in 1.6 m	
Max. roll weight	Standard	496 lbs 225 kg		496 lbs 225kg		496 lbs 225kg		496 lbs 225kg		1 x 440 lbs 200 kg	
	Optional	882 lbs 400 kg		882 lbs 400 kg		882 lbs 400 kg		882 lbs 400 kg		2 x 440 lbs 200 kg	
Max. roll diameter	Internal	12.6 in 32 cm		12.6 in 32 cm		12.6 in 32 cm		12.6 in 32 cm		17.7 in 45 cm	
	External	18.9 in 48 cm		18.9 in 48 cm		18.9 in 48 cm		18.9 in 48 cm		-	
Inks		EFI-3M™ SuperRange XF Inks EFI-3M™ SuperFlex XF Inks		EFI-3M™ SuperRange XF Inks EFI-3M™ SuperFlex XF Inks		EFI-3M™ SuperRange XF Inks EFI-3M™ SuperFlex XF Inks		EFI-3M™ SuperRange XF Inks EFI-3M™ SuperFlex XF Inks		EFI-3M™ SuperRange XF Inks EFI-3M™ SuperFlex XF Inks	
Digital front end		Fiery® proServer Premium		Fiery proServer Premium		Embedded Fiery		Embedded Fiery		Embedded Fiery XF	

Inline finishing
options

Double-sided
printing

Color
options

Media handling
accessories

Software
options

General
options

Options
compatibility chart

Automated Inline Finishing Workflow



EFI's unique roll-to-roll workflow automates the complete printing and finishing process on the fly, in a single system. The system can include any combination or all of the following optional Power Tools:

ID Backprint prints file information on the media's back for faster downstream identification during packing, shipping, and installation.

InSpec AI – AI-powered inspection automatically identifies print defects and efficiently makes corrections before costly reprints are needed.

Automatic Y-slitters automatically trim off margins or slit media into multiple jobs, minimizing media waste and increasing overall print area.

X-cutting adds inline roll-to-sheet cutting for ready-to-use sheets, reducing manual finishing steps.

Benefits:

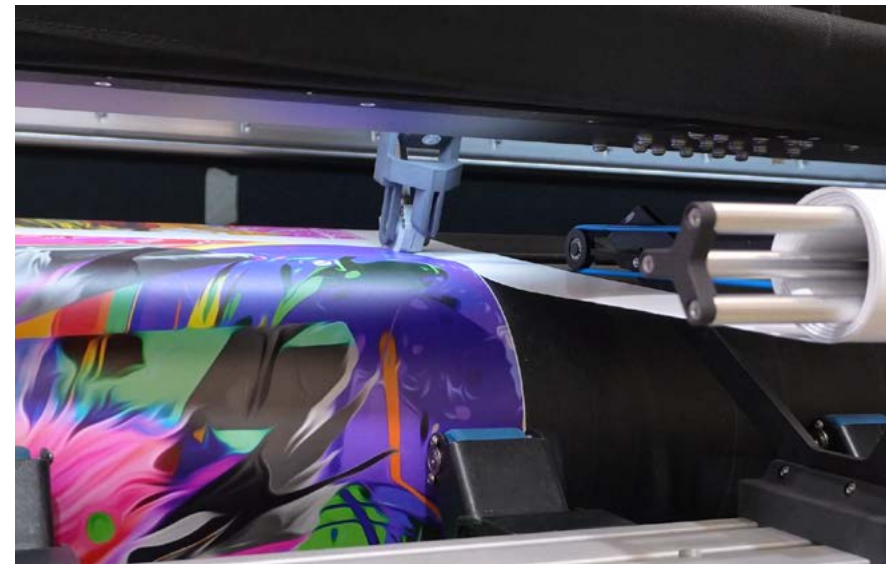
- Saves valuable time and eliminates bottlenecks at finishing stations
- Replaces additional expensive finishing equipment and saves valuable floor space
- Ensures perfect print quality with minimal operator intervention
- Prevents finishing, shipping, and installation errors
- Increases yield



Auto Y-slitter

For automatically trimming off margins or slitting media into multiple jobs, minimizing media waste and increasing print area.

