

# Fiery FS500 Pro and Fiery FS500

What's new product guide – cutsheet Fiery servers



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## Introduction

The new Fiery® FS500 Pro/FS500 system delivers innovative, intelligent technology to meet evolving demands of production print environments and provides options to scale for future growth. New features in the latest release provide these integrated digital front ends (DFEs) with the ability to:

- Deliver significant performance and usability improvement with new hardware and software architecture changes
- Provide easier installation, update, and maintenance
- Add access to new prepress and intelligent automation tools to help produce flawless output on both external and embedded Fiery servers
- Give easier access to tools that manage and implement brand colours across an organisation
- Increased spot colour accuracy and easier implementation
- Offer new functions to meet the needs of high security environments
- Make it easier to connect to EFI™ cloud solutions







Fiery FS500 is available for embedded Linux-based servers, and Fiery FS500 Pro for external Windows-based servers. The term Fiery FS500 Pro is also used as a general reference to the software at a system level.

Fiery DFEs are built on a strong foundation focused on security, reliability, scalability, connection, and user centric operation. New features in Fiery FS500 Pro servers make the Fiery foundational areas even more robust, providing more day-to-day reliability and security for your operation. This product guide is structured to present new features by innovation area as well as these foundation aspects.

This guide includes a key at the end of each feature section that indicates the availability of that feature.

<b>Cutsheet external servers</b>	Windows-based servers driving cutsheet printers
<b>Cutsheet embedded servers</b>	Linux-based servers driving cutsheet printers
<b>Standard</b>	Available by default
<b>Optional</b>	Requires an optional software package to enable
<b>N/A</b>	Not available
<b>Check Fiery server materials to confirm support</b>	Available on a product-specific basis
<b>Server</b>	Feature is part of FS500 Pro/FS500 software for external or embedded servers.
<b>Client</b>	Feature requires a specific version of Fiery Command WorkStation.

**New features by innovation and foundational areas**

 <b>Colour &amp; Imaging</b>	 <b>Productivity</b>	 <b>Management</b>	 <b>Connection</b>
<ul style="list-style-type: none"> <li>• Fiery Preflight Pro**</li> <li>• Fiery Preflight ***</li> <li>• Adobe® PDF Print Engine 5.5</li> <li>• Fiery TrueBrand™</li> <li>• Native EFI ES-3000 support</li> <li>• Support of 294 new PANTONE colours</li> <li>• Colour profile use tracking</li> <li>• Calibrator improvements</li> <li>• Spot colour overprint</li> <li>• <u>Raster Curve Editor</u></li> <li>• <u>Fiery Spot Pro improvements</u></li> <li>• <u>Fiery ImageViewer improvements</u></li> </ul>	<ul style="list-style-type: none"> <li>• Improved performance with latest Fiery hardware</li> <li>• PDF Print Engine as default interpreter**</li> <li>• Fiery JobExpert enhancements</li> <li>• Fiery JobExpert and PDF Processing Kit*</li> <li>• <u>Custom imposition for Duplo DC-618 finisher</u></li> <li>• <u>More color settings in Quick Access</u></li> <li>• <u>Job search across all servers</u></li> <li>• <u>Faster installation of Fiery Command WorkStation Package monthly updates</u></li> </ul>	<ul style="list-style-type: none"> <li>• Print time estimation</li> <li>• Fiery Finishing Designer</li> <li>• Easier to manage licenses</li> <li>• <u>Advanced search</u></li> <li>• <u>Move to/Copy to</u></li> <li>• <u>Tags enhancements</u></li> <li>• <u>Fiery Hot Folders support for Fiery FreeForm Plus files</u></li> </ul>	<ul style="list-style-type: none"> <li>• New Fiery default landing pages</li> <li>• Security audit log</li> <li>• Fiery QuickTouch improvements**</li> <li>• Fiery JDF 1.8</li> <li>• Fiery API 5.2</li> <li>• Cloud-enabled Fiery servers</li> <li>• Network status notification improvement</li> <li>• Debian 10 Linux*</li> <li>• <u>Fiery Command WorkStation Notifications</u></li> </ul>
 <b>Secure</b>		 <b>Reliable</b>	
<ul style="list-style-type: none"> <li>• Security updates</li> <li>• Enhanced network security settings</li> <li>• Support customer-supplied Windows 10 operating systems**</li> </ul>		<ul style="list-style-type: none"> <li>• Improved Fiery system software installation workflows**</li> <li>• Fiery auto-recovery improvements</li> <li>• <u>Fiery Health Monitor improvements</u></li> </ul>	

\* Only available on Fiery embedded Linux-based servers

\*\* Only available on Fiery external Windows-based servers

\*\*\* Available as a standard feature on Fiery external Windows-based servers and as an option as part of the Fiery Automation Package on Fiery embedded Linux-based servers.

Underline: client feature available as part of Fiery Command WorkStation 6.6 or 6.7

Note: Features may vary by print engine model. Please refer to the individual product datasheet or feature matrix to find out exactly which features are available.

## Colour & Imaging

### Fiery Preflight Pro

With the brand new Fiery Preflight Pro application, users get the ultimate set of PDF quality control checks to ensure files will print as expected. Fiery Preflight Pro replaces Fiery Preflight as part of the [Fiery Graphic Arts Pro Package](#).

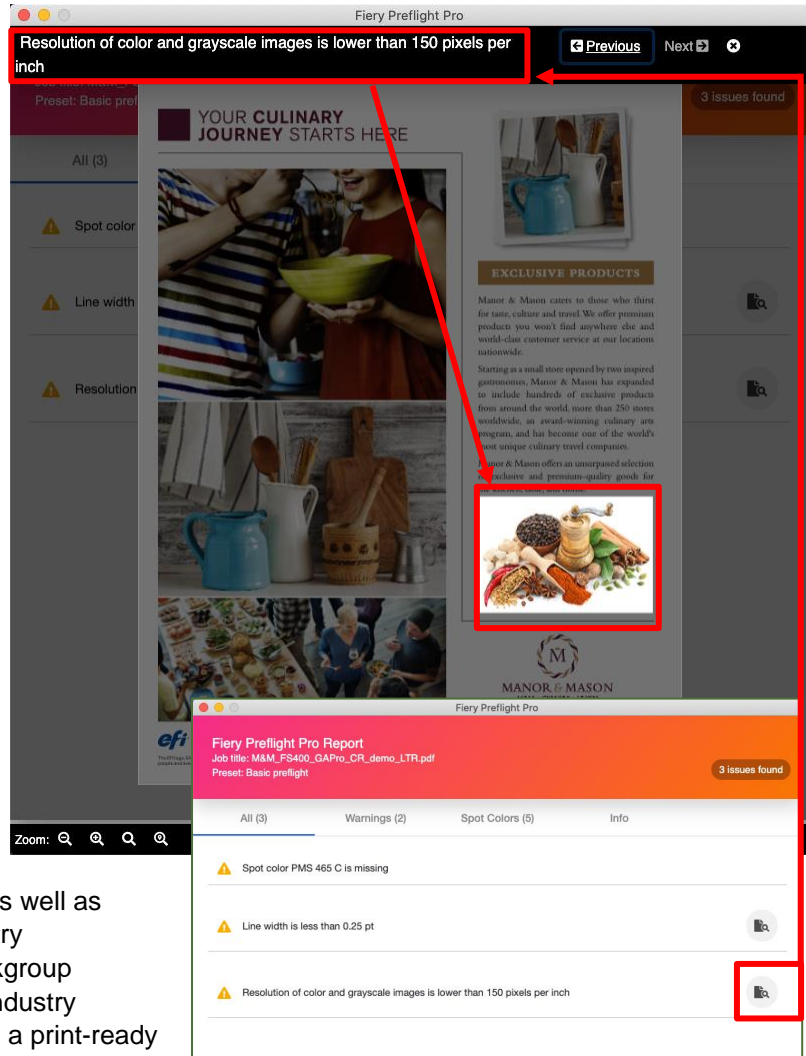
These PDF quality control checks provide more precise methods for troubleshooting the source of print problems that can result in wasted prints and clicks, which impact bottom line profits.

In addition to running basic preflight checks (such as overprints, missing spot colours, low-resolution images, or hairlines), Fiery Preflight Pro can verify file compliance against industry standards such as ISO (PDF/X, PDF/A, PDF/VT, PDF 2.0, and PDF/E), as well as against specifications from industry associations such as Ghent Workgroup (GWG). Compliance with these industry standards ensures that all data in a print-ready PDF is present and valid, and that the file will print correctly.

Any errors and warnings are captured in the Fiery Preflight Pro Report, an application that provides an overview of problematic elements in a PDF. For elements in the PDF that are object-based — such as overprints, missing spot colours, hairlines, or low-resolution images — the interactive Preflight Pro Report will allow users to view the exact location of the error in the PDF.

For example, a file containing transparency can be checked against the PDF/X-4 profile in Preflight Pro. This industry standard specifies the proper structure of transparencies within the CMYK, RGB, or L\*a\*b colour spaces. The Preflight Pro Report will highlight any problem transparencies, which can then be fixed in the design file.

Together, Fiery Preflight Pro and [Fiery JobExpert](#) combine to deliver “preflight and set” capabilities. A user can verify that a PDF meets compliance standards, and then automatically configure the right colour and imaging settings for a job. Plus, Fiery Preflight Pro can be automated through [Fiery Hot Folders](#) or Fiery [JobFlow Base/JobFlow](#) for touchless, automatic compliance checks.



*The interactive Fiery Preflight Pro Report provides a visual overview of compliance errors in a PDF file. Users can see exactly where object-based errors or warnings, such as the example above, occur in the file.*

**Benefits:**

- Reduces wasted materials and clicks by ensuring files will print successfully before production begins
- Ensures conformance to industry standards
- With Fiery JobExpert, delivers a complete solution for ensuring files are print-ready and with automatic selection of optimal print settings

**Availability:**

Cutsheet external servers	Requires Fiery Graphic Arts Pro Package
Cutsheet embedded servers	Not available

**Server or client feature:** server

**Fiery Preflight as a standard feature**

Fiery FS500 Pro external colour servers include Fiery Preflight as a new standard feature. It remains an optional feature for Fiery FS500 embedded servers.

Fiery Preflight provides basic preflight checks for problems in a file, such as:

- Missing elements like spot colours, VDP resources, or fonts
- Potential errors like low-resolution images or overprint

You can configure Fiery Preflight to match your custom error-checking requirements. Automate basic preflight checks through [Fiery Hot Folders](#); or you can integrate Fiery Preflight with [JobFlow Base/JobFlow](#) for a touchless, fully automated job inspection workflow.

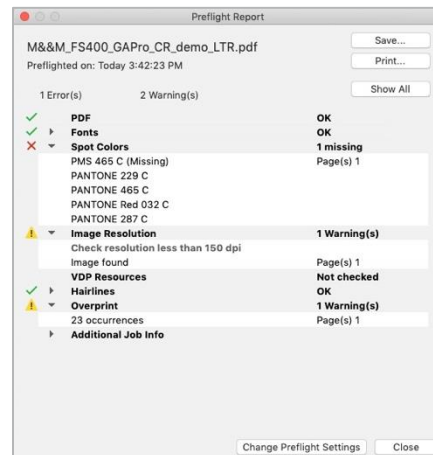
**Benefits:**

- Make every click count by catching potential file errors before printing a job

**Availability:**

Cutsheet external servers	Standard for colour servers only
Cutsheet embedded servers	Requires Fiery Automation Package

**Server or client feature:** server



*The Fiery Preflight report identifies potential problems in a file*

### Comparison: Fiery Preflight Pro vs Fiery Preflight

Feature/check	Fiery Preflight Pro	Fiery Preflight
Compatible file types	PDF, PDF/VT	PDF, PDF/VT, Postscript, PPML, VIPP, VPS
Conformance to industry standards, like PDF/X, PDF 2.0, or GWG	Yes	No
Visual illustration of object-based errors	Yes	No
Low-resolution images	Yes	Yes
Overprint	Yes	Yes
Missing spot colours	Yes	Yes
Missing fonts	Yes	Yes
Availability	External colour servers: requires Fiery Graphic Arts Pro Package Embedded servers: not available	External colour servers: standard Embedded servers: requires Fiery Automation Package

### Adobe PDF Print Engine 5.5

Fiery FS500 Pro servers include version 5.5 of the Adobe PDF Print Engine interpreter. Version 5.5 includes support for the following features:

- Supports PDF 2.0 standard
- Fine Line Rendering, which produces a lighter, cleaner appearance of very fine lines, as well as small point size text that has been outlined



For more information about Adobe PDF Print Engine, visit this [web page](#).

