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Masterclass **efi**

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Manuel Ramirez

Technical Sales Specialist



Agenda

- Calibration
- Colour Profiling
- Basic Settings
 - PDFX4
- CWS 6.x
- Fiery Jobflow
- Resources



Print-to-Print Accuracy and Consistency



Calibrated

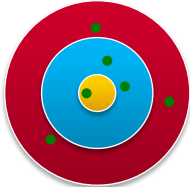


Consistent, but not Accurate, Color

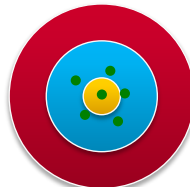


Consistent and Accurate Color

Un Calibrated



Neither Consistent nor Accurate Color



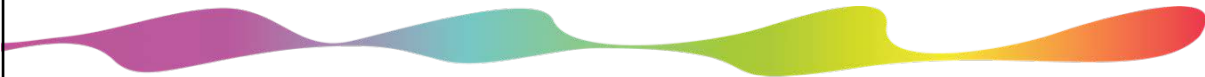
Accurate Color on Average, not Consistent

Un Profiled

Profiled



Fiery Command WorkStation 6: Configuring color settings and best practices



Manuel Ramirez



What you will learn



- Command WorkStation 6 new color tab interface
 - How to get to settings
- Color flowchart
 - Description of color settings
 - How to set new workflow that comply with local standards
 - Importance of making custom profiles
 - Best practice color settings
 - Server defaults



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Command WorkStation 6 color tab



How to get there demo



3

Fiery Command WorkStation 6 FS200 Color Settings

	RGB	CMYK/Grayscale	Spot Color
Color mode			
Source profile	↓	↓	↓
RGB rendering intent / CMYK processing method	↓	↓	↓
Print gray using black only	↓	↓	↓
Black point compensation	↓	↓	↓
Separate RGB/Lab to CMYK source	↓	↓	↓
Black text and graphics	↓	↓	↓
Composite overprint	↓	↓	↓
Optimize RGB transparency	↓	↓	↓
Output profile & calibration	↓	↓	↓

Fiery Command WorkStation 6 FS200 Color Settings

	RGB	CMYK/Grayscale	Spot Color
Color mode			
Source profile	↓	↓	↓
RGB rendering intent / CMYK processing method	↓	↓	↓
Print gray using black only	↓	↓	↓
Black point compensation	↓	↓	↓
Separate RGB/Lab to CMYK source	↓	↓	↓
Black text and graphics	↓	↓	↓
Composite overprint	↓	↓	↓
Optimize RGB transparency	↓	↓	↓
Output profile & calibration	↓	↓	↓

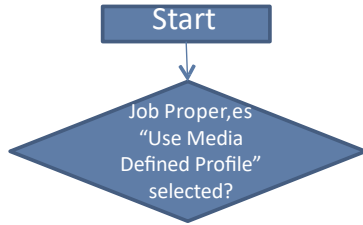
Fiery Command WorkStation 6 FS200 Color Settings

The image displays the Fiery Command WorkStation 6 FS200 Color Settings interface. On the left, a screenshot of the software shows the 'Output profile' dropdown menu with 'Use media defined profile' selected and highlighted by a red box. On the right, a flowchart illustrates the color processing pipeline. The pipeline starts with 'Color mode' (RGB, CMYK/Grayscale, or Spot Color), followed by 'Source profile', 'RGB rendering intent / CMYK processing method', 'Print gray using black only', 'Black point compensation', 'Separate RGB/Lab to CMYK source', 'Black text and graphics', 'Composite overprint', and 'Optimize RGB transparency'. The final step, 'Output profile & calibration', is highlighted with a red box and labeled 'Use media defined profile'. The efi logo is visible in the bottom left corner, and the copyright notice '© Copyright 2017 ELECTRONICS FOR BUSINESS INC.' is in the bottom right corner.