- Trim-as-you-print
- Automatic operation and adjustment of the slitters' position along the printer table, according to image edge
- Controlled via the front-end software
- Selection of with or without bleed
- Blades are distanced and retracted when not in use for maximum user safety
- Waste Collectors roll up trimmed margins, increasing overall productivity and eliminating the potential mess
- Supports all print modes and most common roll printing media types
- Four units for 3-meter printers; six units for 5-meter printers
- Supported on VUTEk Xr and Qxr lines



Inline Finishing Options



Y-slitter

For vertical trimming of margins or slitting of a single media into multiple jobs, minimizing media waste and increasing the printing area.

- Simultaneous cutting of media on the Y-axis and printing
- Modifiable configuration:
 - Single-bladed for trimming margins
 - Double-bladed for slitting of single media into two jobs (blades are fixed 8 mm | 0.3 in apart)
- Simple and easy installation with no tools required
- Easy manual adjustment of position along printing table
- Retractable blades for maximum safety
- Includes waste collectors to roll up the trimmed remnants to increase your overall productivity and eliminate the mess



X-cutter

Unique roll-to-sheet horizontal cutter incorporated in the printer.

- Automatically cuts media on the X axis between jobs, on-the-fly
- Controlled via the front-end software
- Does not affect productivity
- Saves valuable time at finishing station
- Replaces expensive cutting equipment and saves space
- Prevents finishing errors and increases yield

Notes:

- Maximum cutting width in 5.2 m printers: 500 cm | 197 in
- Maximum cutting width in 3.5 m printers: 320 cm | 126 in





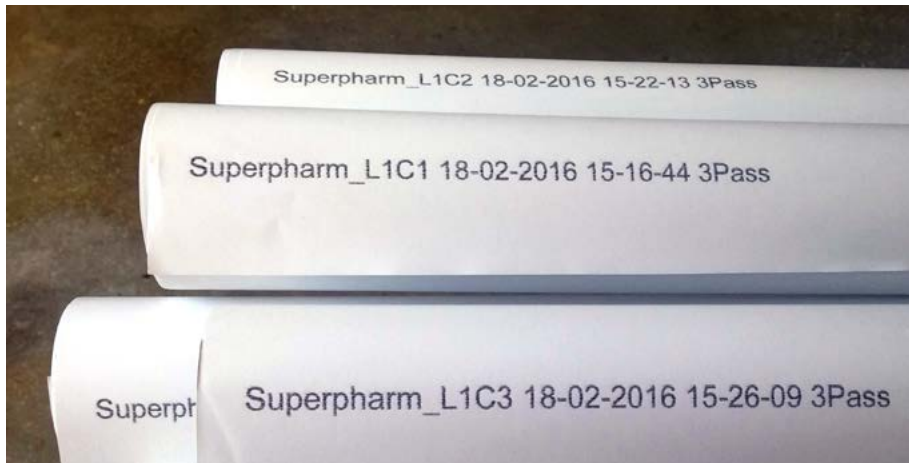
ID backprint

A device that prints file information on the back of the media, facilitating the identification of finished jobs for packing, shipping, and installation.

- Printed data includes:
 - File ID
 - Printing date and time
 - Print mode
 - Barcodes and QR codes
 - Copy number and more
- Eliminates the need for manual labelling
- Helps prevent shipping errors
- Saves time during installation of printed job

Notes:

- Applicable to jobs of 100 cm | 39 in in linear length and longer
- Supports white ink for dark backed media



InSpec AI

Real-time inspection, automated correction, and AI-powered quality control.

BUILT INTO THE PRINT WORKFLOW



1 PRINT PRODUCTION

Live printing process



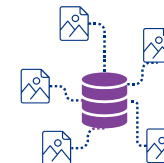
2 REAL-TIME PRINT CAPTURE

- High-resolution camera monitoring
- Continuous scanning during printing



3 DIGITAL COPY CREATION

Stitching algorithm creates hi-res digital copy of the actual printed output



4 DATABASE ARCHIVING

Recorded output is stored for traceability and post analysis, job history is kept for future reference



5 INSPEC AI (Licensed add-on)

- Detection and classification
- Real-time alerts
- Automatic intervention (stop/correct)
- Continuous learning

DETECTION > CORRECTION > PREVENTION

CONTINUOUS LEARNING & PROCESS OPTIMIZATION
Evolving AI platform (licensed & continuously improving)

BUSINESS IMPACT



CONSISTENT QUALITY
Deliver excellence on every job.



