

# Fiery® Color Controller N-70A vs N-50A

Fiery FS500 Pro



## The right choice

RICOH® offers two Fiery® servers designed for the Pro™ C7500: Color Controllers N-70A and N-50A. This document will help you identify the correct solution for your high production environment.

### When to choose Fiery Color Controller N-70A over N-50A

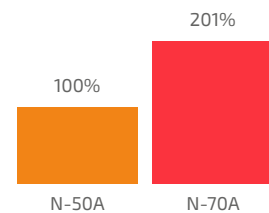
#### FASTER PROCESSING SPEED

Fiery Color Controller N-70A features **Fiery HyperRIP**, an exclusive Fiery technology that helps achieve uninterrupted production and expands performance with parallel job processing power. With HyperRIP, the Fiery server can split a single job into eight logical parts for parallel processing, or it can RIP multiple jobs simultaneously.

Plus, **Fiery Color Controller N-70A is 2x faster** compared to Color Controller N-50A. It provides more power to cost-effectively handle the additional processing required to manage complex files with multiple layers, transparencies, and overprints, making it the best choice for demanding production environments and future-proofing your investment.



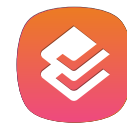
Fiery Color Controller N-70A vs N-50A  
Performance comparison



#### OPERATORS NEED TO MAKE LATE-STAGE EDITS AND CORRECTIONS TO FILES

In demanding print environments, operators need to be able to easily perform late-stage edits to adjust colors and preview full raster files to ensure they are error-free. **Fiery Color Controller N-70A comes standard with Fiery Graphic Arts Pro Package** to identify and correct print problems before they result in rejected jobs and waste. Key features include:

- **Fiery Preflight Pro:** The ultimate set of PDF preflight checks, Fiery Preflight Pro allows users to verify file compliance against industry standards and identify potential errors in files, which can then be viewed in the interactive Preflight Pro Report.
- **Fiery Spot Pro:** Ensure that brand colors are reproduced correctly, every time. With Fiery Spot Pro, users get the ability to create a spot color alias, import/export spot color libraries as .ase files, edit spot colors in a specific job, optimize all spot colors at once, and more.
- **Fiery ImageViewer:** Inspect files for errors before printing a single page - no need to re-RIP before printing. Or, edit color curves and quickly make color replacements. And, export soft proofs in less than a minute.
- **Fiery Postflight:** Visual tool to identify page element errors.
- **Fiery Control Bar:** Create customized process control bars.



Fiery Preflight Pro



Fiery Spot Pro



Fiery ImageViewer



Fiery Postflight



Fiery Control Bar





## When to choose Fiery Color Controller N-70A over N-50A

### ESSENTIAL TOOLS FOR MAXIMIZING 5<sup>TH</sup> COLOR STATION CAPABILITIES

In addition to valuable late-stage editing tools, **Fiery Graphic Arts Pro Package**, included with **Fiery Color Controller N-70A**, provides essential tools for maximizing the 5th color station capabilities.

#### Fiery Spot Pro

- Optimize spot colors that include neon pink and neon yellow toners
- Create custom spot colors mixed with special toners like gold or silver
- View how adding neon pink and neon yellow to a spot color recipe can improve color accuracy
- Edit spot colors in a specific job
- Print swatch books that include 5<sup>th</sup> color station toners

#### Fiery ImageViewer

- Isolate 5<sup>th</sup> color station separations to ensure they will print properly
- See the difference in coverage when using neon pink and neon yellow as expanded gamut toners, versus only for spot colors.
- Perform color replacements and adjust color curves

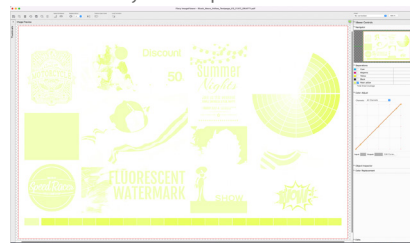
#### CMYK

Name	Color Accuracy ( $\Delta E_{00}$ )...
neon_pink	Out of gamut
PANTONE 805 C	Out of gamut
PANTONE 806 C	Out of gamut
PANTONE 807 C	Out of gamut

#### CMYK + neon pink

Name	Color Accuracy ( $\Delta E_{00}$ )...
neon_pink	In gamut
PANTONE 805 C	Out of gamut
PANTONE 806 C	In gamut
PANTONE 807 C	In gamut

#### Isolated neon yellow separation



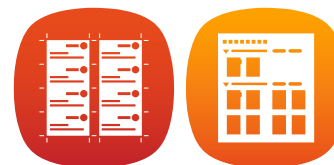
### MEET INCREASING DEMAND FOR VARIABLE DATA PRINTING

Ensure that you are prepared to meet the increasing demand for variable data printing (VDP) over the life of the lease. Both Fiery Color Controller N-70A and N-50A support all leading VDP formats and work with all leading variable data composition software. However, the **additional speed of Fiery Color Controller N-70A** enables printing at maximum productivity for even the most complex VDP jobs.