#### Benefits:

- PDF 2.0 ready (view the [white paper](#) for more information)

#### Availability:

Cutsheet external servers	Standard
Cutsheet embedded servers	Requires Fiery JobExpert and PDF Processing Kit

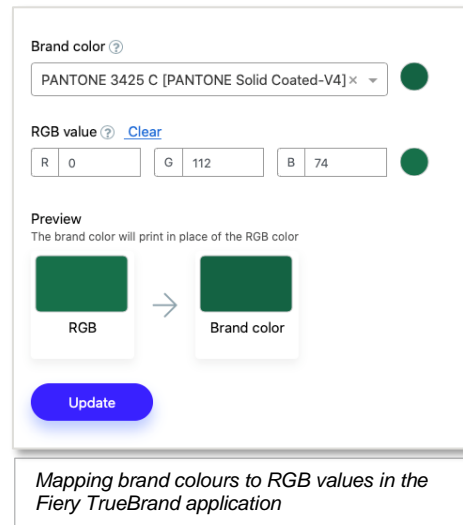
**Server or client feature:** server



### Fiery TrueBrand

A common pain point in non-professional print environments is to print accurate brand colours from RGB-only applications such as Microsoft Word or PowerPoint.

With the new Fiery TrueBrand™ application, it's easy for anyone to map RGB values to named spot colours. Easily accessible from the Fiery driver, the Fiery TrueBrand application walks users through the steps to first select the desired named colour, and then the corresponding RGB values. And, once these values are set on the Fiery server, the RGB combination used in RGB-only applications will automatically map to the desired named colour for future prints. Users are just a few clicks away from producing presentations, brochures, and other office documents with accurate brand colours.



Fiery TrueBrand is perfect for companies like agencies or professional services firms (such as engineering, architects, or construction), and any other office environment that prints for client or in-house use where brand colours must be printed correctly.

**Benefits:**

- Easy way to produce documents with accurate brand colours
- No specialised colour knowledge required

**Availability:**

Cutsheet external servers	Check Fiery server materials to confirm support
Cutsheet embedded servers	Check Fiery server materials to confirm support

**Server or client feature:** server

### Native EFI ES-3000 support

Fiery FS500 Pro servers natively support the EFI ES-3000 measurement instrument. Users can choose the ES-3000 from Fiery Command WorkStation 6.6 and above for use with Fiery Calibrator, Fiery Measure, Fiery Verify, Fiery Spot Pro, Fiery Spot-On™, EFI ColorGuard™, plus the paper simulation features within Fiery Command WorkStation.



**Benefits:**

- Provides full support for the latest spectrophotometer technology

**Availability:**

Cutsheet external servers	Standard
Cutsheet embedded servers	Standard

**Server or client feature:** server

### PANTONE Formula Guide V4 support

Fiery FS500 Pro servers have the PANTONE® Formula Guide Solid Coated V4 and the PANTONE® Formula Guide Solid Uncoated V4 built-in. The V4 libraries contain the new 294 colours introduced in late 2019.

**Benefits:**

- Provides full support for the latest Pantone colours with no additional downloads required

**Availability:**

Cutsheet external servers	Standard
Cutsheet embedded servers	Standard



**Server or client feature:** server

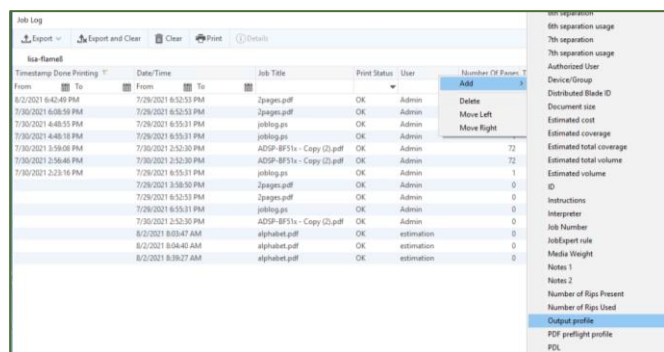
*Note: PANTONE libraries can also be downloaded by users with previous Fiery software versions*

### Colour profile use tracking

The Fiery Job Log reports the output profiles used for each print job. It will display both the front side and back side profiles where they're different, plus any profiles used for mixed media exception pages.

**Benefits:**

- Allows operators to keep a full track of profiles being used
- Makes troubleshooting of colour issues easier
- Assists with colour matching to historically printed jobs
- Profile information is also available in EFI IQ.



*Output profiles are now displayed in the Job Log.*

**Availability:**

Cutsheet external servers	Standard
Cutsheet embedded servers	Standard

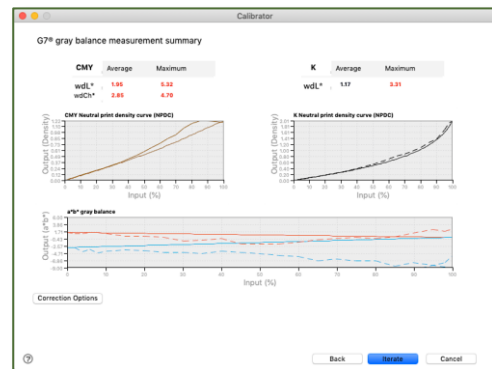
**Server or client feature:** server

### Calibrator enhancements

The latest EFI calibration technology is the default calibration tool for Fiery FS500 Pro servers.

**Benefits:**

- Faster calibration with direct access to G7 Grayscale calibrations from within Fiery Command WorkStation\* for greater convenience
- Allows the switching of measurement modes per instrument for more accurate results
- Uses EFI Fiery Measure technology which allows the dynamic addition of new instruments and workflows to keep print rooms current



Fiery Calibrator

\* Requires a licensed version of Fiery Color Profiler Suite to be on the same computer as Fiery Command WorkStation

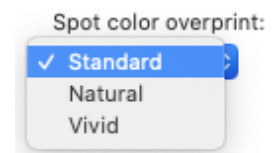
**Availability:**

Cutsheet external servers	Standard for colour servers only
Cutsheet embedded servers	Standard for colour servers only

**Server or client feature:** server

### Spot colour overprint

Users may have situations where a design blends two spot colours together or blends a spot colour with process colours. These scenarios are common in packaging applications. New spot colour overprint options give users a choice about how to define the appearance of blended spot colours to best match the designer's intent, and without having to modify the source document.



New spot colour overprint options in Job Properties

Here are some examples of the different spot colour overprint settings.

<p><b>Standard</b> Blends colours in a CMYK space. This is the only available spot colour overprint setting on non-FS500 Pro/FS500 servers.</p>	<p><b>Vivid</b> New for Fiery FS500 Pro/FS500 servers. Blends colours in an L*a*b space. This setting may deliver more image and shadow detail.</p>	<p><b>Natural</b> New for Fiery FS500 Pro/FS500 servers. Blends colours in an RGB space. This setting is most comparable to how Adobe Photoshop shows RGB rendering.</p>

**Benefits:**

- Gives users options to modify the appearance of blended colours to best satisfy design expectations
- Overprint settings can be changed at the DFE: no need to modify the source file and interrupt production

**Availability:**

Cutsheet external servers	Standard
Cutsheet embedded servers	Standard (Composite Overprint must be enabled)

**Server or client feature:** server

**Raster Curve Editor**

Operators can perform late-stage colour edits on jobs with Raster Curve Editor\* directly from Job Properties. No additional license is required for this capability.

Users can adjust individual colour channels, as well as all channels at once. Make curve edits simply by dragging control points, or by editing curve table data numerically in increments as small as 1%.

Custom curves can be saved as presets and applied to future jobs and are synchronized with Fiery ImageViewer presets.

Fiery ImageViewer is available as part of the paid Fiery Graphic Arts Packages ([Fiery Graphic Arts Pro Package](#), and [Fiery ColorRight Package](#)). It provides much more extensive colour and image adjustment capabilities, such as a fast, pixel-level preview, the ability to adjust colour within a specific region of a page, and the ability to perform colour replacements.

**Benefits:**

- Quick way to perform simple, late-stage curve edits right in Job Properties

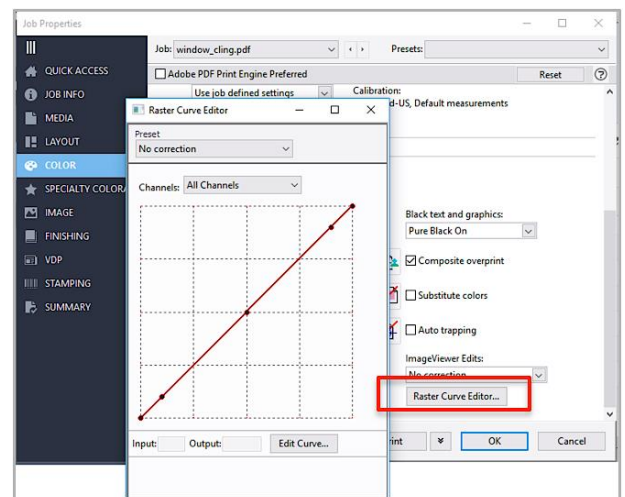
**Additional resources:**

- Watch the [video](#)

**Availability:**

Cutsheet external servers	Standard
Cutsheet embedded servers	Standard (not available for Fiery A20 server platforms)

**Server or client feature:** client (Fiery Command WorkStation 6.6)



Raster Curve Editor available in Job Properties

## Fiery Spot Pro enhancements

### Usability improvements

Color accuracy (whether a colour is in or out of a printer's gamut) is now separate from the dE column. This allows users to see the gamut status of a specific colour more quickly.

Name	Color Accuracy ( $\Delta E_{00}$ )	$\Delta E$	Separation
PANTONE 32...	In gamut	2.78	Cyan 31.4
PANTONE 43...	In gamut	0.42	66.3
PANTONE 46...	In gamut	2.21	9.0
PANTONE 58...	In gamut	0.98	20.0
PANTONE Yel...	Out of gamut	5.76	0.0

The new color accuracy column

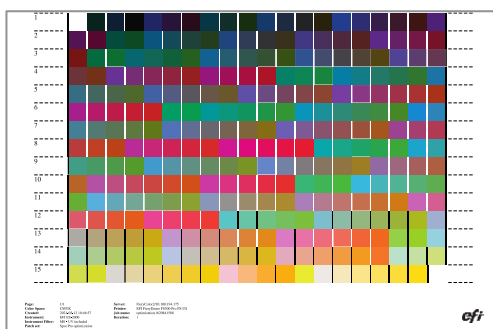
### Optimise all colors

It's now easy to optimise any set of spot colours for a specific profile, using a subset of swatches. For example, now users can choose to optimise one or more spot colour groups, or all spot colours, in just one step. This saves time and makes it easier to ensure that spot colours are optimised for a desired profile and media.

The screenshot shows the 'Spot Pro - FieryColor2' application. A dialog box titled 'Optimization settings' is open, with 'All spot colors' selected. Below the dialog, a list of spot colors is displayed with their respective gamut status (In gamut or Out of gamut) and  $\Delta E$  values.