REDUCED WASTE
Less material.
Lower costs.



FULL TRACEABILITY
Complete record of every print.



FEWER REPRINTS
Get it right the first time



AUTOMATED QA
Less manual work.
Higher productivity.

Inline finishing options

Double-sided printing

Color options

Media handling accessories

Software options

General options

Options compatibility chart

Double-sided printing

EFI roll-to-roll printers offer two automated solutions for double-sided printing:

- Automatic blackout printing
- Automatic backlit printing

All solutions combine proprietary software, dedicated electronics, and hardware to facilitate those challenging applications



WATCH
THE VIDEO



Automatic blackout printing

An automatic system that enables printing on both sides of opaque blackout media, resulting in excellent registration between sides.

- Accuracy of ≤ 5 mm over 10 linear metres
- Includes an optical sensor system, dedicated electronics and software
- Simple, easy, and fully automatic system.
- Eliminates the need for guesswork and manual manipulation
- Reduces required operator skill level
- Two available workflows, to be defined before printing:

- Head-to-head printing for short jobs where media is rolled back, flipped over, and reinstalled with side B up
- Head-to-tail printing for longer jobs where printed media is collected on a front core, flipped over, and reinstalled with side B up

Notes:

- Automatic blackout supports multi roll printing
- Use of X-cutter and Y-slitters with automatic blackout is limited:
- Slitters – possible according to built-in instructions
- Cutter – can be used for side B



WATCH
THE VIDEO



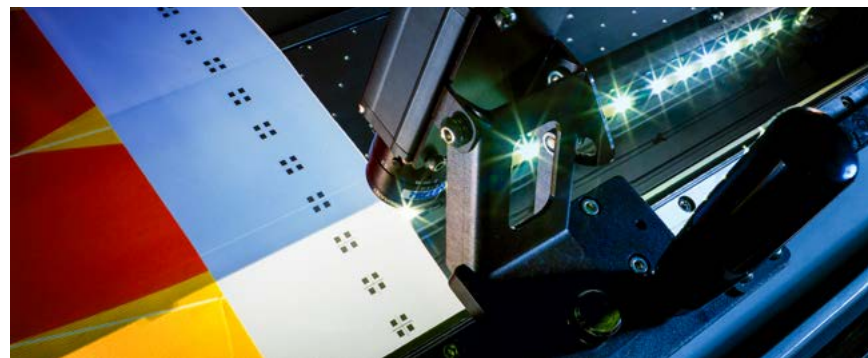
Automatic backlit printing

Automatic, patented system for perfectly aligned double-sided backlit printing on backlit media.

- Accuracy of ≤ 2 mm over 10 linear metres
- Camera-guided software automatically corrects registration on x, y, and tilt axes
- Includes two cameras, LED strip along printing table, and dedicated software
- Simple, easy, and fully automatic system
- Eliminates the need for guesswork and manual manipulation
- Reduces required operator skill level

Notes:

- Automatic backlit is not compatible with multi-roll printing
- Use of X-cutter and Y-slitters with automatic backlit is limited:
 - Slitter – not supported
 - Cutter – available on B side, according to built-in instructions



Color options

In addition to the standard CMYK colors, EFI roll-to-roll printers offer optional white and seven-color printing*, adding a wide range of high-margin applications to your portfolio



White printing

- Enables printing on colored and transparent media
- Opens up a myriad of creative possibilities
- Instant uptime of white printheads, thanks to advanced circulation system in the ink tanks and along the entire ink system
- Multiple white print modes for various challenging applications:
 - White only
 - White as background (White Under)
 - White on top of color (White Over)
 - White for backlit applications (C-W-C)
 - Five-layer printing (C-W-B-W-C) for blackout printing on clear
 - Various additional multi layer print modes