### POWERFUL MAKEREADY TOOLS

**Fiery Color Controller N-70A includes Fiery Impose-Compose.** Out of the box, Fiery Impose delivers fully visual imposition that includes built-in integration with offline finishers, which can reduce job prep time by up to 70%. Plus, Fiery Compose provides an advanced preview and editing environment to simplify media assignments, tab printing, chapterization and document finishing.





## What both Fiery servers offer

### BUILT-IN PRINT INTELLIGENCE

Both Fiery servers include advanced job management tools to maximize the printer throughput. [Fiery JobExpert™](#) helps reduce setup time by dynamically analyzing the incoming production file, finding issues quickly — including those that cannot be detected by an operator — automatically setting the optimal Fiery job settings, and processing jobs to achieve the best possible print quality.



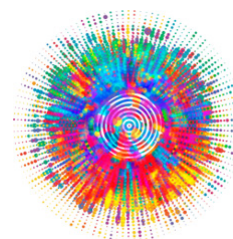
### INTEGRATION WITH JDF AND WORKFLOW SOLUTIONS

Both Fiery servers allow connectivity with leading web-to-print and MIS solutions, as well as with popular industry workflow solutions such as Heidelberg® Prinect, Kodak® PRINERGY, Agfa® Apogee, and SCREEN EQUIOS. This integration enables job information to flow through the system faster and more efficiently to reduce human error and save time.



### OUT-OF-THE-BOX COLOR ENHANCEMENTS WITH FIERY EDGE

Both Fiery servers include Fiery Edge™ color profiles, which deliver improvements in many key color quality areas for digital print producers. Fiery Edge helps produce the smoothest color transitions and blends. It provides maximum shadow details in neutral and chromatic areas. Plus, it gives users controls to produce more saturated, vivid, and stunning print results. Use Fiery Intensify™, a rendering intent innovation that is part of Fiery Edge, to boost color and saturation, while maintaining neutral grays and perfect skin tones.



### A PURE PDF WORKFLOW

Both Fiery servers integrate Adobe® PDF Print Engine technology to offer a choice of end-to-end native PDF or legacy workflows. This provides consistency and flexibility from design to output in digital and offset print environments.



POWERED BY  
Adobe PDF Print Engine

### ACCURATE, CONSISTENT COLOR

Both servers render all combinations of color spaces and transparency blends correctly using industry-standard tests such as Altona Test Suite 2 and Ghent PDF Output Suite version 5.0. They offer default settings that maximize performance with the best color quality right out of the box. They can also sharpen images, smooth flesh tones, and enhance the natural color of any photo in a document with the fully integrated Fiery Image Enhance Visual Editor.



### COMPATIBLE WITH INDUSTRY STANDARDS

Fiery servers support most industry VDP formats, including Fiery FreeForm™ Plus (output from Fiery FreeForm Create, an included, standalone VDP application); PPML 2.0/2.2/3.0; PDF/VT 1 and 2; and Creo VPS™





## Key comparative features

Feature	Fiery Color Controller N-70A	Fiery Color Controller N-50A
Fiery platform	NX Premium IV	NX Pro III
Fiery software	Fiery FS500 Pro	Fiery FS500 Pro
Processor	Intel® Xeon® Dual 12 Core Processor	Intel Core® i5-8500 processor
Operating system	Microsoft Windows 10 IoT Enterprise 2019 LTSC	Microsoft Windows 10 IoT Enterprise 2019 LTSC
Memory	32 GB (8 x 4 GB)	8 GB (2 x 4 GB)
Disk drive(s)	SSD boot drive for OS & Fiery software + 2 x 2 TB HDD	SSD boot drive for OS & Fiery software + 1 TB HDD
Fiery HyperRIP	Included	Not available
Fiery JobExpert	Included	Included
Fiery JobFlow Base*	Included	Included
Fiery Impose* subscription	Included (5-year subscription)	Optional
Fiery Compose* subscription	Included (5-year subscription)	Optional
Fiery JobMaster* subscription	Optional	Optional
Fiery Graphic Arts Pro Package* subscription	Included (5-year subscription)	Optional
Fiery Color Profiler Suite**	Optional	Optional
ES-3000 spectrophotometer	Optional	Optional
ES-6000 spectrophotometer	Optional	Optional
Fiery IQ: Dashboard, Go, Notify, Insight	Free	Free
Fiery ColorGuard*	Optional	Optional
Fiery Manage	Optional	Optional
Fiery NX Station GL/LS	Optional	Optional
Fiery disk drive security kit	Optional	Optional
<b>RICOH TotalFlow Basic Bundle</b> Includes Fiery Impose (5-year subscription) and ES-3000 spectrophotometer	Optional (Note: N-70A already includes one Impose license)	Optional
<b>RICOH TotalFlow Advanced Bundle</b> Includes Fiery Graphic Arts Pro Package (5-year subscription), Fiery Impose-Compose (5-year subscription), Fiery Color Profiler Suite, and ES-3000 spectrophotometer	Optional (Note: N-70A already includes Fiery Graphic Arts Pro Package and Fiery Impose-Compose)	Optional

\* 30-day free trial available at [fiery.com](https://www.fiery.com)

\*\* Free software trial in demo mode



For more information, please visit [www.fiery.com](https://www.fiery.com)

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