Name	Gamut Status	$\Delta E$
PANTONE Dark Blue C	Out of gamut	8.61
PANTONE Yellow 0331 C	In gamut	1.68
PANTONE Red 0331 C	In gamut	3.37
PANTONE Magenta 0...	In gamut	3.66
PANTONE Violet 0631 C	Out of gamut	5.57
PANTONE Blue 0821 C	In gamut	2.83
PANTONE Green 0921 C	Out of gamut	6.18
PANTONE Black 0961 C	In gamut	0.90
PANTONE 801 C	In gamut	1.32
PANTONE 802 C	Out of gamut	8.96
PANTONE 803 C	Out of gamut	6.19
PANTONE 804 C	Out of gamut	12.03
PANTONE 805 C	Out of gamut	11.49
PANTONE 806 C	Out of gamut	7.92
PANTONE 807 C	Out of gamut	8.87
PANTONE 871 C	In gamut	0.61
PANTONE 872 C	In gamut	0.41

New options in Fiery Spot Pro enable optimization for more colours



Optimisation chart

### Spot color optimisation report improvements

The new, expanded Spot Pro spot colour optimisation report provides additional detail, both about individual colours and at the group level.

New details include:

- Average and maximum estimated delta E (dE) values across the group of optimised spot colours
- Percentage of colours that fall within 1, 2, or 3 dE

The report shows the following summary statistics:

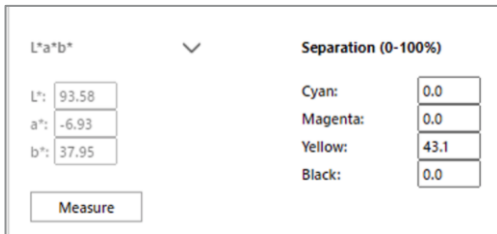
- Average  $\Delta E_{00}$ : 7.81
- Maximum  $\Delta E_{00}$ : 26.26 (PANTONE 804 C)
- $\Delta E_{00} < 1.0$ : 0.3%
- $\Delta E_{00} < 2.0$ : 1.7%
- $\Delta E_{00} > 2.0$ : 98.2%

Color	Name	L*	a*	b*	Optimized L*	Optimized a*	Optimized b*	Separation Cyan	Separation Magenta	Separation Yellow	Separation Black	$\Delta E_{00}$
PANTONE Yellow ...	PANTONE Yellow ...	87.55	2.38	109.05	90.06	-10.49	86.47	0.0	0.4	99.6	0.0	8.30
PANTONE Bright ...	PANTONE Bright ...	57.47	72.50	61.67	55.85	34.89	35.41	0.0	94.9	96.1	0.0	5.44
PANTONE Pink C	PANTONE Pink C	51.00	72.69	-19.81	57.39	61.92	-5.98	0.0	88.6	0.4	0.0	7.55
PANTONE Medium ...	PANTONE Medium ...	20.89	50.17	-59.27	28.82	28.24	-40.67	92.2	96.1	0.0	0.0	9.49
PANTONE Dark Bl...	PANTONE Dark Bl...	20.84	29.17	-68.50	31.46	8.74	-42.40	99.6	78.8	1.2	7.8	10.05
PANTONE Yellow ...	PANTONE Yellow ...	92.58	-6.93	27.95	91.54	8.82	42.00	0.0	0.0	50.2	0.0	2.11
PANTONE Red 033...	PANTONE Red 033...	79.52	31.28	6.02	83.42	15.07	0.57	0.0	20.4	7.1	0.0	9.42
PANTONE Magenta...	PANTONE Magenta...	79.90	29.19	-11.22	85.29	10.40	-5.91	2.7	14.5	0.0	0.0	11.67
PANTONE Violet ...	PANTONE Violet ...	69.43	23.80	-28.71	75.98	18.81	-30.45	8.6	31.0	0.0	0.0	11.09
PANTONE Blue 08...	PANTONE Blue 08...	78.27	-24.01	-22.57	78.41	-20.39	-5.82	38.4	0.0	0.0	0.0	9.84
PANTONE Green 0...	PANTONE Green 0...	86.12	-27.04	-1.19	85.04	-11.61	-3.70	18.8	0.0	10.2	0.0	9.87
PANTONE Black 0...	PANTONE Black 0...	62.84	1.66	5.65	63.45	3.89	9.97	36.5	42.0	47.1	0.0	3.97
PANTONE 801 C	PANTONE 801 C	55.42	-17.51	-48.25	57.45	-36.80	-29.45	98.0	0.0	7.8	1.2	2.27
PANTONE 802 C	PANTONE 802 C	75.30	-43.83	63.34	72.91	-35.49	53.97	49.0	0.0	82.5	0.0	8.77
PANTONE 805 C	PANTONE 805 C	60.36	0.36	60.46	60.35	-10.63	64.66	0.0	0.0	86.6	0.0	6.68

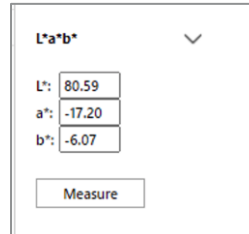
View more details about optimised spot colours

- A breakdown of L\*a\*b values, optimised L\*a\*b values, and dE values, for each optimised colour

L\*a\*b editing controls are now also easier. Now, there's a single L\*a\*b value to edit for custom colours. And for colors in default libraries, L\*a\*b values are locked and not editable (though they can be edited if the colour is copied to a new group).



Locked L\*a\*b values for colours in default libraries



Single set of L\*a\*b values for custom colours

[Watch the video](#) to learn more

**Benefits:**

- Easier to ensure that spot colours are optimised for a desired profile and media
- Quickly see more detail about spot colour optimisations
- Know at-a-glance if a spot colour is in gamut

**Availability:**

Cutsheet external servers	Requires Fiery Graphic Arts Pro Package
Cutsheet embedded servers	Requires Fiery ColorRight Package

**Server or client feature:** client (Fiery Command WorkStation 6.7)

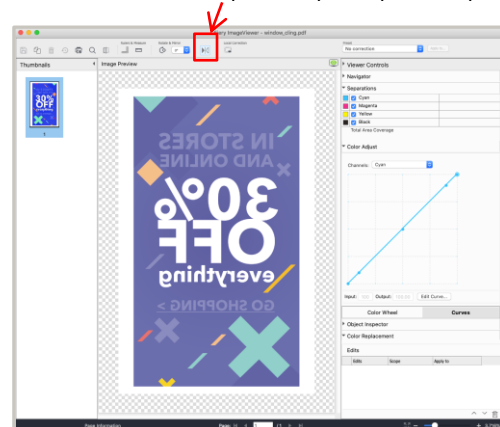
**Fiery ImageViewer enhancements**

The following new features in Fiery ImageViewer help improve the user experience for previewing raster files and making color adjustments.

**Mirror preview**

See a more accurate raster preview of jobs that output as a mirror image of the original file, such as window clings, t-shirt transfers, or backlit graphics. Mirror preview is also useful for specialty colour applications where white toner is printed on top of CMYK. Note that the mirror preview does not actually change the layout of the job, it is simply a preview.

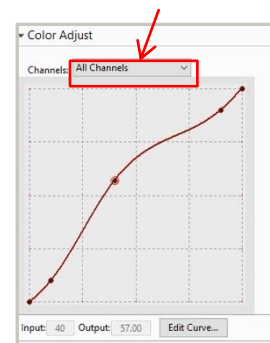
The mirror preview option flips the output



### Global curve adjust

Provides an easier way to make curve adjustments across all separations. For example, use global curve adjust to make midtone, shadow, or highlight curve adjustments.

Adjust all curves together

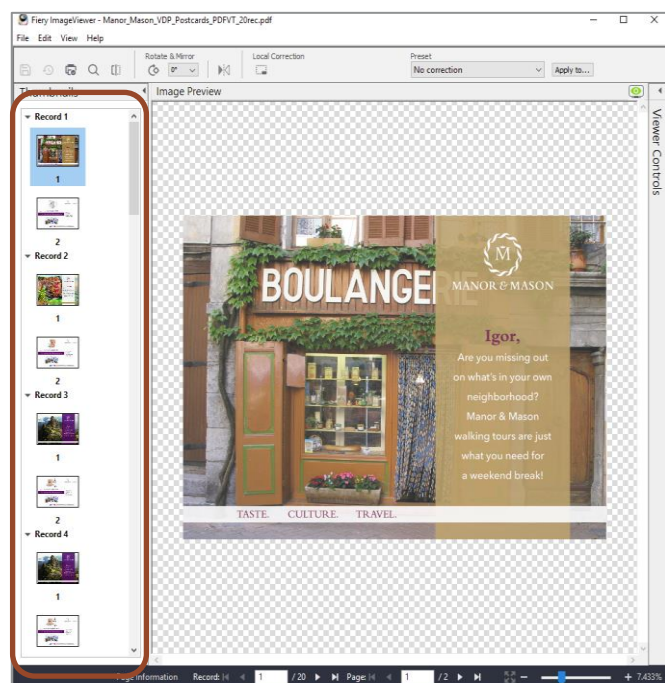


### Page-level controls in ImageViewer

With the integration of Raster Preview controls in ImageViewer, users now have a single interface for adjusting colour and performing simple page-level edits in RIPped files. This greatly improves efficiency and usability.

New functions in ImageViewer include:

- Reorder pages in thumbnail view
- Display thumbnails as sheet surfaces
- Delete pages
- Duplicate pages
- Select all pages
- Move pages between documents (cut/copy/paste, drag and drop)
- Preview VDP jobs as record sets (however, reorder/delete/duplicate page functions are not available)



Page-level controls for a VDP job. Record sets are visible.

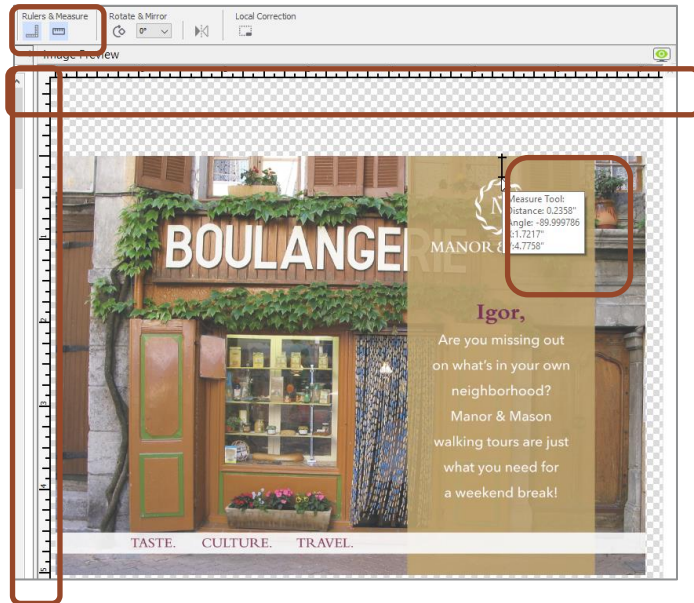
Users with a license for [Fiery Graphic Arts Pro Package](#) or [Fiery ColorRight Package](#) can access this unified interface by right-clicking on a job and selecting either Preview or ImageViewer.

[Watch the video](#) to learn more.

**Measure tool and ruler**

ImageViewer now provides an option to show a ruler on the X and Y axis of the Image Preview pane. Users can configure the ruler to show different units.

A new measure tool allows users to measure the distance between two specific points on the page.



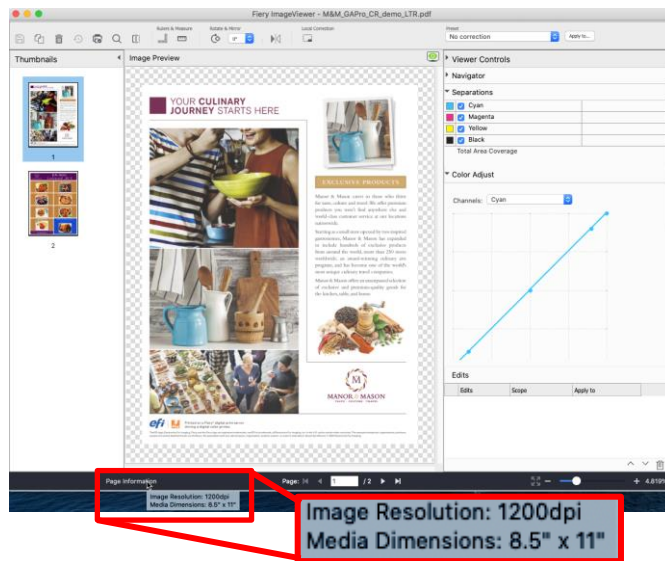
*New measure tool and ruler capabilities in Fieri ImageViewer*

**Show document and substrate sizes**

Hovering over the Page Information pane at the bottom of the Fieri ImageViewer window now shows page and substrate (Media) sizes for cutsheet Fieri servers.

