EFI Pro 32r+ *efi*®

Grow. Profit.
Change the game.

EFI Pro 32r+

- Designed for entry-level print producers, seeking to grow, enabling to:
  – Supply high-quality graphics
  – Commit to larger capacity runs
  – Offer a wider range of applications
  – Win more campaigns
  – Eliminate outsourcing
  – Combine several systems into a single all-in-one unit

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EFI Pro 32r+ at a Glance

- Speed: up to 2,835 ft²/hr | 265 m²/hr
- Width: 126" | 3.2 m
- Printheads: Ricoh Gen-5 – 7 pL
- Curing System: UV LED
- Colors: CMYK + optional white or clear
- Resolution: up to 847 true dpi
- Multi-roll: 2 x 1.6m
- Industrial printer

Available inks:

- EFI-3M SuperRange XF
- EFI SuperFlex XF

Standard features
- Built-in Fiery XF
- Integrated Mesh kit
- Wrinkle analyzer
- Built-in Lightbox
- Ionizer
- Advanced Software Settings

Optional features
- White **or** Clear ink
- Y-Slitters
- Automatic Blockout
- Backlit
- Media Saving Wizard
- iPhone Application
- Super Duty Winder
- Media Edge Guard
- Dual Roll Split Shafts (1.6m x 2)

All about the PLUS / EFI Pro 32r+

Standard features

Speed

New max speed:
265 m²/hr
2,835 ft2/hr

Quality

30% higher resolution
○ Up to 847 dpi

Print modes

New applications
- Outdoor
- Indoor

SW tools

- Pre-setting
- Auto arrange
- Multi file
- And more…

Optional features

White Printing

- White Double Strike
- White-Under Production
- White-Under with Double Strike

SuperFlex ink

SuperFlex ink for fleet graphics

3M MCS
For SuperFlex XF

3M™ MCS™ Graphics

Clear ink

- Graphic Enhancement
- Choice between white or clear

Media handling

Media Edge Guard

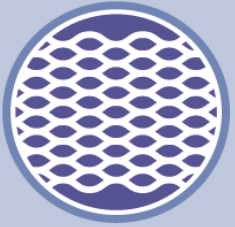Dual roll split shafts

3.2m Super Duty Winder up to 793kg

Media saving wizard

EFI IQ & GO

Value added features

Standard features

Mesh Kit

Wrinkle Analyzer

fiery

Built In Fiery XF

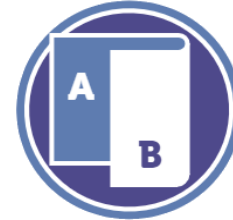Advanced software settings
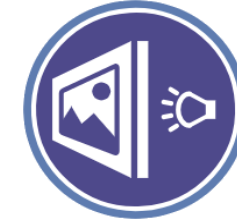
Optional features

NEW

Dual Roll Split Shafts

NEW

Super Duty Winder

W

White printing

y

Y-slitter

A B

Automatic Blockout

Backlit

NEW
&

Media Edge Guard

NEW

clear

Clear Ink

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iPhone App

REMAINING

Media Saving Wizard

Applications and Speeds

4-colors

Application	Resolution	m²/hr	ft²/hr
Billboard	390 X 300	265	2,835
Distant view	390 X 600	207	2,227
Outdoor	390 X 600	134	1,442
Production	847 X 600	104	1,119
Indoor	847 X 600	92	990
POP	847 X 600	69	743
Quality	847 X 600	52	560
High Quality	847 X 600	44	474
Quality –Double Strike	847 X 600	25	269