Seven-color printing

- Enables seven-color printing, by adding three light colors: light cyan, light magenta and light black
- Based on existing printhead configuration, without adding more heads

Benefits:

- Expanded color gamut
- Smooth gradient transitions
- Vivid and crisp colors
- Fine details
- Smooth skin tones

Note:

* Seven-color printing is not supported on VUTEk D3r & D5r, EFI Pro 32r+ and Pro 33r



Specialty print modes

Express your creativity

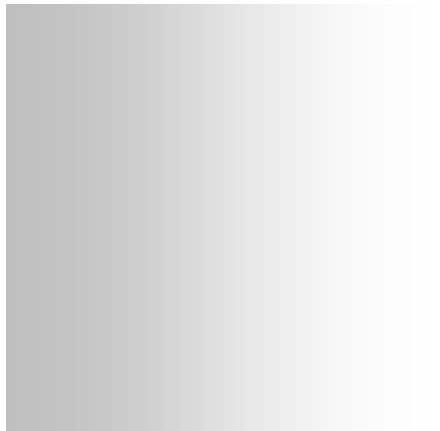
Four new print modes are now available, offering exciting creative possibilities. These optional print modes are HASP protected.



Brilliant
Selective gloss effect without using UltraClear Coat ink



Mix White
Selective white opacity without compromising speed



White-only Smoothing 4
Special white gradient print mode with exceptionally smooth transitions



Haptic
Print textured dimensional graphics using white and UltraClear Coat



UltraClear Coat

- Printed inline, simultaneously with the image without slowing production speed
- Printed on top of the color layer
- Enhances the output, adding extra pop to the colors and offering beautiful creative possibilities
- Full flood or selective
- Glossy or matte finish with the same ink
- Provides three up to five years of outdoor protection against:
 - Abrasion and scratching
 - Chemicals such as detergents, gasoline, and IPA
 - Weather damage
 - Air pollution
 - UV fading/yellowing
- Saves time versus separate offline coating systems



Media handling accessories

EFI roll-to-roll printers offer multiple media handling accessories to facilitate neat media feeding and collection, enable handling of media rolls at various weights, and to support continuous uninterrupted work.



Motorized winder

Integrated winder and unwinder solution with motorized pneumatic inflatable core shafts for precise and excellent media collection:

- Improves media advance and print quality
- Allows using larger and heavier rolls
- Supports full printer width media as well as multi-roll
 - 2 x 1.6 m | 2 x 63 in units for 3.5 m printer models, front / back
 - 3 x 1.6 m | 3 x 63 in units for 5.2 m printer models, front / back

Specifications

- Basic unit – front / back: 1.6 m | 63 in width / 3 in core
- Max media weight: 400 kg | 880 lbs
- Max media diameter: 50 cm | 20 in
- Additional airshaft cores - front / back:
 - 2.38 m | 93 in / 3 in core
 - 3.2 m | 126 in / 3 in core
 - 5.2 m | 205 in / 3 in core
 - 1.6 m | 63 in / 6 in core
- All flexible media types supported



Auto mesh system

Printing on mesh and other porous substrates becomes faster, easier, and cleaner than ever before.

- Full shift non-stop continuous mesh printing
- Reduced mist and overspray
- Decreased operator labor
- 4 user-defined blotter speed levels

Notes:

- Consumable blotter paper supplied by EFI
- Supported on VUTEk Qxr and Xr series and EFI Pro 33r only





Media collection kit

A set of accessories that facilitate neat media feeding/collecting, holding in place media rolls positioned directly on the rear or front of the printer to prevent them from shifting sideways.