**Benefits:**

- See a more accurate preview of jobs that output as a mirror image
- Get an easy way to make curve adjustments across all separations
- Improve efficiency with a single interface to make page-level edits
- At-a-glance view of important page/media attributes



*See page and media sizes at the bottom of the Fieri ImageViewer window*

**Availability:**

Cutsheet external servers	Requires Fieri Graphic Arts Pro Package
Cutsheet embedded servers	Requires Fieri ColorRight Package

**Server or client feature:** client (Fieri Command WorkStation 6.6 and 6.7)



## Productivity

### Improved performance and user experience

Fiery FS500 Pro servers support the latest Fiery NX Series hardware platforms with hybrid disk storage configurations for Windows-based servers. Now, an SSD is used for the Fiery software and operating system, and an HDD is used for data.

Integrating this new hardware architecture with Fiery software provides faster boot times (Power ON to Idle). It also improves application responsiveness and user experience when running applications on the Fiery server or connecting to a Fiery server in Fiery Command WorkStation running on a client computer.



### Faster user experience

Fiery FS500 Pro operators using Fiery Command WorkStation on a Fiery NX Station will experience up to **3 times faster application launch times** while the Fiery server is simultaneously spooling, RIPping and printing jobs. The quicker launch times deliver a better user experience when working with applications directly on the Fiery server. Users running Fiery Command WorkStation on their Windows or macOS computers will also experience **up to 40% faster launch times** when opening common applications such as Job Properties, Paper Catalog, Preview, Impose, and ImageViewer among others.

In addition, Fiery FS500 Pro servers running on the latest NX Series hardware platforms **boot up 2-3 times faster** when compared to previous generations. Faster boot time helps improve serviceability and faster user experience.

### Faster processing performance on complex files

The combination of the latest Fiery NX hardware and processing improvements in the Fiery FS500 Pro software results in **significantly improved performance in all stages of processing and printing**. Improvements are especially noticeable in read-intensive workflows when the Fiery server simultaneously spools, RIPs, and prints files.

For example, a 100-page tabloid/A3 sized photobook (800 MB) **processes 36% faster** on a Fiery FS500 Pro server on the latest NX Pro hardware compared to a Fiery FS400 Pro server on the existing NX Pro hardware.



These processing improvements help users keep print engines running at rated speeds on large graphic-intensive files. So providers can meet their tight turnaround times and get more jobs produced for customers.

### Benefits:

- More productive and efficient user experience when working with applications directly on the Fiery server
- Faster boot times allow users to get back in production sooner
- Increased productivity helps meet turnaround times and get more work produced faster

### Availability:

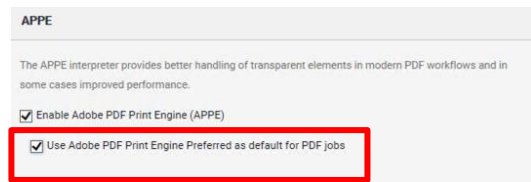
Cutsheet external servers	Standard
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Cutsheet embedded servers	Not available
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**Server or client feature:** server

**PDF Print Engine as default interpreter**

Fiery FS500 Pro external servers ship with Adobe PDF Print Engine configured as the default interpreter for PDF jobs. PDF Print Engine enables direct PDF RIPping without conversion to PostScript, avoiding potential errors for PDF files. By combining Adobe interpreter technology with a proprietary EFI software rendering engine, the Fiery server with PDF Print Engine produces reliable reproductions of the original PDF, ensuring that the final printed product matches designer and customer expectations.



As more print service providers implement native end-to-end PDF workflows, setting PDF Print Engine as the default interpreter saves time and provides more efficient production. This also enables more efficient setting of Job Properties using Fiery JobExpert, which works exclusively with the PDF Print Engine interpreter.

Native processing of files through PDF Print Engine saves time by eliminating the need to convert or flatten content before submitting the job to the Fiery server. Using PDF Print Engine allows makeready files (prepared using Fiery Impose, Compose or JobMaster) to be processed using Fiery HyperRIP (applicable servers only). It also results in the most accurate processing of PDFs with mixed color spaces and transparencies, in addition to supporting PDF 2.0 features such as page-based rendering intent and object-based black point compensation.

**Benefits:**

- Produces better, more accurate output
- Remain in a native PDF workflow without the need to convert or flatten files
- Using PDF Print Engine leverages the processing power of HyperRIP for Fiery Impose, Compose, or JobMaster files (applicable servers only)
- Compatible with PDF 2.0 industry standard
- Increases efficiency for PDF-based workflows

**Availability:**

Cutsheet external servers	Standard
Cutsheet embedded servers	Not enabled by default. PDF Print Engine is included with optional Fiery JobExpert and PDF Processing Kit.

**Server or client feature:** server

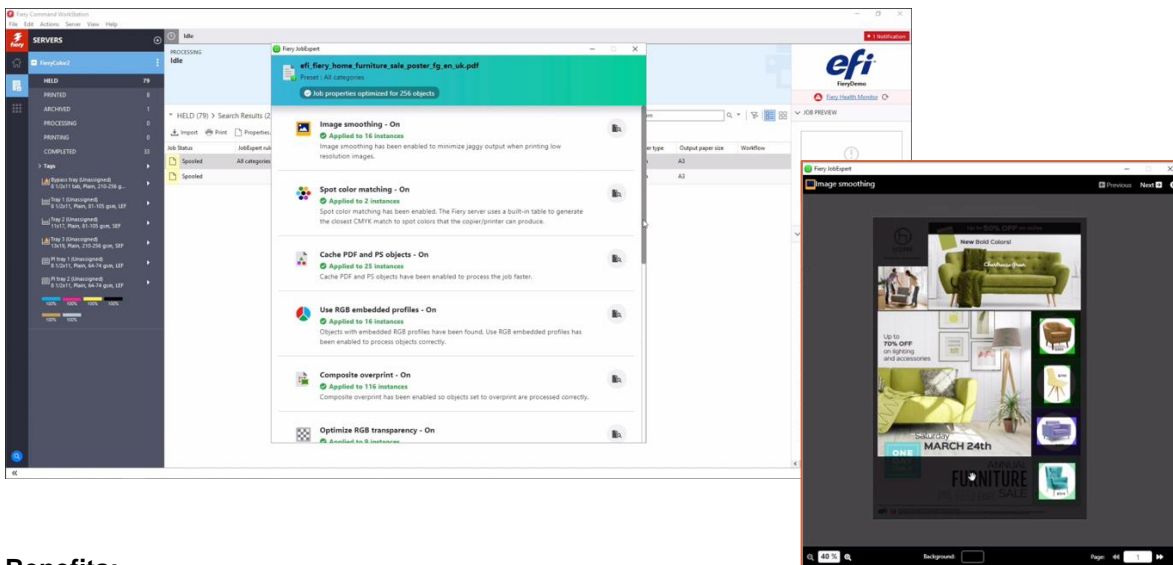
**Fiery JobExpert enhancements**

Fiery JobExpert analyses incoming PDF files and dynamically chooses the optimal print settings to achieve the highest quality, while optimising production time. After applying JobExpert to a job, operators can use the visual JobExpert Report to see a summary and explanation of the settings applied for the job. The preview functionality can be used to find the elements that required specific

settings to be enabled by JobExpert. If makeready functions (prepared using Fiery Impose, Compose, or JobMaster) are performed prior to printing, then the job will retain all JobExpert settings when processed through Adobe PDF Print Engine.

Fiery JobExpert is now available for FS500 embedded Linux-based servers with the optional Fiery JobExpert and PDF Processing Kit.

Plus, Fiery JobExpert now supports PDF/VT files. Customers with an end-to-end PDF workflow can now work more efficiently with their VDP files and can be confident they will print correctly with the correct print settings applied automatically.



**Benefits:**

- Visualise elements that require specific settings to be enabled by JobExpert
- Embedded servers can now take advantage of JobExpert to automatically determine the optimal print settings
- Easier way to print PDF/VT files with the optimal print settings

**Availability:**

Cutsheet external servers	Standard
Cutsheet embedded servers	Requires Fiery JobExpert and PDF Processing Kit

**Server or client feature:** server

**Fiery JobExpert and PDF Processing Kit**

The new Fiery JobExpert and PDF Processing Kit for Fiery FS500 embedded servers offers the following benefits:

1. Access to Fiery JobExpert, which automatically sets the optimal Fiery job properties to achieve the highest print quality with the fastest processing time.
2. Native processing of PDF files with Adobe PDF Print Engine

- Enables full support of PDF/VT-1 files. Support for PDF/VT brings the benefits of a PDF workflow to VDP, which helps print providers extend their print offerings and increase production efficiency with capabilities such as late-stage exchange of critical variable content. The system processes PDF/VT files by detecting records defined in the PDF/VT job and caching reusable XObjects, which enables the Fiery server to RIP repeated elements only once, then cache them.



PDF/VT-1 files can be created using VDP authoring tools such as XMPie, FusionPro, or EFI MarketDirect VDP.

**Comparison: PDF/VT support**

VDP format	Fiery FS500 embedded servers	Fiery FS500 Pro external servers
PDF/VT-1	Supported with Fiery JobExpert and PDF Processing Kit	Standard
PDF/VT-2	Not supported	Standard

**Benefits:**

- Ensures consistent, predictable output in an end-to-end Adobe workflow
- Compatible with PDF 2.0 industry standard
- Keeps files in native PDF format when processing to print, eliminating possible PostScript conversion issues
- Automatically sets optimal Fiery job settings, reducing setup time and waste
- Produces the highest output quality: properly prints transparencies and small text, honors embedded profiles, and much more
- Folds seamlessly into existing PDF-based prepress operations, enabling a single common PDF print production workflow for all job types

**Availability:**

Cutsheet external servers	Adobe PDF Print Engine, JobExpert, and PDF/VT-1 support are all standard features
Cutsheet embedded servers	Option Note: this option is not compatible with previous Fiery systems.

**Server or client feature:** server

### Custom imposition for Duplo DC-618 finisher

Operators can use Fiery Impose to easily set up a custom imposition layout including cut, crease, and perforation finishing marks for a job to be finished on a Duplo DC-618 automatic Slitter/Cutter/Creaser.



Duplo DC-618 Slitter/Cutter/Creaser

Fiery Impose can communicate directly with the Duplo DC-618 controller software so that a custom layout with finishing definitions can be verified and stored in the Duplo controller software. When the printed job is fed through the finisher, the Duplo DC-618 will match the printed job with the correct set of finishing instructions. This means that operators can easily create custom layouts with custom finishing settings for new jobs, all from Fiery Impose, and can be confident that jobs with a custom layout will be printed and finished correctly.

This integrated workflow eliminates duplicate setup between the imposition software and the finisher controller software. Operators can apply complex finishing options to custom jobs, free of setup errors and rework.

The imposition process can be further automated for repeated jobs through Fiery Hot Folders or by using Fiery JobFlow Base.

[Watch](#) how easy it is to create a job layout with finishing definitions in Fiery Impose.