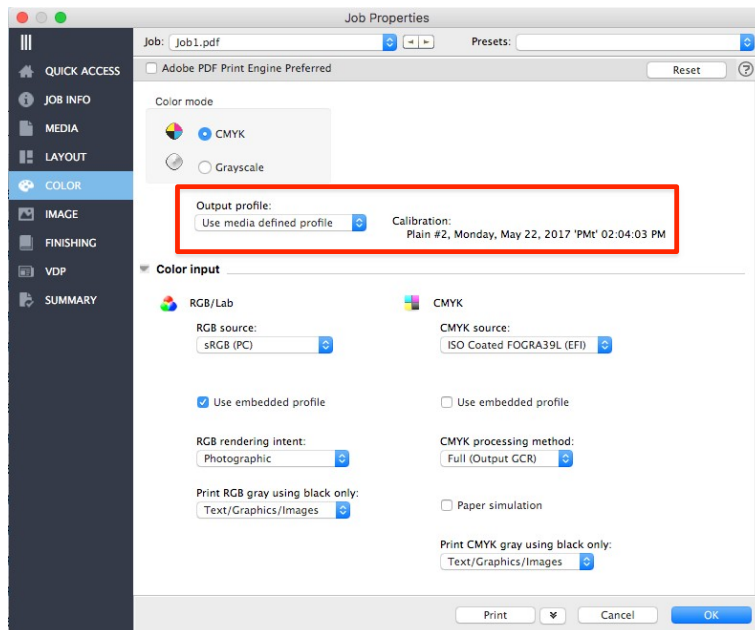
Output profile selection

Depending on the configuration of the DFE, output profile may be selected automatically or manually