4 colors + White

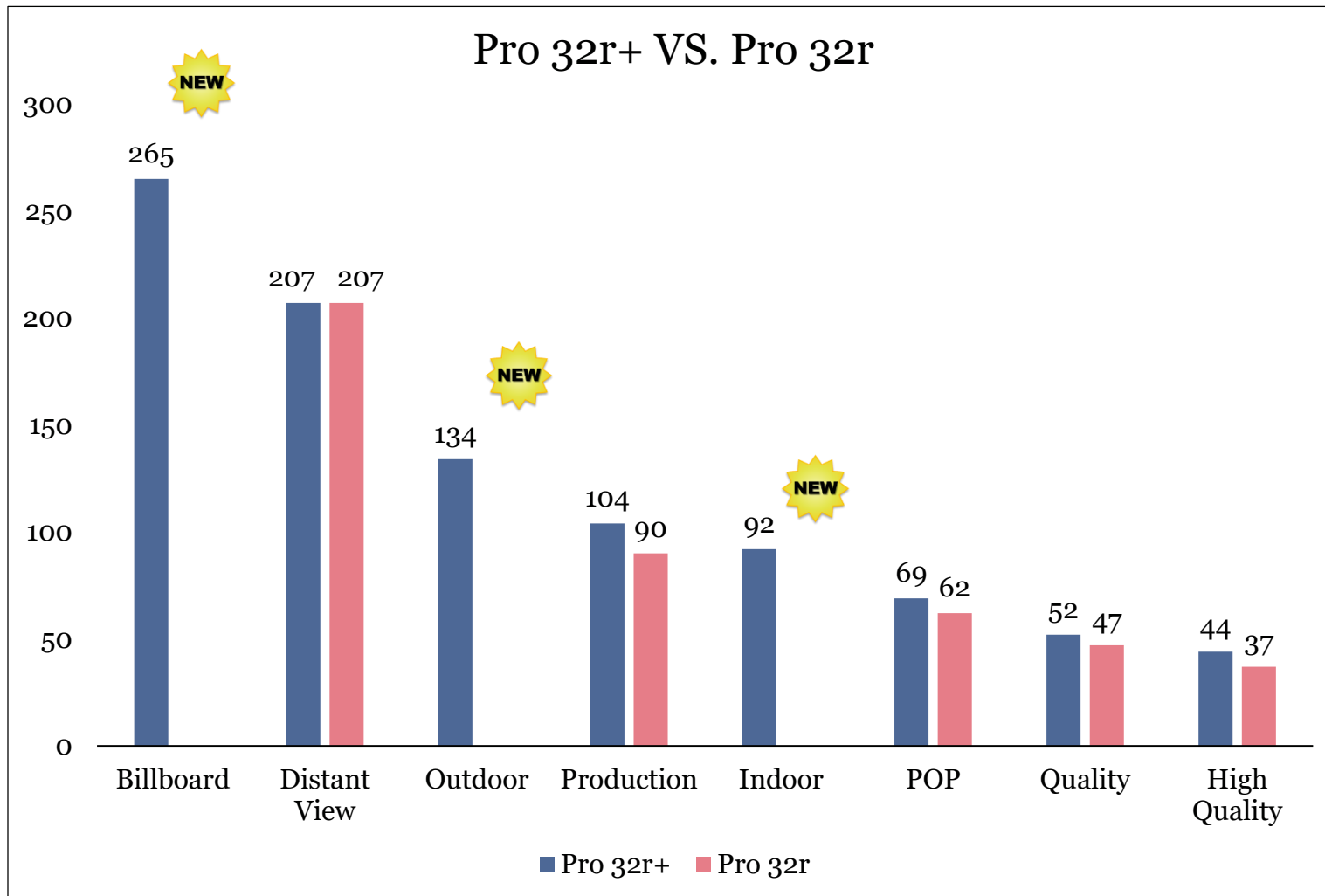| Application		Resolution	m²/hr	ft²/hr
White	Standard	847 x 600	52	560
	White double strike	847 X 600	29	312
White-Over		847 X 600	29	312
White-Under - Production		847 X 600	34	366
White-Under	Standard	847 X 600	27	291
	White double strike	847 X 600	19	204
White-CWC		847 X 600	20	215
White-C1WC2 (day/night)		847 X 600	23	248
White-CWBWC		847 X 600	15	161

4 colors + Clear Coat

Application	Resolution	m²/hr	ft²/hr
Color + Clear ink	847 X 600	42	452

Chart speeds are based on the maximum possible printing width: 126 in | 320 cm

Speed improvement - CMYK

Pro 32r+ VS. Pro 32r

Chart values:
- Billboard: Pro 32r+ = 265 (NEW)
- Distant View: Pro 32r+ = 207, Pro 32r = 207
- Outdoor: Pro 32r+ = 134 (NEW)
- Production: Pro 32r+ = 104, Pro 32r = 90
- Indoor: Pro 32r+ = 92 (NEW)
- POP: Pro 32r+ = 69, Pro 32r = 62
- Quality: Pro 32r+ = 52, Pro 32r = 47
- High Quality: Pro 32r+ = 44, Pro 32r = 37

Legend: Pro 32r+ (blue), Pro 32r (red)