#### Benefits:

- Reduce production bottlenecks by eliminating manual processes
- More efficient production workflows
- Visual preview of finishing lines before printing reduces errors

#### Availability:

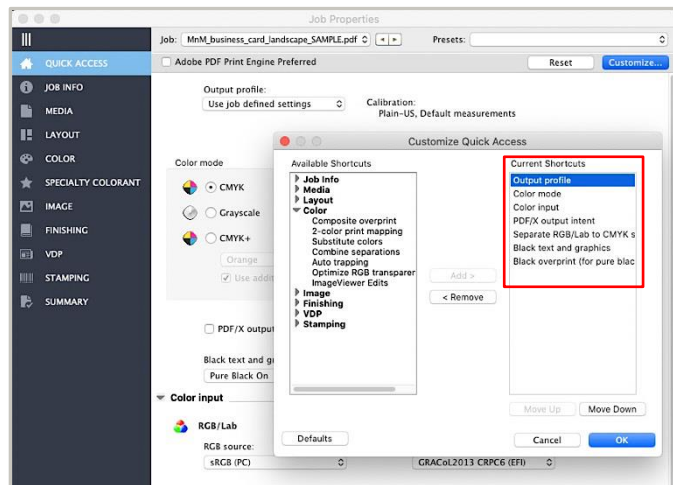
Cutsheet external servers	Requires Fiery Impose
Cutsheet embedded servers	Requires Fiery Impose

**Server or client feature:** client (Fiery Command WorkStation 6.6)

### More colour settings in Quick Access

Users can include additional colour settings to the Quick Access view in Job Properties for faster job set up. This pane can now list the below colour shortcuts:

- Output profile
- Colour mode
- Colour input
  - RGB/Lab settings
  - CMYK settings
  - Grayscale settings
  - Spot colour settings
- Colour settings
  - PDF/X output intent
  - Separate RGB/Lab to CMYK source
  - Black text and graphics
  - Black overprint



Additional colour setting added to the Quick Access pane

#### Benefits:

- Faster job set up

#### Availability:

Cutsheet external servers	Standard
Cutsheet embedded servers	Standard

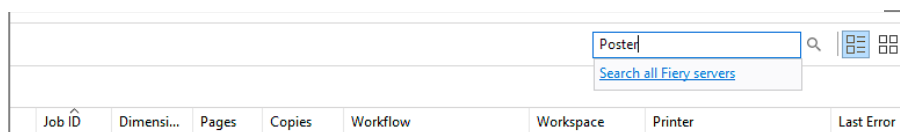
**Server or client feature:** client (Fiery Command WorkStation 6.6)

### Job search across all servers

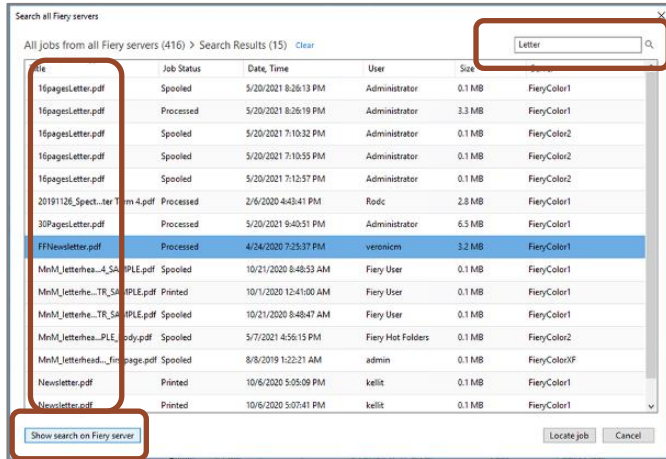
Operators can now more easily locate Fiery print jobs anywhere in a print shop. With Fiery Command WorkStation 6.7, they can search for jobs across all connected Fiery servers. Accessed from the simple search function, jobs can be found based on the following criteria:

- Title
- Job Status
- Date, Time
- User
- Size
- Server

"Search all Fiery servers" selected from the simple search location in Job Center



Users can sort the resulting list by any of the columns in the search window. Double-click a job to exit the search window, and automatically highlight that job on the relevant Fiery server. Choose “Show search results on Fiery server” to go to that search result on the Fiery server the highlighted job is on.



In the search window, users can clear the search box to start a fresh search across all connected servers.

The “Search all Fiery servers” feature could also be used to show all jobs submitted by a particular user, or how many jobs are processed and ready to print across all Fiery servers.

[Watch the video](#) to learn more.

Job search window showing results across multiple connected Fiery servers

**Benefits:**

- Quickly locate a Fiery print job anywhere in a print shop

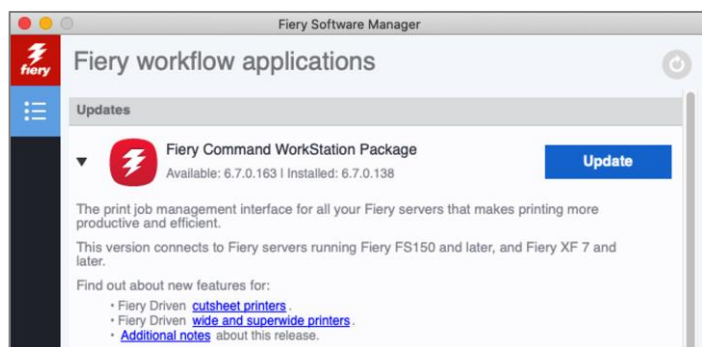
**Availability:**

Cutsheet external servers	Standard
Cutsheet embedded servers	Standard

**Server or client feature:** client (Fiery Command WorkStation 6.7)

**Faster installation of Fiery Command WorkStation Package monthly updates**

Fiery Command WorkStation Package monthly updates now install faster on Microsoft® Windows® platforms on both Fiery servers and client computers. The new “incremental” installers only need to install changed components making monthly updates install faster than before. This allows print production to restart more quickly after updates are performed. Full Command WorkStation installations are now only needed when going up a full version, for example, version 6.6.xxx to version 6.7.xxx.



Fiery Software Manager showing a monthly incremental update

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**Benefits:**

- Monthly updates now install faster, allowing print production to resume more quickly after updates are performed.

**Availability:**

Cutsheet external servers	Standard
Cutsheet embedded servers	Standard

**Server or client feature:** client (Fiery Command WorkStation 6.7)



## Management

### Print time estimation

To assist with job scheduling and print shop planning, Fiery FS500 Pro servers provide a print time estimate when using Fiery Command WorkStation 6.7 and above. Print Time Estimation is available to add as a column in the Job List. Print time estimates are available for RIPPed files based on previously printed jobs. Overall, the average accuracy of print time estimates is over 90%, based on a typical shift.

Job Status	Print Time Est...	Job Title	User	Size	Pages	Copies
Processed	01:30:55	MnM_booklet_posters_LTR_SAMPLE.pdf	miker	354...MB	12	1000
Processed	00:00:02	MnM_booklet_bleed_LTR_SAMPLE.pdf	miker	138...MB	8	1
Processed	00:00:58	estimate-test-arial-black.flp	admin	345...MB	400	1
Processed	00:02:40	efi_fiery_fgs_garden_poster_11x17_fg.pdf	Admin	41.8 MB	2	80
Processed	00:33:20	efi_fiery_home_furnit...sample_poster_fg.pdf	Admin	41.1 MB	2	1000
Processed	00:18:40	efi_fiery_home_furnit...sample_poster_fg.pdf	Admin	41.1 MB	2	560
Processed	00:00:01	optimization1620841441	Fiery User	0.3 MB	1	1
Processed	00:00:01	FGS_catalog_covers_LTR.pdf	Admin	43.0 MB	2	1
Processed	00:07:38	MnM_booklet_LTR_SAMPLE.pdf	Admin	134...MB	8	400
Processed	00:00:02	MnM_business_cards...ape_SAMPLE.pdf.dbp	heatherb	45.1 MB	2	10

#### Benefits:

- Enables better planning and scheduling of print jobs

#### Availability:

Cutsheet external servers	Standard
Cutsheet embedded servers	Standard

**Server or client feature:** server

### Fiery Finishing Designer

The Fiery Finishing Designer is a free, visual programming interface that simplifies creating and editing finishing definitions for inline finishers. Use the interactive WYSIWYG interface accessible from Fiery Command WorkStation, to define the location for cut, crease, and perforation marks for a job before sending it to print on a Fiery Driven™ press.

The Fiery Finishing Designer provides a unique live preview of the job content while programming the finishing variables.

Operators can use this soft proof to verify that the job will be correctly finished without

wasting time and media experimenting with the finishing locations. The finisher's parameters and cutting mode limitations are incorporated into the interface to ensure compatible finisher definitions.



Fiery Finishing Designer showing the finishing lines on the job content

Create a Fiery server preset with the finishing lines and media settings to save time running similar jobs in the future. Further automate the process through Fiery Hot Folders, Virtual Printers, Job Properties, Server Presets, Fiery JobFlow Base, or Fiery JobFlow.

**Benefits:**

- Visually add finishing definitions on the live preview of the print product
- Soft proof an imposed job with finishing lines to prevent waste
- Produce ready-to-ship finished products

**Availability:**

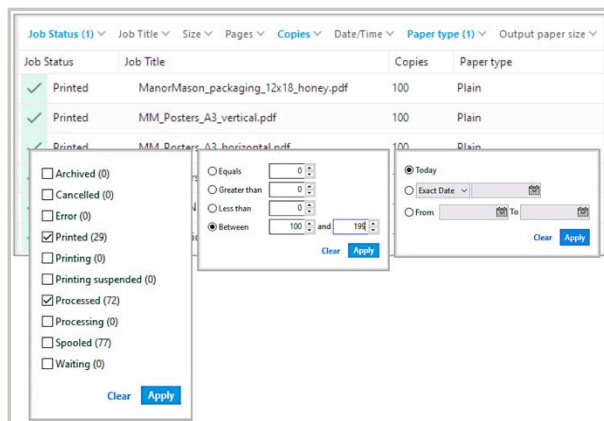
Cutsheet external servers	Check Fiery server feature matrix to confirm support
Cutsheet embedded servers	Check Fiery server feature matrix to confirm support

**Server or client feature:** server

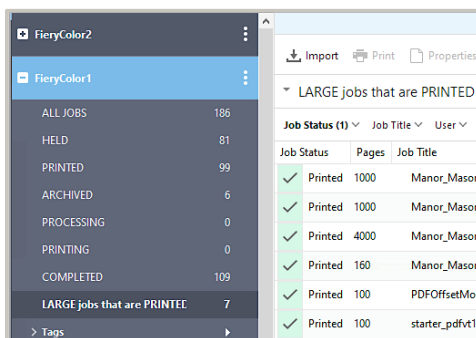
**Advanced search**

Advanced Search is a powerful search functionality that can locate a job or multiple jobs faster than ever before based on advanced search criteria. This enhanced feature allows users to:

- Search for jobs based on any combination of available filters simultaneously
- Choose multiple selections within a filter (where applicable)
- Choose a data range within a filter (where applicable)
- Select a “Today” option within date filters



A search that combines multiple filters, multiple selections within a filter, a “Today” filter, plus a data range filter



An Advanced Search saved as a Custom View on a cutsheet Fiery server

Advanced searching is accessed from a new toolbar at the header of the Job List. All currently displayed job columns can be used as filters. Users can customise which filters are shown in the toolbar, and their order in the toolbar, using the More dropdown to help maintain an uncluttered Job Center. The Clear function can be used to reset all applied filters back to the default for the active view.

A new ALL JOBS view displays all jobs for that server regardless of the job status.

Once filtered, the resulting custom job list can be saved from the ALL JOBS view as a Custom View that's selectable from the Server pane or the Views dropdown.

This enhanced Advanced Search functionality supersedes and replaces the Advanced Search functionality from previous versions of Fiery Command WorkStation.

**Benefit:**

- Increases productivity by locating a job or multiple jobs faster than ever

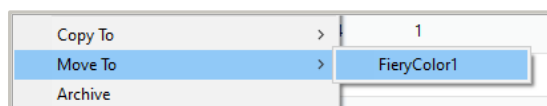
**Availability:**

Cutsheet external servers	Standard
Cutsheet embedded servers	Standard

**Server or client feature:** client (Fiery Command WorkStation 6.6)

**Move to/Copy to**

Users can move jobs from one server to another using the Move To function. Jobs can be copied to another Fiery server with the Copy To function.