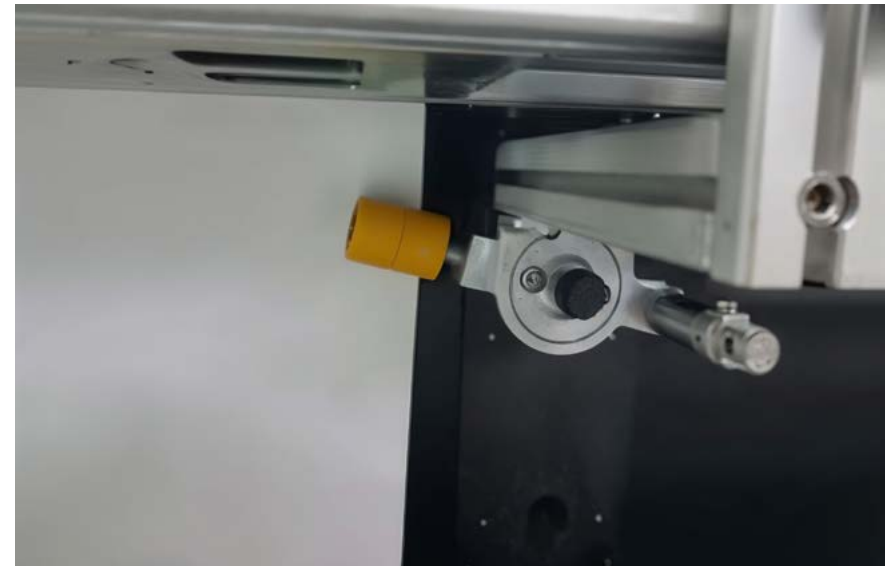
- Delivered with EFI VUTEk roll-to-roll printers (excluding the EFI Pro 32r+ and Pro 33r), the standard kit for single-roll media collecting includes:
 - One pair of back media limiters
 - One pair of front media limiters
 - One pair of media disks for attaching to both ends of 3 in core (can be used for both front and back)
- Additional multi-roll media collection kits (front) can be ordered separately (one for 3.5 m, two for 5.2 m printers)



Media spreaders

A pair of clamp-like devices that stretch the media sideways to enable neat media inlet to the printer.

- Helps prevent potential media wrinkles
- Improves media advance
- Facilitates printing on various types of challenging media
- Easy to install at both ends of the press beam on the rear of the printer
- Position and tilt angle are adaptable to the media type and width
- Front spreaders are available for highly challenging media types
- Two units are included as standard with VUTEk 5r+, VUTEk Qx5r and VUTEk X5r





Three-meter super duty unwinder

Fully integrated unwinder or rewinder option for the EFI VUTEk roll-to-roll 3-meter and 5-meter printers.

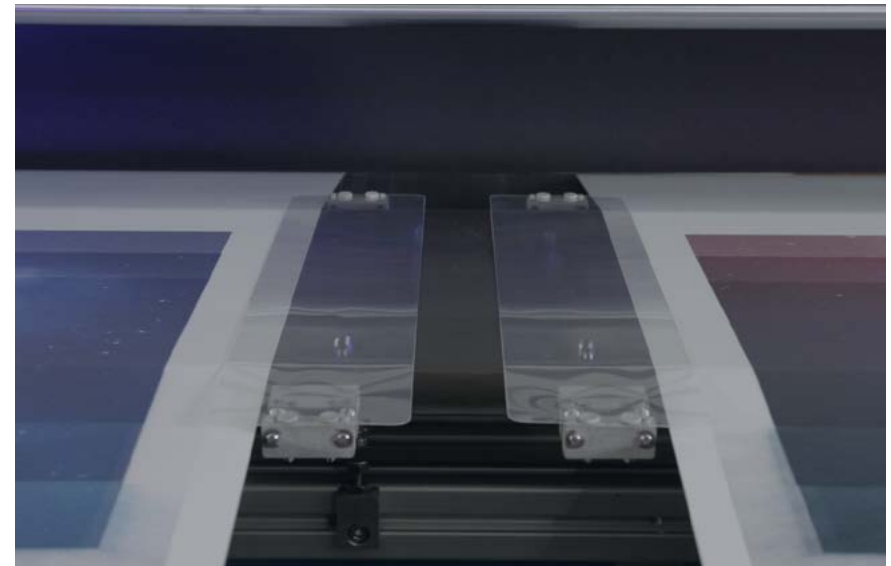
- Enables working with heavy 3 m media rolls up to 793 kg | 1,750 lbs
- Enables continuous, uninterrupted work without stopping to change rolls
- Increases productivity in high volume runs due to less make ready
- Equipped with dancer and external motor
- Material width: 320 cm | 126 in
- Maximum media diameter: 70 cm | 27.5 in
- Standard 3 in core; optional 6 in core



Media edge guards

Optional Media edge guards (MEG) are used for speciality media types with uneven or wavy edges that tend to curl or unravel, such as textiles and wallpaper.