- Speed: up to 265 m²/hr
- 15% average speed increase
- Higher resolution, up to true 847 dpi
- New print modes
  - Billboard
  - Outdoor
  - Indoor

Speed improvement - Whites

Pro 32r+ VS. Pro 32r
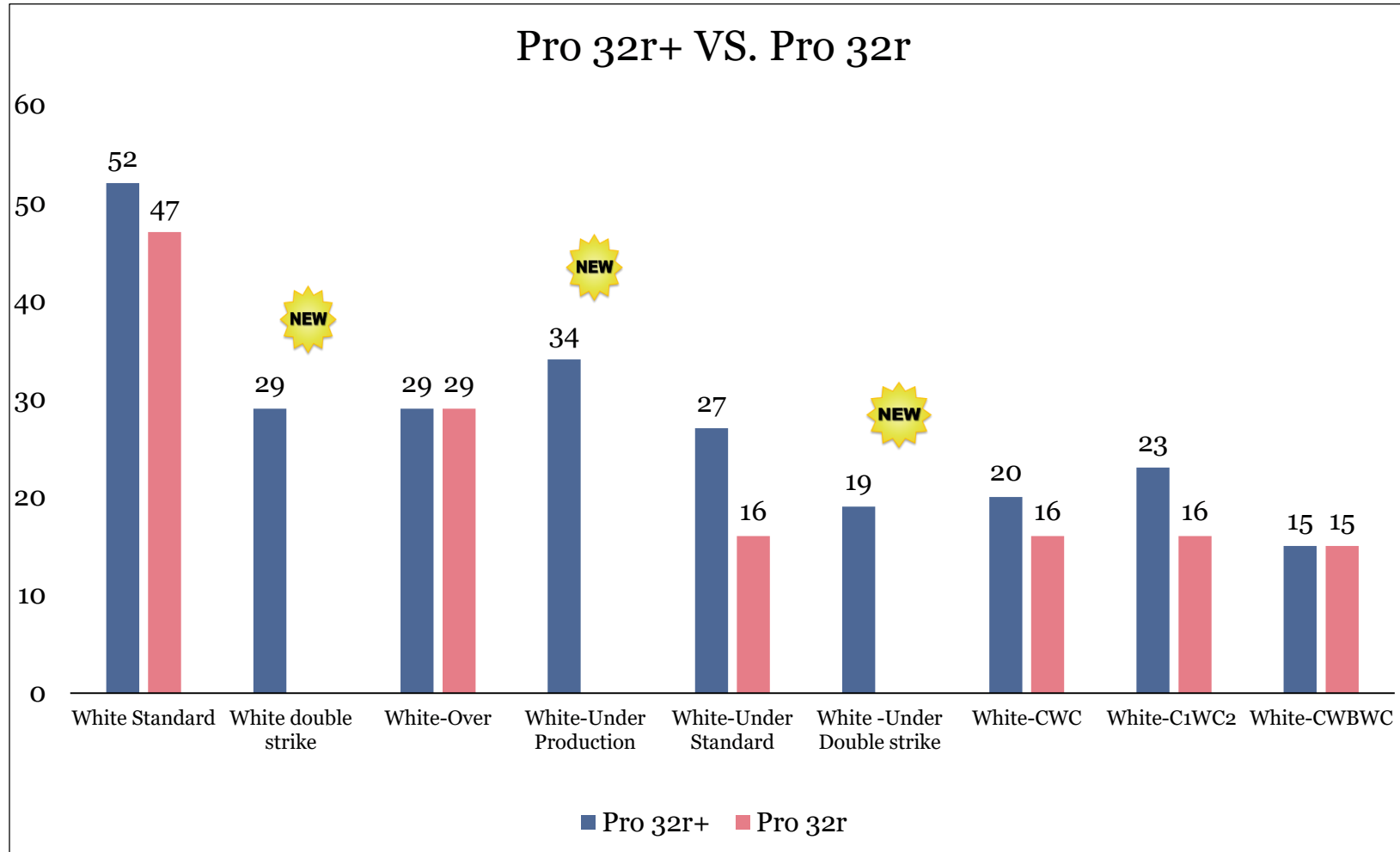
- Average 30% speed increase
- Higher resolution, true 847 dpi
- New print modes
  - White double strike
  - White-Under Production
  - White-Under Double strike