*Moving a job or jobs to another Fiery server*

During the copy or move, a status bar at the bottom left in Job Center shows the progress of the task. With both functions, jobs arrive at the destination server with a Spooled status.

**Benefit:**

- Delivers a more efficient way to manage jobs across multiple Fiery servers

**Availability:**

Cutsheet external servers	Standard
Cutsheet embedded servers	Standard

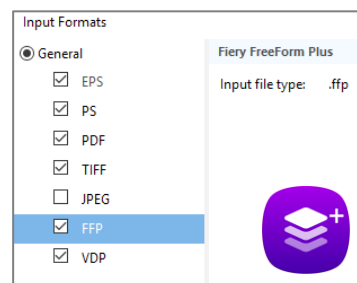
**Server or client feature:** client (Fiery Command WorkStation 6.6)

**Fiery Hot Folders support for Fiery FreeForm Plus files**

Customers with FS500 Pro/FS500 servers, using Fiery FreeForm Create, generate [Fiery FreeForm Plus](#) files. Now they can submit those files directly to the Fiery server from FreeForm Create or save them as a standalone file package (.ffp).

They can also now use the standalone .ffp packages with Fiery Hot Folders to automate FreeForm Create job submission to the Fiery server. This makes applying attributes like Server Presets or imposition templates fast and efficient.

[Watch the video](#) to learn more.



*Fiery FreeForm Plus (.ffp) file format available in Fiery Hot Folders*

**Benefit:**

- A more efficient way to submit Fiery FreeForm Plus jobs to the Fiery server with the correct attributes configured

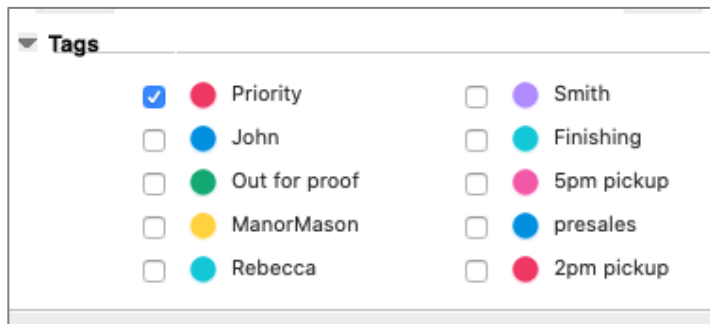
**Availability:**

Cutsheet external servers	Standard
Cutsheet embedded servers	Requires Hot Folders/Virtual Printers

**Server or client feature:** client (Fiery Command WorkStation 6.7)

**Job Tags enhancements**

The assignment of tags to jobs can now be automated. Tags can now be applied to jobs within the Job Properties dialog box, and therefore saved as part of a Server Preset. Selecting a Server Preset with tags included as part of a Fiery Hot Folder, Virtual Printer, or within Fiery JobFlow, and when importing jobs, means that jobs will arrive at a Fiery server with a tag or tags automatically applied. Tags “connect” Fiery print jobs to non-Fiery parts of production, processes, people, customers, etc. or any other custom attribute useful to a job’s journey through production.



Tags applied to a job in Job Properties

Tag information is now visible in a dedicated column within the Job List. Once a user adds the column, they can sort the list in ascending or descending alphanumeric order. Where multiple tags are assigned to a job, they are displayed and listed in the order they were applied to a job.

[Watch the video](#) to learn more.

**Benefit:**

- Work more efficiently with automatic assignment of job tags

**Availability:**

Cutsheet external servers	Standard
Cutsheet embedded servers	Standard

Tags	User
Priority Bindery	heatherb
Priority	Admin
Linda	admin
John Priority	Admin
John Linda	Admin
John	Admin
John	Admin

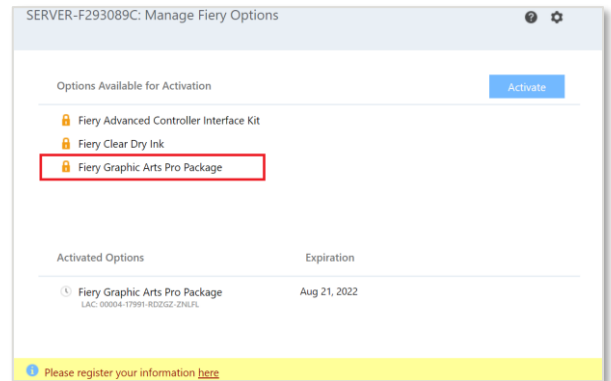
Tags column added to the Job List

**Server or client feature:** client (Fiery Command WorkStation 6.7)

### Easier to manage licenses

With Fiery FS400 Pro, EFI introduced a new license structure for term-based licenses. Term-based licenses provide more flexibility for users. Customers can choose to add a 3-, 4- or 5-year term license to span the duration of the equipment lease. Or, they can minimise their short-term investment with a 1- or 2-year term.

Now, the term-based licensing structure has been improved so that users can activate a new license while an existing license is still active. For example, a user has a 1-year Fiery Graphic Arts Pro Package license that is set to expire in 30 days. They want to keep using Fiery Graphic Arts Pro Package, so they purchase a new, 4-year term license from their Fiery dealer. They can now activate that license immediately upon receipt, and the two licenses will flow seamlessly together without interruption and without losing any days from the first license.



Activate a new server-based license while an existing license is still active

**Benefit:**

- Ensure uninterrupted use of term-based Fiery software options

**Availability:**

Cutsheet external servers	Standard
Cutsheet embedded servers	Standard

**Server or client feature:** server

## Connection

### New Fiery default landing pages

For easy access to Fiery expert knowledge and resources, Windows-based Fiery FS500 Pro servers will open to two new default tabs in Internet Explorer.



New default tabs: EFI Communities and Fiery Online Resources

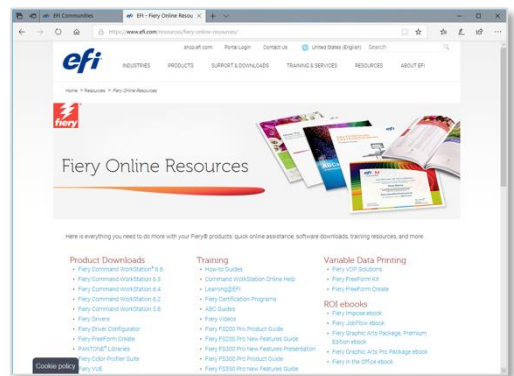
[EFI Communities](#) provides Fiery users with a place to find solutions, share ideas, and discuss EFI products with our global community of experts. It includes the following features:

- A searchable knowledge base of technical articles created by the Fiery Technical Support team for solutions to common or known issues.
- The ability to “follow” topics that interest you, or on specific areas of focus
- A personalised “feed” which is created dynamically based on your previous activities on the site
- The ability to select the “best” answer from multiple solutions
- Mobile-friendly design

[Fiery Online Resources](#) is a one-stop-shop for everything needed to do more with Fiery products: quick online assistance, software downloads and free trials, ROI calculators, training resources, and much more.

**Benefit:**

- Delivers faster, more convenient access to Fiery knowledge and available online resources



**Availability:**

Cutsheet external servers	Standard
Cutsheet embedded servers	Not available

*Note: website access is available to all Fiery users. The default tabs are only standard on the browsers installed on Windows-based external Fiery FS500 Pro servers*

**Server or client feature:** server

### Security audit log

To help their organisations with compliance requirements, Fiery administrators can collect Fiery system software events with security and operational relevance. These events are automatically saved to the Fiery security audit log. The security audit log, enabled by default, allows the administrator to monitor product behavior and proactively address security-related issues. Each security event is classified as Information, Warning, or Error to assist administrators to assess the event relevance.

Logs are provided in industry-standard formats and integrate with third-party Security Information and Event Management (SIEM) solutions.

For Windows-based external Fiery FS500 Pro servers, administrators can read security logs using Windows EventViewer. For Linux-based embedded Fiery FS500 servers, security logs are in Syslog format and can be routed to a remote server if needed.

**Benefits:**

- Enables compliance with customer security requirements and industry regulations.
- Allows Fiery administrators to monitor product behaviour and proactively address security-related issues

**Availability:**

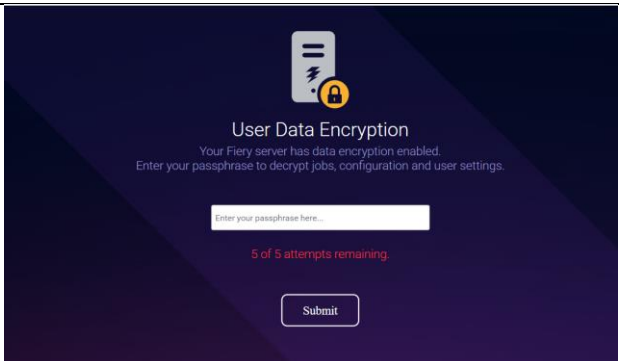
Cutsheet external servers	Standard
Cutsheet embedded servers	Standard

**Server or client feature:** server

### Fiery QuickTouch improvements

Fiery FS500 Pro external servers gain several new features in Fiery QuickTouch, the software that runs on the seven-inch color touch screen display. Users will see new and improved status notification messages across multiple modules.

New functionality for Fiery QuickTouch includes:

Benefit	Description	Screenshot
Convenient access and added security	Fiery administrators and Fiery service technicians can now interact with the Fiery User Data Encryption feature directly on the QuickTouch display panel. Users can type the encryption passphrase to unlock the Fiery server directly on the display.	

New functionality for Fiery QuickTouch (continued):

Benefit	Description	Screenshot
<p>Easier Fiery server troubleshooting</p>	<p>Users can access Fiery Recovery Mode options on the display if the Fiery server is unable to auto recover.</p>	
<p>Simplify routine maintenance workflows</p>	<p>Fiery administrators can now schedule monthly, weekly, or daily backups directly from the panel.</p>	
<p>Localized QuickTouch troubleshooting</p>	<p>New <i>Restart display</i> option allows Fiery administrators to reset Fiery QuickTouch independent of the Fiery server. This is helpful for situations where Fiery QuickTouch is unable to communicate with the server. The Fiery server remains Idle or in the same state it was when Fiery QuickTouch was restarted. After restart, Fiery QuickTouch will re-establish communication with the Fiery server.</p>	



New functionality for Fiery QuickTouch (continued):

Benefit	Description	Screenshot
<p>More independent operation from Fiery server</p>	<p>Fiery QuickTouch will no longer automatically restart during Fiery server reboot and vice-versa. When the Fiery server reboots, Fiery QuickTouch doesn't restart but shows the paper-drop animation instead.</p>	
<p>More intuitive updates and alerts</p>	<p>Firmware updates to the display module running Fiery QuickTouch software now appear on two additional end-user touch points: Fiery WebTools and Fiery Command WorkStation. These messages are provided to prevent users from rebooting or shutting down the Fiery server while Fiery QuickTouch firmware is being updated.</p>	

**Benefits:**

- More convenient way to perform backup and recovery functions
- Easier way to troubleshoot potential Fiery server errors
- Get back into production quicker without unnecessary Fiery server reboots
- Easier access to QuickTouch updates and alert notifications

**Availability:**

Cutsheet external servers	Standard
Cutsheet embedded servers	Not available

**Server or client feature:** server

### Fiery JDF 1.8

Fiery JDF allows process automation from job submission to output by integrating print workflows and business management systems. With built-in JDF-based integration support, job information flows through the systems with fewer touchpoints and errors.



Version 1.8 of Fiery JDF enables integration with new Fiery features, as well as fixes for known issues and performance optimisation:

- ChapterBasedFinishing: allows users to print specified page range(s) on front side of the sheet, when the job is duplexed.
- OffsetWithinJob: a new attribute used to differentiate between existing “offset jobs” and the new “offset within jobs” features.
- PileAllow: determines whether subsequent jobs to the same output tray can be stacked on top of the job that is currently in the output tray.
- Double Punch: support for double-punch finishing.
- Performance and stability improvements: version 1.8 includes optimisations that significantly improve performance and reliability for JDF integrated workflows in high-production environments.

