

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

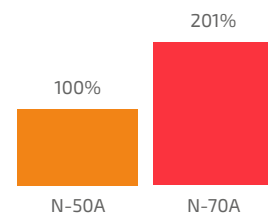
FASTER PROCESSING SPEED

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 colours 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 colours are reproduced correctly, every time. With Fiery Spot Pro, users get the ability to create a spot colour alias, import/export spot colour libraries as .ase files, edit spot colours in a specific job, optimise all spot colours at once, and more.
- **Fiery ImageViewer:** Inspect files for errors before printing a single page - no need to re-RIP before printing. Or, edit colour curves and quickly make colour replacements. And, export soft proofs in less than a minute.
- **Fiery Postflight:** Visual tool to identify page element errors.
- **Fiery Control Bar:** Create customised 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 MAXIMISING 5TH COLOUR 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 maximising the 5th colour station capabilities.

Fiery Spot Pro

- Optimise spot colours that include neon pink and neon yellow toners
- Create custom spot colours mixed with special toners like gold or silver
- View how adding neon pink and neon yellow to a spot colour recipe can improve colour accuracy
- Edit spot colours in a specific job
- Print swatch books that include 5th colour station toners

Fiery ImageViewer

- Isolate 5th colour 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 colours.
- Perform colour replacements and adjust colour curves

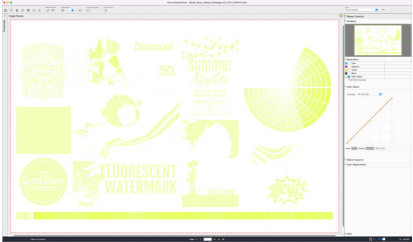
CMYK

Name	Color Accuracy (ΔE 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 (ΔE 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



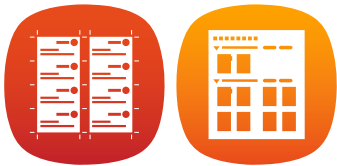
MEET INCREASING DEMAND FOR VARIABLE DATA PRINTING

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, chapterisation and document finishing.





What both Fiery servers offer

BUILT-IN PRINT INTELLIGENCE

Both Fiery servers include advanced job management tools to maximise the printer throughput. [Fiery JobExpert™](#) helps reduce setup time by dynamically analysing 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.



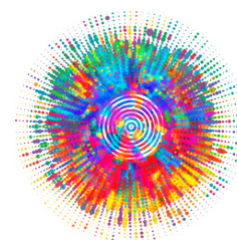
INTEGRATION WITH JDF AND WORKFLOW SOLUTIONS

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 COLOUR ENHANCEMENTS WITH FIERY EDGE

Both Fiery servers include Fiery Edge™ colour profiles, which deliver improvements in many key colour quality areas for digital print producers. Fiery Edge helps produce the smoothest colour 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 colour 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 COLOUR

Both servers render all combinations of colour 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 maximise performance with the best colour quality right out of the box. They can also sharpen images, smooth flesh tones, and enhance the natural colour 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
RICOH TotalFlow Basic Bundle Includes Fiery Impose (5-year subscription) and ES-3000 spectrophotometer	Optional (Note: N-70A already includes one Impose license)	Optional
RICOH TotalFlow Advanced Bundle 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

Nothing herein should be construed as a warranty in addition to the express warranty statement provided with Fiery, LLC products and services.

ColorGuard, ColorRight, Command WorkStation, ColorWise, Fiery, the Fiery logo, Fiery Compose, Fiery Driven, the Fiery Driven logo, Fiery Edge, Fiery Essential, Fiery HyperRIP, Fiery Impose, Fiery Impress, Fiery ImageViewer, Fiery Intensify, Fiery JobExpert, Fiery JobFlow, Fiery JobMaster, Fiery Prep-it, Fiery Prints, the Fiery Prints logo, Fiery TrueBrand, FreeForm, MicroPress, IQ, PrintMe, RIPChips, RIP-While-Print, Spot-On, Spot Pro, and WebTools are trademarks or registered trademarks of Fiery, LLC and/or its wholly owned subsidiaries in the U.S. and/or certain other countries. All other terms and product names may be trademarks or registered trademarks of their respective owners and are hereby acknowledged.

© 2023 FIERY, LLC. ALL RIGHTS RESERVED.

FTL_Rc_012.02.23