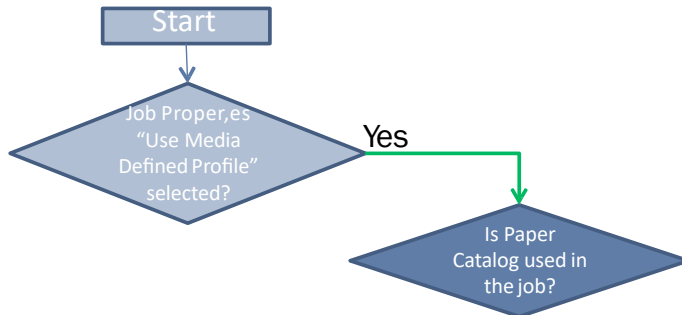
Automatic output profile selection



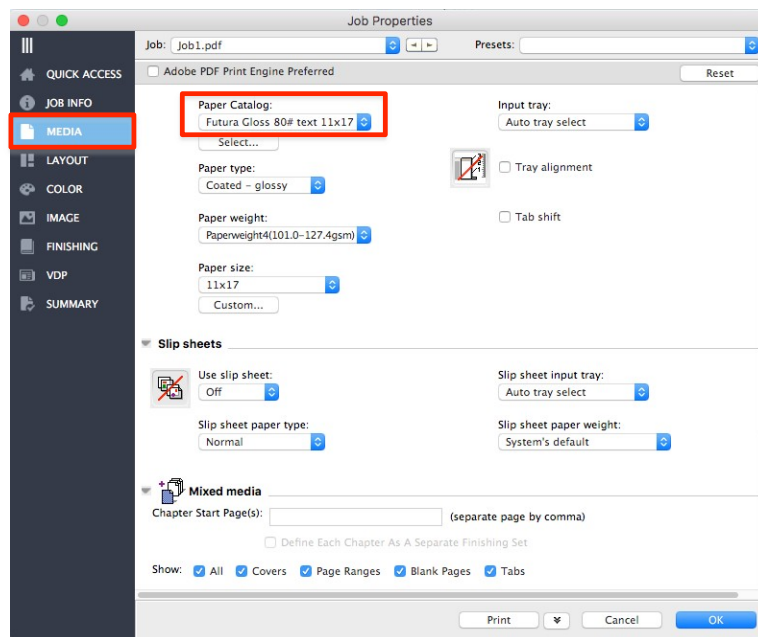
Automatic output profile selection



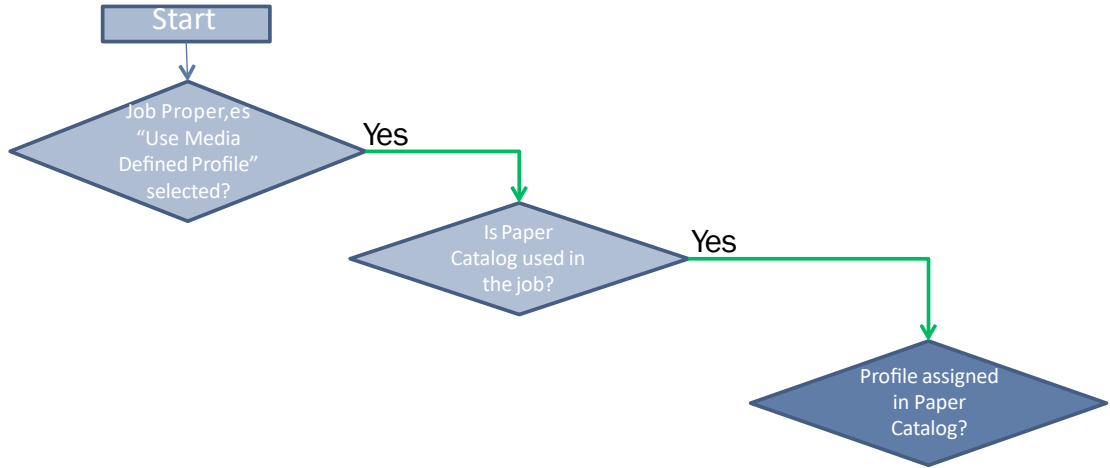
Automatic output profile selection



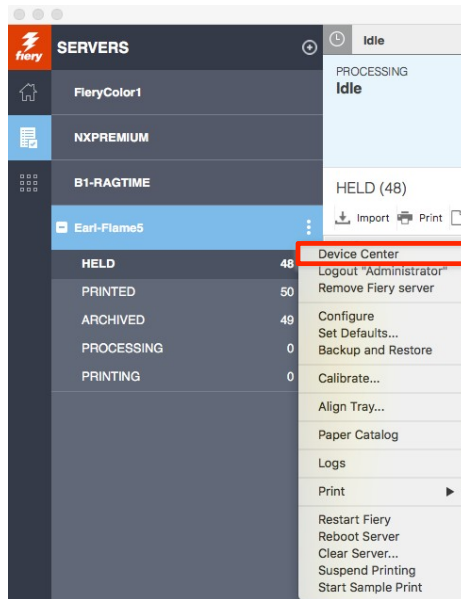
Automatic output profile selection



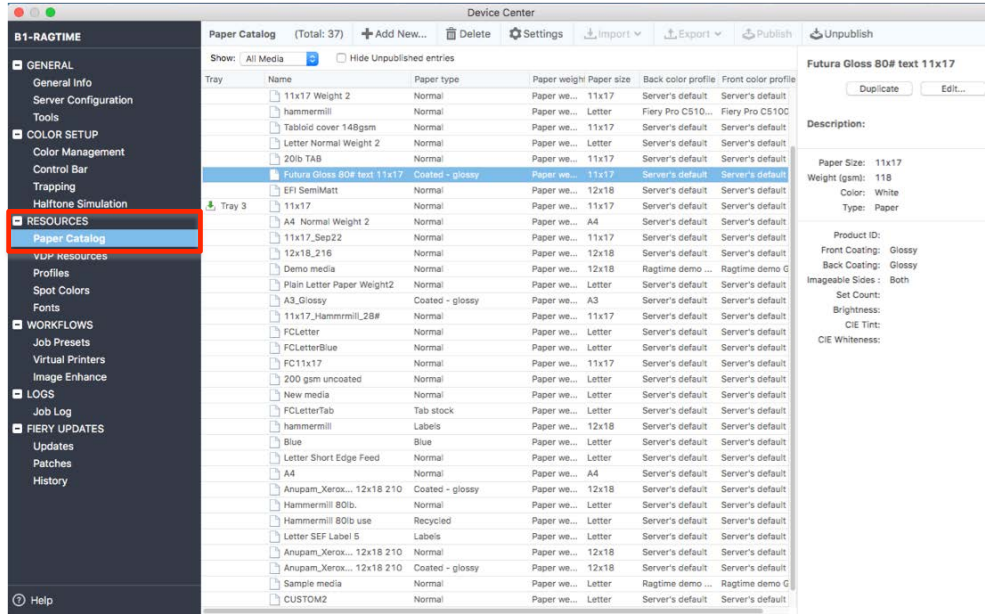
Automatic output profile selection



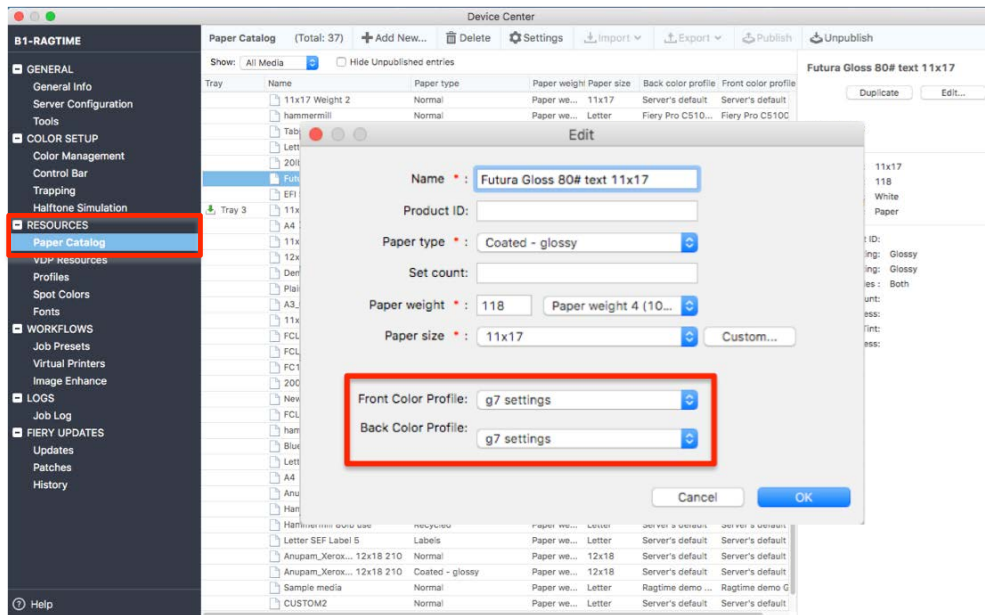
Go to Device Center



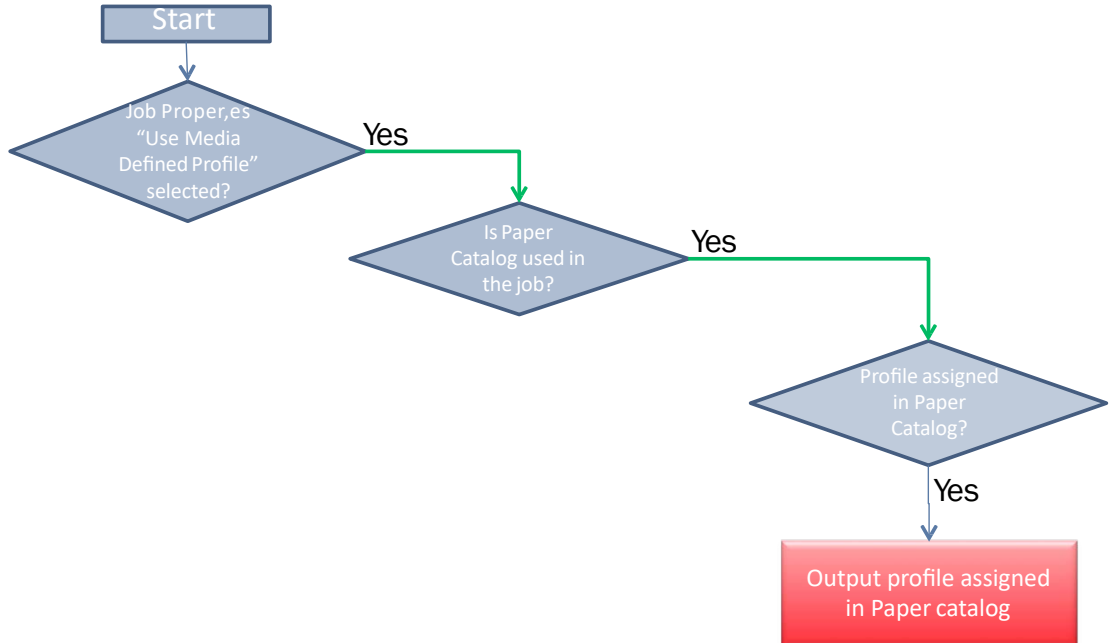
Select Paper Catalog under Resources



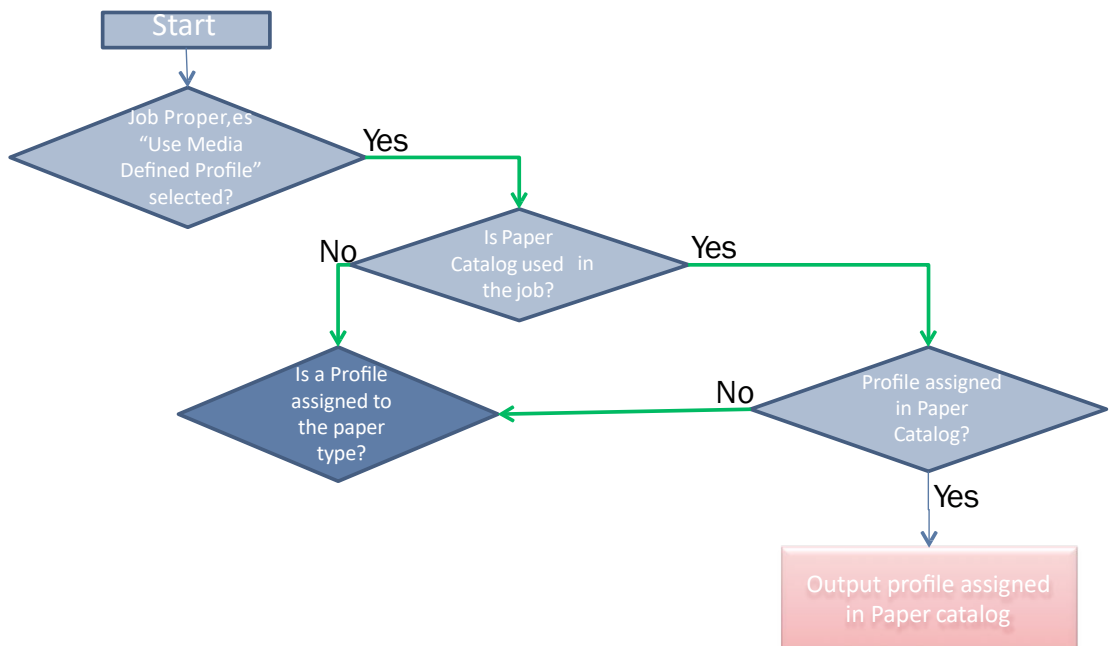
Right click to Edit and set profiles



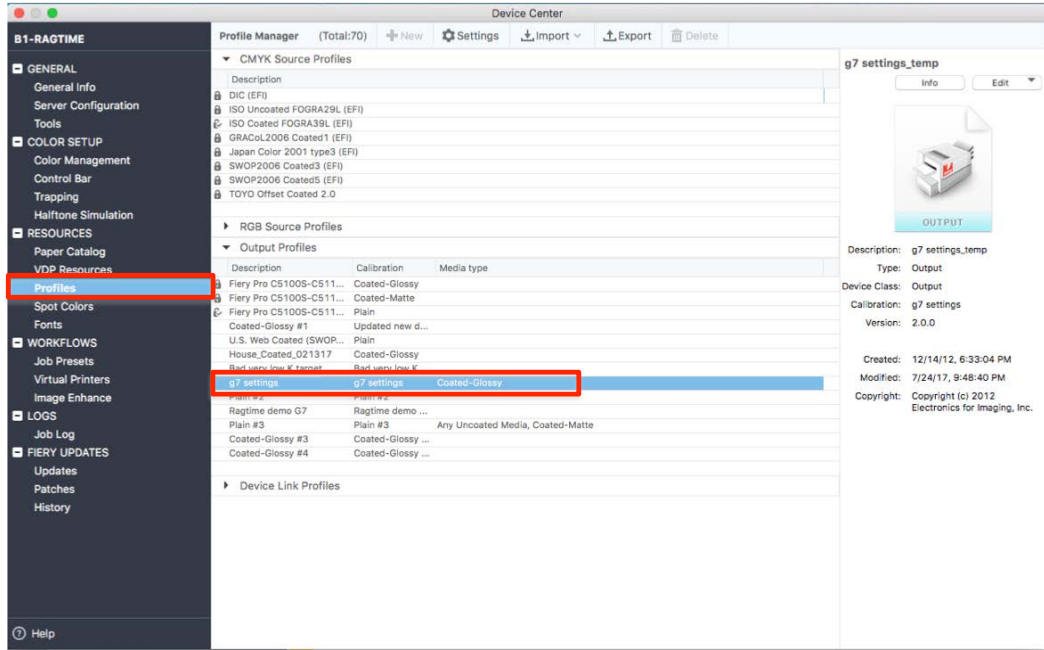
Automatic output profile selection



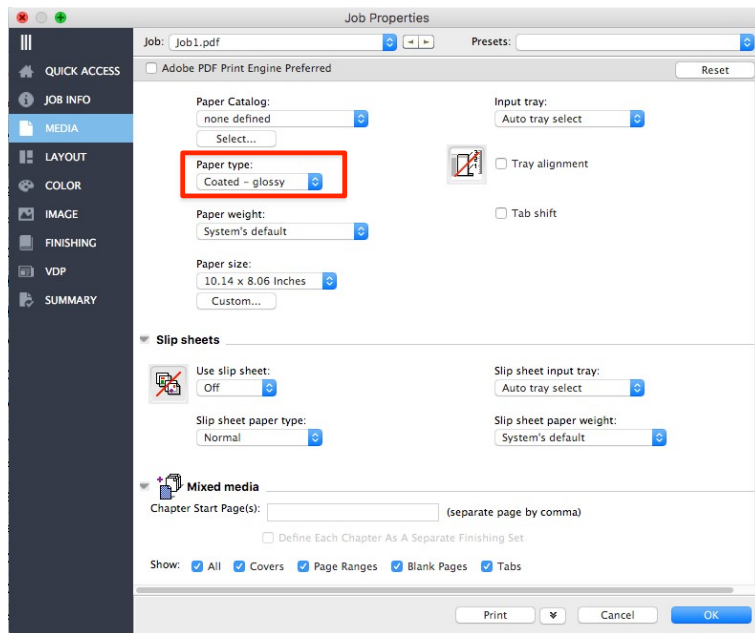
Automatic output profile selection



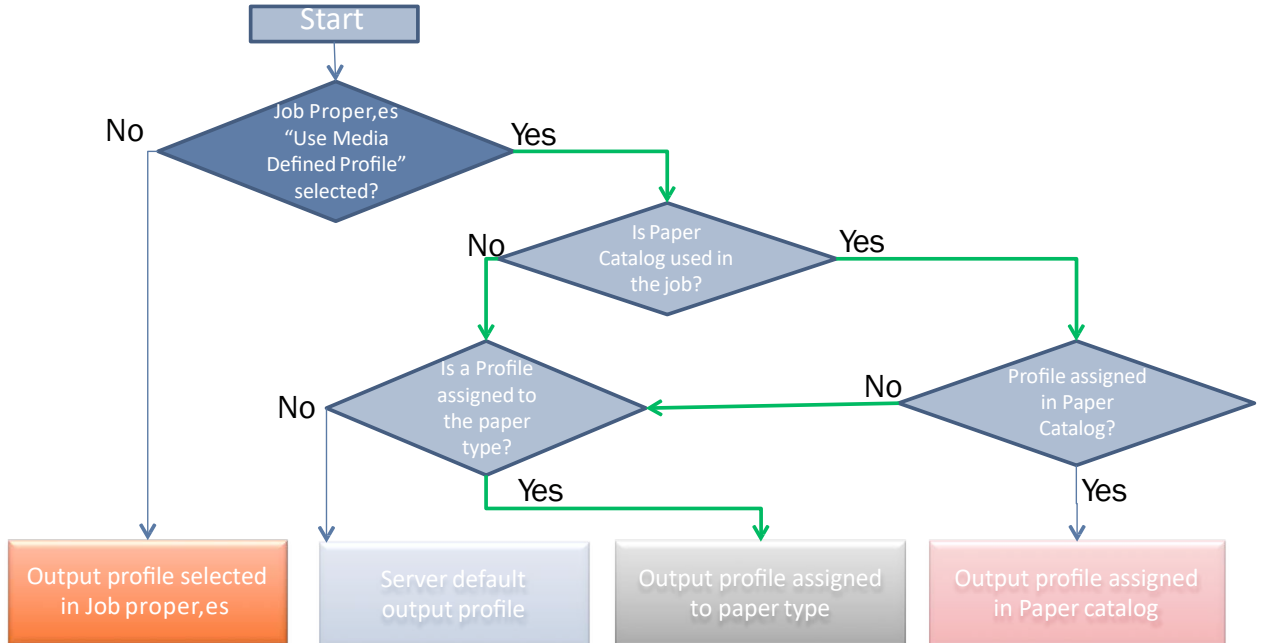
Profile assigned to media type



Automatic output profile selection



Automatic output profile selection



Fiery Command WorkStation 6 FS200 Color Settings