For more information on Fiery JDF, visit [this web page](#).

**Benefits:**

- Fiery offers JDF-based integration that is constantly evolving to support more print workflows to maximise automation potential in all print environments

**Availability:**

Cutsheet external servers	Standard
Cutsheet embedded servers	Requires Fiery Automation Package

**Server or client feature:** server

### Fiery API 5.2

Print workflows are unique to every print business. Fiery application programming interface (API) allows print shops to rapidly develop unique apps and tools for specific business needs on a variety of desktop or mobile platforms, including Windows®, Mac OS, iOS and Android — using the development environment of their choice. The RESTful API exposes the Fiery interface and establishes a secure bi-directional connection with Fiery servers, allowing developers to extract job data for custom uses such as cost analysis and optimized scheduling, and submit jobs with basic settings from the customer’s existing applications.

Fiery API version 5.2 includes the following new features:

- Performance and stability improvements.
- Faster response for Paper Catalog with the GET /live/api/v5/papercatalog command prompt.
- Fiery system software FS100 Pro/FS100 and earlier are no longer supported.

For Fiery servers with Fiery FS150 Pro and later, users will receive the update through Fiery Updater on Fiery Command WorkStation.

Fiery API v5.2 is also required to support the Fiery Spot Pro application that comes with Fiery Command WorkStation v6.6.

Developers can find the resources they need to get started at [developer.efi.com](https://developer.efi.com), including code samples, API documentation, and how to get an evaluation license for their project.

**Benefits:**

- Facilitate the development of custom integrations for the print shop's specific needs

**Availability:**

Cutsheet external servers	Standard
Cutsheet embedded servers	Standard

**Server or client feature:** server

**Cloud-enabled Fiery servers**

The EFI Cloud Connector application comes pre-installed on Fiery servers running Fiery FS500 Pro. This streamlines the onboarding process of the Fiery server to an EFI IQ account and enables users to quickly start collecting and sending data to EFI IQ.

EFI IQ is an all-new suite of paid and free applications that connect people, processes, and print devices; to enable better, data-driven decisions for print businesses. The suite includes:

**IQ Dashboard (Free)**

- For a quick overview of today's key production metrics and the current state of printers.



**EFI Insight (Free)**

- Provides historical trends information to improve future performance and compare performance between devices and shifts to increase shop floor productivity.

**EFI Go (Free)**

- Monitors the status of multiple printers and jobs from a smart phone or tablet.

**EFI ColorGuard (Paid)**

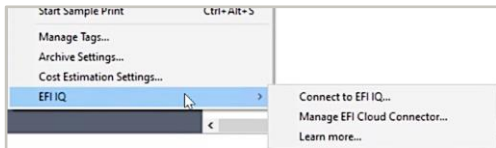
- For streamlining colour verification tasks and tracking colour quality over time.

### EFI Manage (Paid)

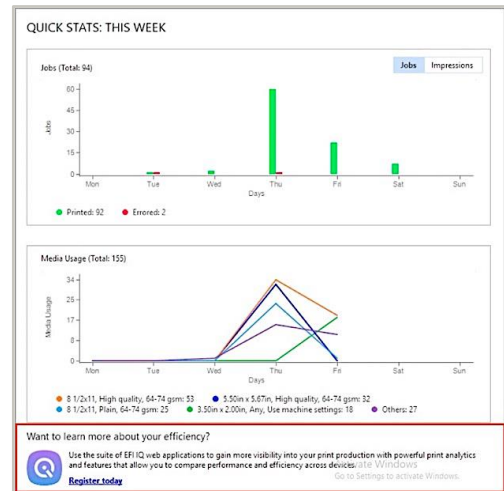
- For managing printers by syncing resources, checking compliance, and monitoring device status.

Connecting to EFI IQ is easier than ever before from Fiery Command WorkStation with:

- The ability to sign in to, or register for, an EFI IQ account within the QUICK STATS area of Fiery Command WorkStation Home screen
- The option to enable and activate EFI IQ on a Fiery server directly from the Fiery Command WorkStation Server menu



Onboarding to EFI IQ from the Fiery server menu



Connecting to EFI IQ from the Home screen

### Benefit

- More convenient access to EFI IQ

### Availability:

Cutsheet external servers	Standard
Cutsheet embedded servers	Standard

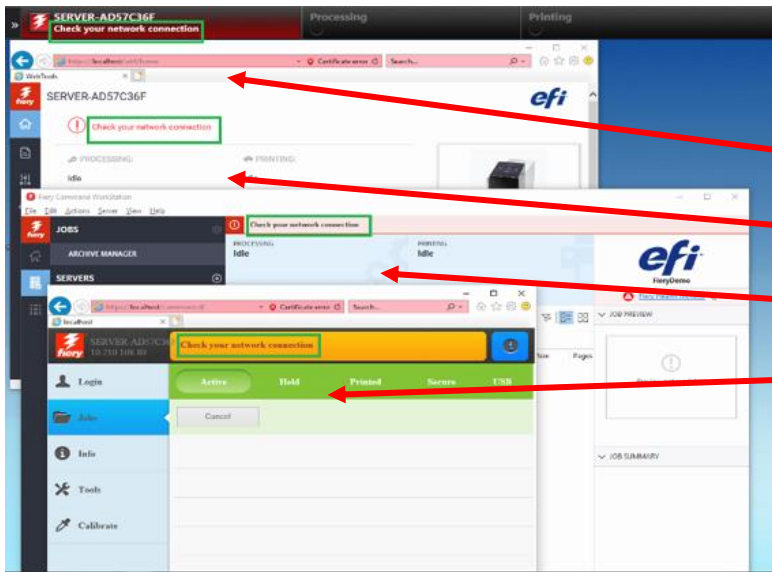
Server or client feature: client

### Network status notifications

The Fiery server monitors the network connection status and provides notifications when it is unable to connect. These notifications provide Fiery administrators better visibility into customer network stability issues that could impact Fiery availability, as well as could prevent unnecessary Fiery server reboots.

These notifications appear on the Fiery Ticker, Fiery QuickTouch, Fiery WebTools, and in Fiery Command WorkStation.

Fiery administrators can disable or enable these notifications in Fiery WebTools. Network event messages also generate a log that can be used for additional investigation or troubleshooting.



Examples of network status notifications in Fiery applications:

- Fiery Ticker
- Fiery WebTools
- Fiery Command WorkStation
- Remote access to Fiery options on printer LCD (Fiery LCD)

**Benefits**

- Better visibility into network issues that can potentially cause Fiery server errors
- Prevents unnecessary Fiery server reboots

**Availability:**

Cutsheet external servers	Standard
Cutsheet embedded servers	Standard

Server or client feature: server

**Debian 10 Linux**

Fiery embedded servers with Fiery FS500 system software include Debian 10 Linux. Debian 10 includes security fixes and stability updates.

**Benefit**

- Enhanced security and stability

**Availability:**

Cutsheet external servers	Not available
Cutsheet embedded servers	Standard

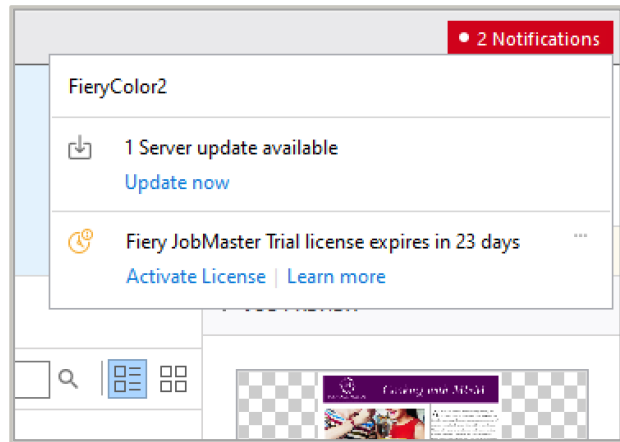
Server or client feature: server



### Fiery Command WorkStation Notifications

Both Fiery server and Fiery software notifications are in one convenient location in Fiery Command WorkStation. Notification types depend on which kind of Fiery server is connected, plus log-in rights. Server notifications appear at the top right of Job Center, and include:

- Available server update notifications:
  - For example, software updates to enable new application use such as EFI IQ
- Software license expiration notifications for:
  - Client-based licenses such as Fiery Impose, Compose, and JobMaster free trials
  - Server-based licenses like Fiery Graphic Arts Pro Package or Fiery ColorRight Package



A Fiery server and Fiery software notifications

### Benefit

- More convenient access to important notifications about available Fiery server/software updates

### Availability:

Cutsheet external servers	Standard
Cutsheet embedded servers	Standard

**Server or client feature:** client (Fiery Command WorkStation 6.6)

## Reliable

### Improved Fiery system software installation workflows

With Fiery FS500 Pro servers, the Fiery software installation process has undergone a significant architectural change. Decoupling Fiery software from the Windows operating system for installation provides several benefits:

- Reduces re-installation time<sup>1</sup> —no need to re-install the Windows OS and download all the Microsoft security updates if Fiery software needs to be re-loaded<sup>2</sup>
- Simplifies paid upgrades to the latest Fiery version — enables faster Fiery software upgrades for systems in the field.



<sup>1</sup> When using Fiery Installer Builder (FIB)

<sup>2</sup> Recovery/restore workflows from Fiery backup images includes both Windows OS and Fiery software

### Benefits

- Makes servicing and supporting Fiery servers easier and faster for service technicians
- Improves service experience by reducing Fiery software installation time

### Availability:

Cutsheet external servers	Standard
Cutsheet embedded servers	Not available

**Server or client feature:** server

### Fiery auto-recovery improvements

Fiery auto-recovery introduced automatic procedures to bring the Fiery server back to normal operation. These procedures enable the Fiery server to recover from error conditions with reduced operator intervention.

Fiery FS500 Pro servers include enhancements that make the auto-recovery process more intuitive. The recovery scripts run in a sequence designed to minimise impact to user data.

### Improved user notifications and status

A new progress bar is included in auto-recovery processes. This discourages users and service technicians from pressing the Fiery server “off” button if it appears that no action is happening on the server. This progress bar is displayed in Fiery WebTools and Fiery QuickTouch.

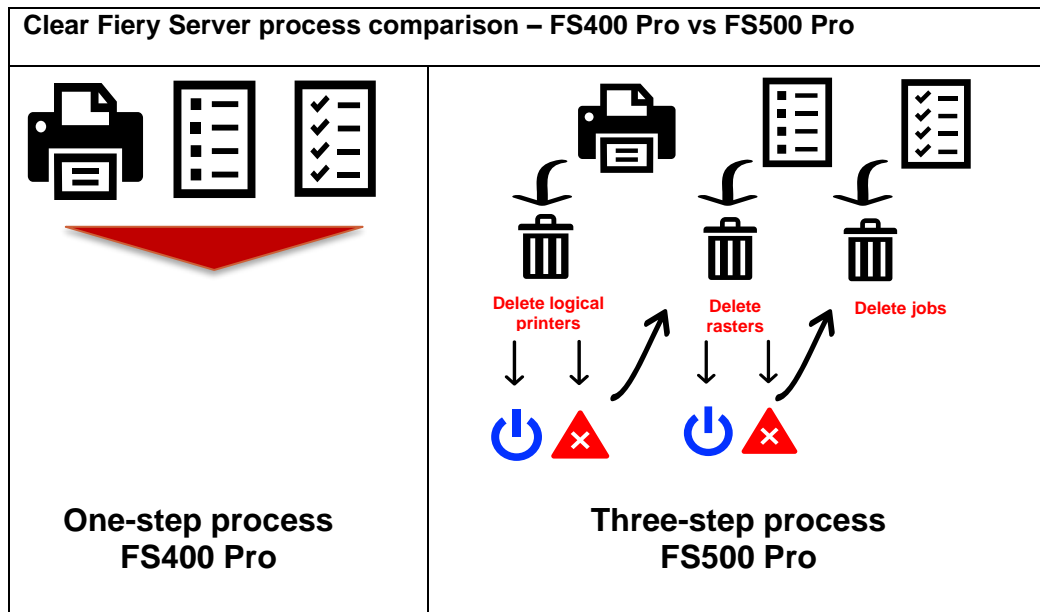


Progress indicator in FS400 Pro

Progress indicator in FS500 Pro – more clear indication of time remaining in each step

### More intuitive healing process

When the Fiery server is in *Recovery Mode*, the Clear Fiery Server function is now a three-step process. The steps run in sequence to preserve items such as raster data or jobs, so they're not being unnecessarily deleted.