- Designed to protect the print carriage and printheads from crashing into the uneven media edges
- Eliminates ruined jobs and prevents wasted media
- Can be attached quickly and easily with magnets anywhere along the printing table
- Use as many units as needed and multiple units for multi-roll





Turn the rich data from your EFI roll-to-roll printer into brilliant business decisions

Optimize the operational efficiency and total cost of ownership of your EFI roll-to-roll printer with EFInsight™ – a powerful, cloud-based service platform designed to help track and analyze the key performance indicators that truly matter to your operation. With real-time data collected directly from the printer, the platform provides rich, reliable insights essential for improving production efficiency and maximizing overall system performance.



Quality maintenance kit

Enables on-site skilled operators to periodically identify and fix issues that may be affecting print quality, such as shifts in printer calibration and ageing print nozzles.

Includes:

- Auto calibration
- Auto nozzle compensation
- System includes software and a dedicated scanner
- Self-ownership and fast onsite reaction
- Minimizes service visits and increases uptime
- Extends printhead lifespan up to 30% on average





Media saving wizard

- Designed to improve media stock management
- The user enters the length of the media each time a new or partially used roll is loaded into the software
- Before the media is removed from the printer, a label with the remaining media length is printed on the rim of the roll
- The software will alert the user before starting a job if the remaining media on the roll is insufficient for the job

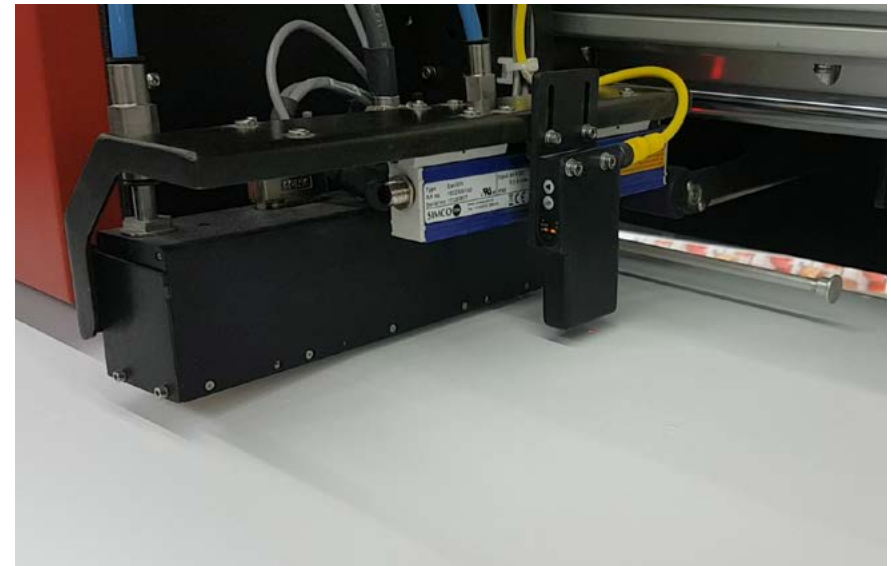


General options



Wrinkle analyzer

- Helps avoid head strikes caused by media wrinkles, preventing ruined jobs and enabling use of low-cost media.
- Media height detector identifies a media wrinkle before the print head reaches it
 - The front-end software prompts the user to raise the carriage just enough to avoid head strikes that may ruin the job and, then, to resume printing
 - Saves time and money
 - Protects printheads from head strikes