The screenshot shows the 'Job Properties' dialog box for 'Job: jps1.pdf'. The 'Color mode' is set to 'RGB (Adobe RGB Embedded)'. Under 'Color input', the 'RGB source' is set to 'sRGB'. The 'Output profile' is set to 'Use media defined profile'. The 'Color settings' section includes options for 'PDF/X output intent', 'Black text and graphics', 'Composite overprint', and 'Optimize RGB transparency'. The 'Color mode' section also includes options for 'Source profile', 'RGB rendering intent / CMYK processing method', 'Print gray using black only', 'Black point compensation', 'Separate RGB/Lab to CMYK source', 'Black text and graphics', 'Composite overprint', and 'Optimize RGB transparency'. The 'Output profile & calibration' section is set to 'Use media defined profile'.



Fiery Command WorkStation 6 FS200 Color Settings

Color mode

- RGB (Adobe RGB Embedded)
- CMYK/Grayscale (GRACoL 2006 Embedded)
- Spot Color

Source profile

- Adobe RGB
- GRACoL 2006

RGB rendering intent / CMYK processing method

Print gray using black only

Black point compensation

Separate RGB/Lab to CMYK source

Black text and graphics

Composite overprint

Optimize RGB transparency

Output profile & calibration

Use media defined profile

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Fiery Command WorkStation 6 FS200 Color Settings

Color mode

- RGB (Adobe RGB Embedded)
- CMYK/Grayscale (GRACoL 2006 Embedded)
- Spot Color

Source profile

- Adobe RGB
- ISO Coated FOGRA39L

RGB rendering intent / CMYK processing method

Print gray using black only

Black point compensation

Separate RGB/Lab to CMYK source

Black text and graphics

Composite overprint

Optimize RGB transparency

Output profile & calibration

Use media defined profile

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Fiery Command WorkStation 6 FS200 Color Settings

Color mode

- RGB (Adobe RGB Embedded)
- CMYK/Grayscale (GRACoL 2006 Embedded)
- Spot Color

Source profile

- Adobe RGB
- ISO Coated FOGRA39L

RGB rendering intent / CMYK processing method

- Photographic

Print gray using black only

Black point compensation

Separate RGB/Lab to CMYK source