Applications - Outdoor

Billboards

Fleet Graphics

Building Wraps

Signs

Double-sided Backlit

Applications - Indoor

Exhibition Graphics

Indoor Decorations

Point of Purchase

Wall Graphics

Wall Covering

Indoor Magnets

Terminal Signage

Double-sided Blockout

Applications - White & Clear printing

Backlit Day/Night

Display Graphics

Window graphics

Truck Side Curtains

White for window graphics

Bus Shelters

Ink Benefits

- 3M™ MCS™ certification
  - SuperRange XF- available including white
  - SuperFlex XF- Soon

- The best ink coverage in the market
  - average 150 sqm/Liter

- GreenGuard & GreenGuard Gold certified

- SuperFlex XF ink elongation -up to 200%

Maximum Cool

- Industry-leading LED curing technology and all its cost savings and environmental benefits:
  - Low power consumption – 1.8 kw
    - One fifth compared to Arc lamps (10 kw)
  - No lamp warm-up time
  - Wide range of supported media
    - Including heat sensitive substrates
  - Saves the need for replacement of UV bulbs
  - Air cooling

Print Quality

- 7pL UltraDrop Technology:
  - Native 7 pL Ricoh Gen-5 printheads
  - True multidrop addressability
  - Outstanding smoothness in shadows, gradients, and transitions
  - Superb four-point text quality
  - Fewer satellites and more clarity in all print modes
- Up to 847 dpi true resolution

UltraDrop™
TECHNOLOGY

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Dimensions & Weight

EFI Pro 32r+		Imp.	Metric
1	Total Width	232.8 in	590 cm
2	Height	73.2 in	186 cm
3	Depth	40.5 in	103 cm
4	Max printing width	126 in	320 cm
5	Net weight	5,952 lbs	2,700 kg
6	Crated weight	7,055 lbs	3,250 kg

Specifications

Channels/Colors	4 Colors, optional white or clear ink
Media capabilities	Flexible media – Roll-to-Roll, Freefall
Multi roll	Dual roll (2 * 1.6m) optional split shafts
Printheads	8 Ricoh Gen-5 + 4 optional white
Resolution	Up to 847 dpi true resolution
Drop size	7 pL
Multilayer white ink	1, 2, 3 & 5 layers
Ink container volume	5.0 Liter
Max roll weight	440 lbs	200 kg
Max roll diameter	17.7 "| 45 cm
Non-printing area	31.5"	80 cm (freefall loading)

Environmental Considerations

Value	Requirements	
	Metric	Imperial
Compressed air	95 psi airflow of 4 cf/m, dry, clean air	6.5 bar airflow of 110 L/min, dry, clean air
Operating Temperature	20 ˚C to 30 ˚C	68 ˚F to 86 ˚F
Humidity	Standard range: 30% - 80% (non condensing) Optimal range: 50% - 80% (non condensing)	
Electrical	KVA 3.5, 220VAC±5%, single phase, 50/60Hz25A Printing consumption: 1.8 kW	

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How to Profit and Change the Game

- Provide shorter time to market
- Lower running costs, better ink consumption and lower power bills, thanks to LED
- Win more campaigns
- Eliminate outsourcing
- Combine several systems into a single all-in-one unit

Up your game with greater profitability and a strong competitive advantage

Thank you ! *efi*®

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Appendix -Options

Dual Roll Split Shafts

- Two individual 1.6m Shafts
  - Enable precise and excellent media collection
  - Improve media advance and print quality
- Enable simultaneous printing on 2 rolls with different diameters
  - Tension between the rolls is automatically adjusted to the media diameter
- Allows using 2 * 1.6 m (63 ") rolls, up to 200 kg each
- Standard 3" core, optional 6" core
- Max. roll diameter -40 cm (16 ")
- **Availability - Q1 '20**
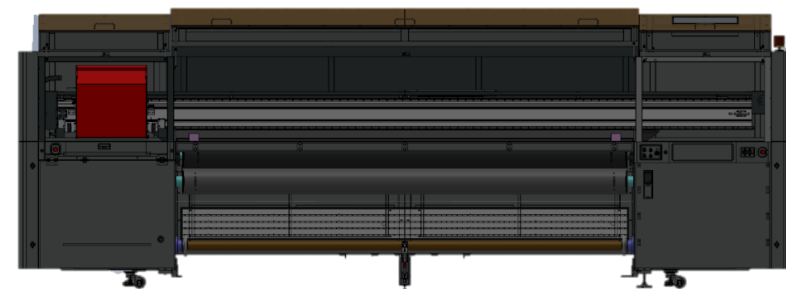
Media Edge Guard