### Benefit

- Clear progress indicator discourages users from interrupting recovery process
- More intuitive processes help preserve items from being unnecessarily deleted.

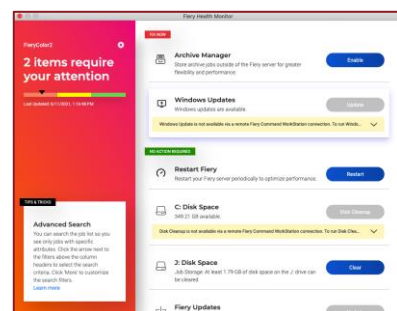
### Availability:

Cutsheet external servers	Standard
Cutsheet embedded servers	Standard

Server or client feature: server

### Fiery Health Monitor improvements

When using the Fiery Health Monitor, it provides additional information to help manage and maintain servers more effectively. From any Fiery Command WorkStation client, users can now see when Windows updates are needed on the Fiery server, plus when a Fiery server's C: drive is running low on space. This encourages operators to take action at the server more promptly to maintain a productive and secure environment.



Placeholder image



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**Benefits:**

- Encourages proactive Fiery maintenance which results in better Fiery performance and security

**Availability:**

Cutsheet external servers	Standard
Cutsheet embedded servers	Standard

**Server or client feature:** server

## Secure

### Security updates

Fiery FS500 Pro servers include all the latest security updates required to meet industry security compliance.

Specific security updates to highlight include:

- Unsecured HTTP communications using Port 80 can now be disabled from Fiery Configure
- Improved Fiery Certificate Management module:
  - Support 4096-bit and 3072-bit key length RSA certificates
  - Supports popular PKCS format certificates and encrypted private key file upload
  - A default self-signed certificate is now installed on the Fiery server to prevent invalid certificate warning messages on Fiery servers using the NX Station
  - Fiery self-signed certificates are recreated automatically when network settings are changed from Fiery Configure
- Enhanced core components and open-source packages
  - All secure communications with Fiery now make use of TLS v1.2 and TLS v1.3.
- Fiery FS500/FS500 Pro software updates and service packs are signed with SHA-2 for enhanced security
- For more details on security features in Fiery FS500 Pro servers, download the [Fiery Security White Paper](#).

#### Benefits:

- Compliant with the latest security protocols and standards

#### Availability:

Cutsheet external servers	Standard
Cutsheet embedded servers	Standard

**Server or client feature:** server

### Enhanced network security settings

Fiery FS500 Pro servers come pre-configured with only the most common network protocols and services enabled by default.

These new default network settings are also programmed according to Fiery security profiles, which offer pre-defined security recommendations based on different risks and threat levels. The High security profile, recommended for high-security environments, now includes these specific network settings:

- Port 9100 is disabled by default
- SLP is disabled by default (cutsheet only)
- NetBIOS is disabled by default

#### Benefits:



- Simplifies installation process for IT administrators
- Facilitates compliance requirements for high-security environments
- Prevents uncommon protocols and services from adding unnecessary network traffic

**Availability:**

Cutsheet external servers	Standard
Cutsheet embedded servers	Standard

**Server or client feature:** server

**Support customer-supplied Windows 10 operating systems**

The architectural change on Fiery FS500 Pro servers that allows the Fiery software to be installed independently of the Windows operating system also has benefits for customers in high-security environments, such as government or finance. These customers can now choose to install and maintain their own custom Windows 10\* semi-annual channel (SAC) operating system (OS) image on the Fiery server, rather than the Windows 10 2019 LTSC OS that is installed by default on Fiery servers. Custom OS configurations like SAC comply with specific organisational security policies. This provides the flexibility high-security environments need to comply with security policies and industry regulations.

Note that some Fiery server functions may not be operable on a Windows 10 SAC OS. Fiery Professional Services may be required to assist in installation and configuration. For more details, please contact your Fiery reseller.

**Benefits:**

- Enables high-security environments to use a custom hardened Windows OS image to meet security compliance requirements

*\* OS support limited to Windows 10 Enterprise v. 1909 and later*

**Availability:**

Cutsheet external servers	Standard
Cutsheet embedded servers	Not available

**Server or client feature:** server

## Modified/removed functions

### Adobe Acrobat Pro 2020 option kit replacement

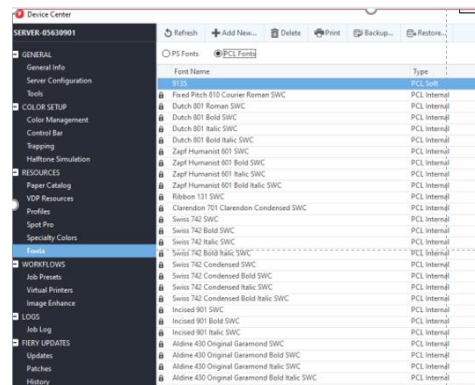
The Adobe® Acrobat® Pro 2020 option kit replaces the Adobe Acrobat Pro 2017 and Enfocus PitStop Edit 2019 kit and provides a majority of the same features in one solution. Users can edit PDF pages from within Fiery Impose, Compose, and JobMaster by using the Adobe Acrobat Pro 2020 option kit from EFI or their own Adobe Acrobat subscription.



Watch a quick [video](#) and download the [feature comparison table](#) for more information.

### PCL soft fonts

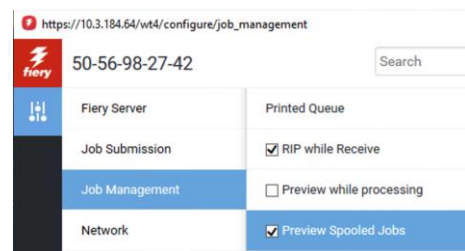
PCL fonts loaded onto the Fiery server are now stored permanently. Users no longer need to reload PCL fonts when they restart the Fiery server.



### Optional preview of spooled jobs

Users can choose to disable the automatic generation of thumbnails for jobs spooled to the Fiery server. This applies to spooled jobs as displayed in Fiery Command WorkStation, both in the job summary and in the job list. By default, thumbnail generation is on.

Disabling previews improves RIP and user interface performance when multiple jobs are imported into Command WorkStation.



### Smaller Control Bar area

Information in the Fiery Control Bar is shown on top of a white background, which is overlaid on job content. Previously, this white background extended to the edge of the sheet. Now, the white background only extends to the edge of the control bar content, which overwrites less of the job content.



FS500 Pro – Control Bar (smaller area)



FS400 Pro – Control Bar (larger area)

## Free educational resources

[Learning@EFI](#) delivers learning resources that best fit users' needs using a variety of free, self-paced, web-based courses; videos; or hands-on practical guides that make it easy to fit training into busy schedules.



- eLearning courses: interactive online learning sessions
- Simulation learning: learning solution that offers the opportunity to practice techniques and procedures in a realistic, immersive environment
- Express videos: short videos on key topics delivered by EFI subject-matter experts
- Webinars: access to recordings of World of Fiery Webinars, an on-going program of educational, free webinars that feature valuable information for colour professionals and owners and managers of print businesses or in-plant/CRD operations
- How-to guides: step-by-step instructions with sample files

### ***Fiery certification programs***

In today's fast-changing world, print professionals need a convenient and affordable way to gain new skills and credentials quickly – so they can do more, be more, and take their careers to the next level. Be a step ahead of the others. Our certification programs will help print professionals stand out in the workplace.

#### ***Fiery Professional Certification***

The Fiery Professional Certification teaches print professionals the necessary skills to optimise the performance of EFI technology solutions. Developed by EFI subject-matter experts, it provides the latest information on Fiery technology to develop employee skills, enhance professional development, and transform print businesses.



#### ***Fiery Expert Certification***

The Fiery Expert Certification builds on the Fiery Professional Certification to develop more in-depth expertise. The expert courses help students master the advanced Fiery toolsets and learn to use the full range of features.



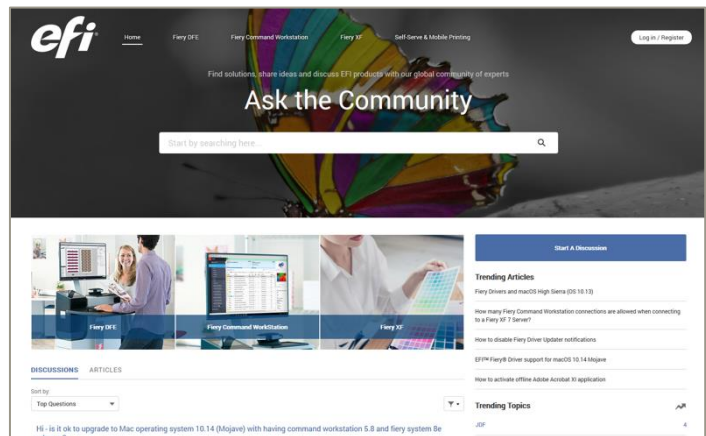
For more information on the Fiery certification programs and to enroll, visit [this web page](#).

## EFI Communities

EFI hosts a customer engagement platform, EFI Communities at [communities.efi.com](https://communities.efi.com). Here, Fiery users have a place to find solutions, share ideas, and discuss EFI products with our global community of experts.

EFI Communities also offers additional great features:

- A searchable knowledge base of technical articles created by the Fiery Technical Support team, for solutions to common or known issues
- The ability to “follow” topics that interest you, or on specific areas of focus
- A personalised feed which is created dynamically based on your previous activities on the site
- The ability to select the “best” answer from multiple solutions
- New web design that's compatible with mobile devices
- Fiery Licensing Assistant, an automated chat option designed to quickly help with licensing related questions



EFI Communities landing page

## Additional resources

Use this list of sales, training, and technical resources to help you broaden your knowledge of Fiery print servers, plus related products and applications.

Fiery servers main page	<a href="https://fiery.efi.com">fiery.efi.com</a>
Fiery online resources	<a href="https://resources.efi.com">resources.efi.com</a>
Explore the Fiery digital front ends sold by Fiery partners	<a href="https://efi.com/fierydfe">efi.com/fierydfe</a>
Fiery production solutions	<a href="https://fiery.efi.com/production-solutions">fiery.efi.com/production-solutions</a>
Fiery Workflow Suite	<a href="https://fiery.efi.com/fws">fiery.efi.com/fws</a>
Fiery integration to 3 <sup>rd</sup> party software	<a href="https://www.efi.com/fieryintegration">www.efi.com/fieryintegration</a>
Fiery driver downloads	<a href="https://efi.com/fierydrivers">efi.com/fierydrivers</a>
Fiery Command WorkStation main webpage	<a href="https://efi.com/cws">efi.com/cws</a>
Fiery Command WorkStation download	<a href="https://fiery.efi.com/cws">fiery.efi.com/cws</a>
Fiery software free trial request	<a href="https://fiery.efi.com/free-trials">fiery.efi.com/free-trials</a>
Training resources at Learning@EFI	<a href="https://learning.efi.com">learning.efi.com</a>
EFI Communities	<a href="https://communities.efi.com">communities.efi.com</a>



We develop breakthrough technologies for the manufacturing of signage, packaging, textiles, ceramic tiles, building materials and personalised 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](http://www.efi.com) or call 0808 101 3484 (UK only) or +44 (0)1246 298000 for more information.



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