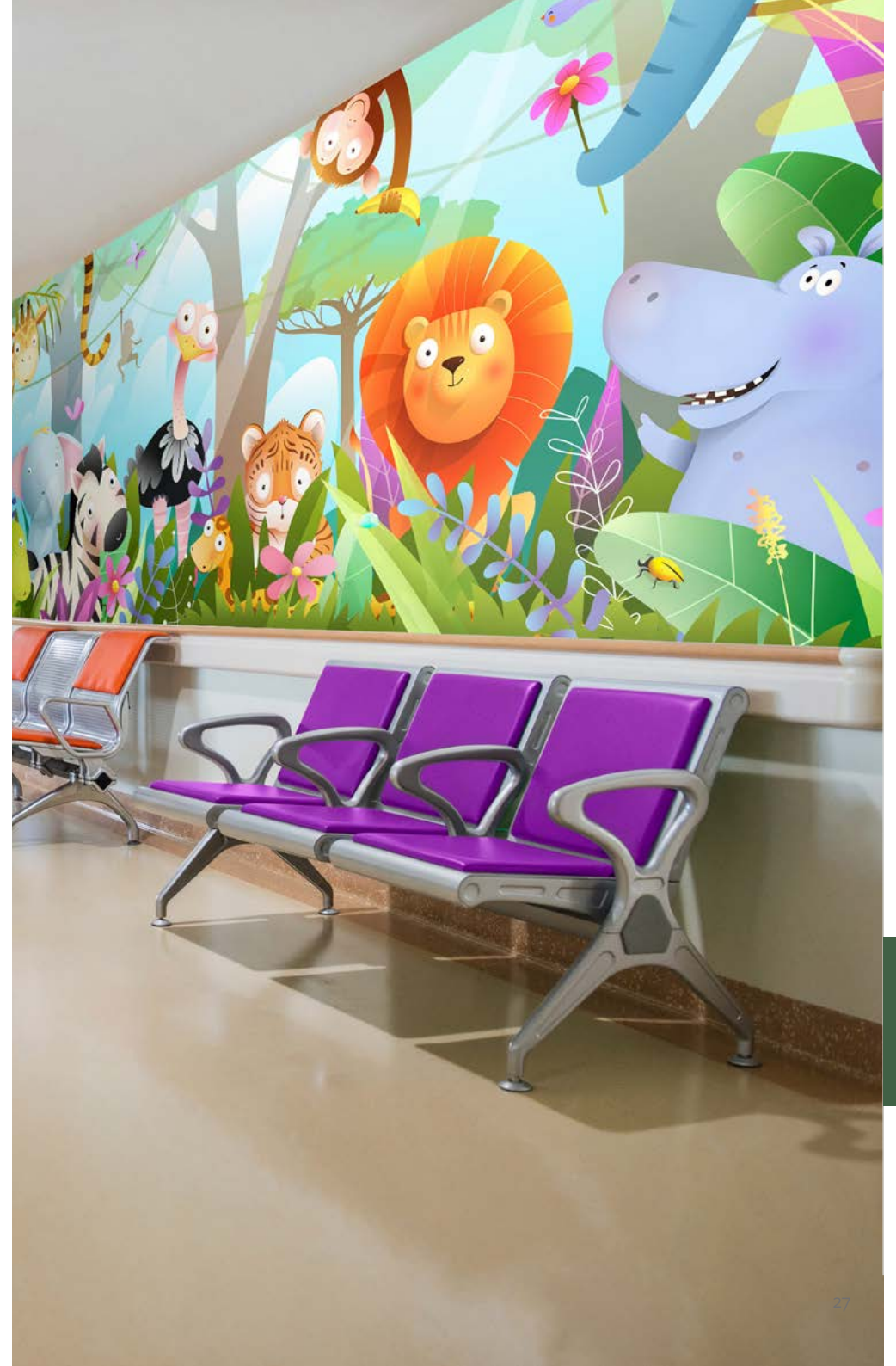
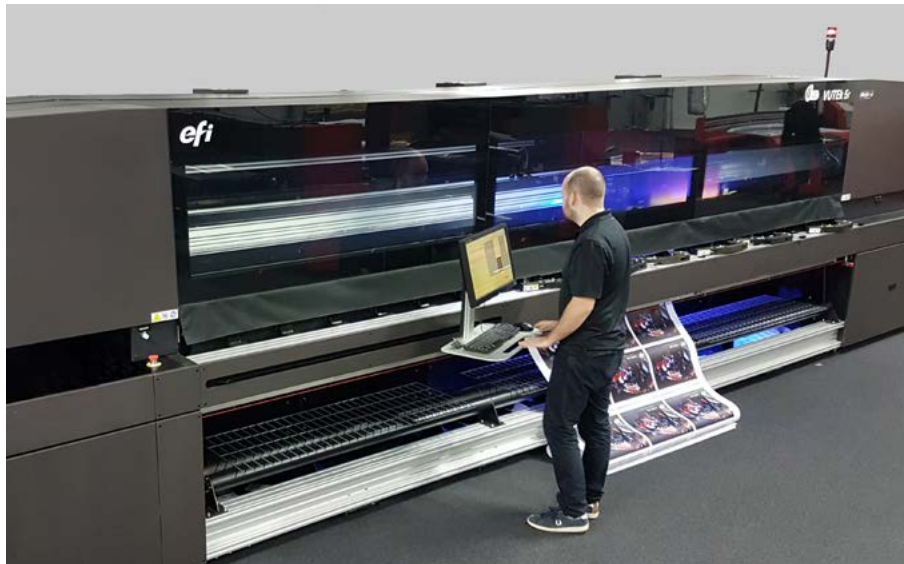