Media Edge Guards are designed for all kinds of specialty wavy media types that have a tendency to curl or unravel on the edges

- Protect the printheads
- Protect the print carriage
- Prevent wasted media
- Eliminate ruined jobs
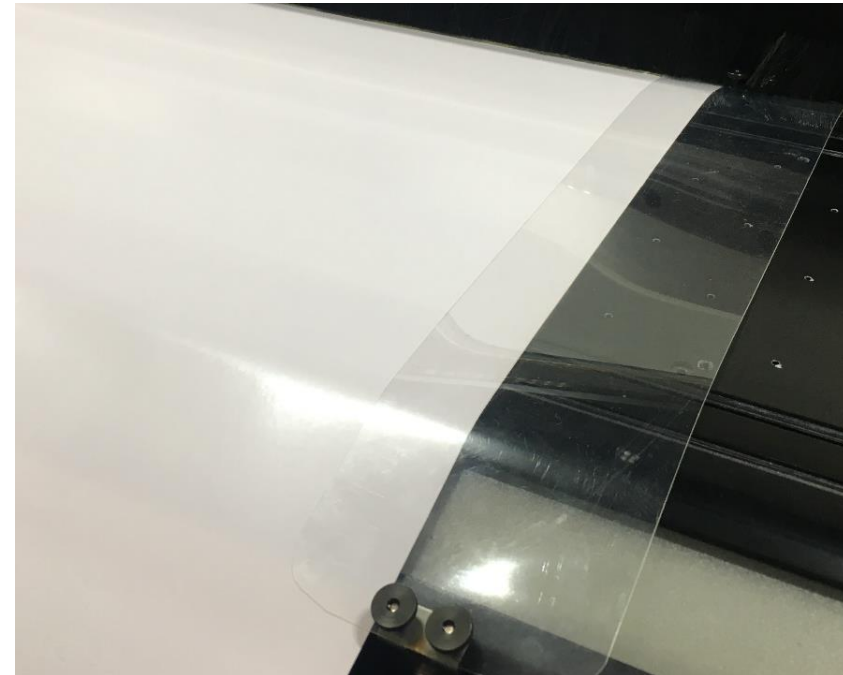
Super Duty Winder

- Allows working with large media rolls up to 1,750 lbs (793 kg)
  - 1,748 lbs (793 kg) 3.2m full-width rolls ONLY
- Minimizes handling of material
- Increases productivity in high volume runs due to less make ready
- Enables continuous, without stopping to change rolls
- Material width: 126 in (320 cm)
- Max. media diameter: 27.5" od (70 cm)
- Standard 3" core, optional 6" core

Clear Ink

- Printed inline, simultaneously with the image without slowing down production speed
- Full flood or spot
- Provides three years of outdoor protection
- Matte effect on selected areas
- Enhances the output, giving colors an extra pop
- Offers a myriad of beautiful creative possibilities
- Uses the white ink channels (choice between white or clear)

Inline Slitters

- A revolutionary workflow that enables printing and y-slitting on-the-fly in a single process
- Manually adjustable Slitters trim off margins and slit a single wide media into several narrower jobs
- Available with single or double blade
- Replace expensive additional cutting equipment
- Save valuable time at the finishing station, prevent finishing errors and increase yield
- Single bladed slitters – order 2 or more
- Double bladed slitter blades are 8 mm apart, distance not adjustable
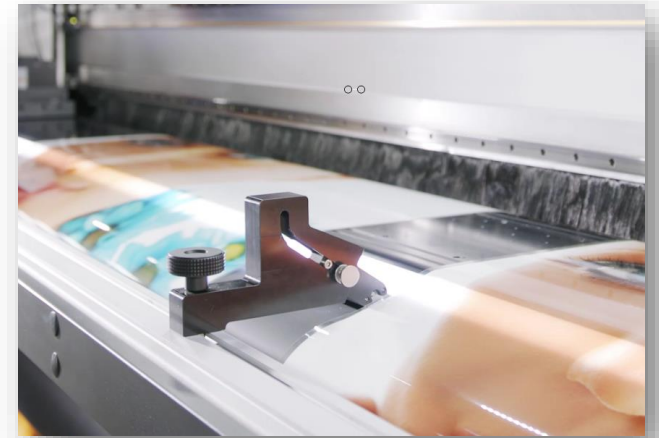
Automatic Blockout Printing