Mobile operator station

The mobile workstation can slide from its home position towards the middle of the printer.

- Saves the operator from moving back and forth between the station and the output
- Equipped with a touch screen for quick and easy operation
- Increases productivity and usability



Inline finishing
options

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Options
compatibility chart

Options compatibility chart

S = Standard **O** = Optional

		VUTEk X3r	VUTEk X5r	VUTEk Qx3r	VUTEk Qx5r
Inline finishing	Auto Y-slitters	O	O	O	O
	Y-slitters	O	O	O	O
	X-cutter	O	O	O	O
	ID backprint	O	O	O	O
Colors	InSpec AI	O	O	O	O
	White printing	O	O	O	O
	7-color printing	O	O	O	O
	UltraClear Coat	O	O	O	O
Double sided	Automatic blackout	O	O	O	O
	Automatic backlit	O	O	O	O
Media handling	Super duty winder 3m	O	O	O	O
	Motorized winder	O	O	O	O
	Media edge guards	O	O	O	O
	5m metal bar	-	S	-	S
	Media spreaders	O	S	O	S
	Auto mesh system	O	O	O	O
	Integrated mesh kit	S	S	S	S
General	Wrinkle analyser	S	S	S	S
	Ioniser	S	S	S	S
	Chiller	S	S	S	S
	Mobile operator tation	S	S	S	S
Software	Media saving wizard	S	S	S	S
	EFInsight	O	O	O	O
	Quality maintenance kit	O	O	O	O

* Choice between white OR UltraClear Coat

** Auto Calibration only

Upgradability: The roll-to-roll unique optional features can be integrated in the factory with new printer orders and are also field upgradable for the relevant printer models according to the Options Compatibility Chart below and under EFI policy.

The functionality of the roll-to-roll optional features described herein may be affected by specific job properties, media types, the combination of several options, etc.

Before ordering, please verify with an EFI representative that the options you have selected will work as intended for your application purpose.

VUTEk 3r+	VUTEk 5r+	VUTEk D3r	VUTEk D5r	Pro 32r+	Pro 33r
-	-	-	-	-	-
O	O	O	O	O	O
O	O	O	O	-	-
O	O	O	O	-	-
-	-	-	-	-	-
O	O	O	O	O	O
O	O	-	-	-	-
O*	O*	O	O	O*	O*
O	O	O	O	O	O
O	O	O	O	O	O
O	O	O	O	O	O
O	O	O	O	O	O
O	O	O	O	O***	O***
-	S	-	O	-	-
O	S	O	O	-	-
-	-	-	-	-	O
S	S	S	S	S	S
S	S	S	S	S	S
S	S	S	S	S	S
S	S	S	S	S	S
S	S	S	S	O	O
S	S	S	S	-	-
S	S	S	S	O	O
O	O	O	O	O	O
O	O	-	-	-	O**

*** Split shaft dual roll

Inline finishing options

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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 signage, packaging, textiles, ceramic tiles, and building materials, with a wide range of printers and inks. 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 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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