- Innovative automated system for printing double-sided hanging signs and banners

- Fully automatic simple and easy workflow

- Results in faultless registration between sides (Accuracy of ≤ 5 mm over 10 linear meters)

- Eliminates the need for guesswork and manual manipulation

- Reduces required operator expertise level

- Includes optical sensors, dedicated electronics and smart software

Backlit Printing

- Challenging double-sided backlit printing becomes easier with this semi-automated system

- Simple clicks via the software enables to preform the registration corrections, in X, Y and tilt axes

- Includes LED strip along printing table

- Full width built-in lightbox helps align between sides

Fiery XF digital front end Inside

- Fiery XF server software for Windows® including:
  - Spot Color support
  - FAST RIP
  - Cut Marks
  - Color Profiler
  - Color Verifier
- Unlimited macOS® or Windows® installations of Fiery Command WorkStation
  - Up to 10 concurrent connections
- 1-year Software Maintenance & Support Agreement

White ink

- Adds white ink printing capabilities
- White print modes for various challenging applications:
  - White only
  - White as background
  - White on top of color
  - Multi-layer white printing (up to 5 layers)

Media Saving Wizard

- Helps print providers improve media stock management, by indicating the remaining media length on the rim of each used media roll.
- To use this feature, the user needs to enter the length of the media roll each time a new or partially used roll is loaded
- The system measures the media usage while printing
- A label with the remaining media length is printed before the roll is removed from the printer
- The software will alert the user before starting a job, if there is not enough media on the roll
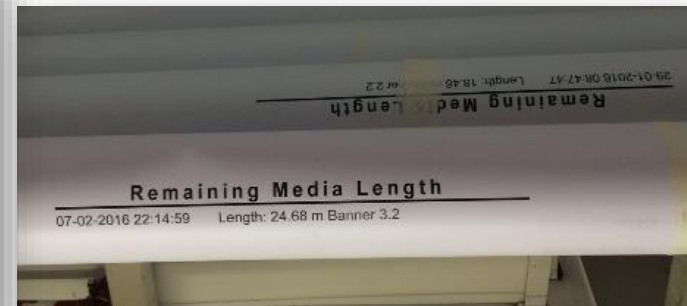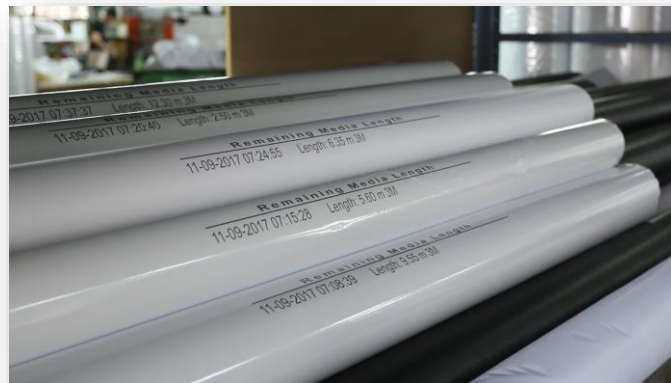
Advanced software settings

An optional bundle of software productivity features for performance enhancement

- User log-in
- Quick Machine Setting per media type
- Multi file on Multi Roll
- File Auto Arrange
- Print Resume
- Automatic L-R

Advanced software settings (1)

- User Login:
  - Each operator can log in with their individual user ID.
  - The operator ID is recorded in the job history database and in the job history log file
  - This can be further used to analyze performance and machine usage.
- Quick Machine Setting
  - Enables to define and save all the printer's settings per media type.
  - Each time the user uses a certain media type, they can setup the printer with the saved Setting in order to ensure consistent printing results.

Advanced software settings (2)

- Multi File on Multi Roll:

  Enables to simultaneously print multi-rolls with a different image file on each roll

- File Auto Arrange:

  Allows uploading multiple files randomly to the queue, and the software arranges the files on the different rolls in the most efficient manner for maximizing media utilization

Advanced software settings (3)

- Print Resume

  Following any type of interruption in the print process - either planned or unplanned - the operator can resume printing the job from the same point where it stopped, or specify a different starting point to reprint only a part of the job

- Automatic L-R

  Enables automatic change of the Left–Right value when the user changes the carriage height, especially during printing

iPhone Application

The EFI R2R IOS app enables print shop production managers to keep track of their printer's production status even when away from the actual production site.

- Allows keeping track of the production status via IOS devices, anywhere, anytime

Thank You