Black text and graphics

Composite overprint

Optimize RGB transparency

Output profile & calibration

- Use media defined profile

Color settings

- PDF/X output intent
- Separate RGB/Lab to CMYK source
- Black text and graphics: Print Black On
- Black overprint (for pure black): Text/Graphics
- Composites overprint
- 2-color print mapping
- Substitute colors
- Combine separations
- Anti-trapping
- Optimize RGB transparency
- Weightedness curves: No correction

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Fiery Command WorkStation 6 FS200 Color Settings

Color mode

- RGB (Adobe RGB Embedded)
- CMYK/Grayscale (GRACoL 2006 Embedded)
- Spot Color

Source profile

- Adobe RGB
- ISO Coated FOGRA39L

RGB rendering intent / CMYK processing method

- Photographic

Print gray using black only

Black point compensation

Separate RGB/Lab to CMYK source

Black text and graphics

Composite overprint

Optimize RGB transparency

Output profile & calibration

- Use media defined profile

Color settings

- PDF/X output intent
- Separate RGB/Lab to CMYK source
- Black text and graphics: Print Black On
- Black overprint (for pure black): Text/Graphics
- Composites overprint
- 2-color print mapping
- Substitute colors
- Combine separations
- Anti-trapping
- Optimize RGB transparency
- Weightedness curves: No correction

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Fiery Command WorkStation 6 FS200 Color Settings

The screenshot shows the 'Job Properties' dialog box with the 'Color' tab selected. The 'Color mode' is set to 'CMYK'. Under 'CMYK processing method', 'Full (Output GCR) - Relative Colorimetric' is selected and highlighted with a red box. Other settings include 'Source profile' as 'ISO Coated FOGRA39L' and 'Output profile' as 'Use media defined profile'.

Color mode	RGB (Adobe RGB Embedded)	CMYK/Grayscale (GRACoL 2006 Embedded)	Spot Color
Source profile	Adobe RGB	ISO Coated FOGRA39L	
RGB rendering intent / CMYK processing method	Photographic	Full (Output GCR) - Relative Colorimetric	
Print gray using black only			
Black point compensation			
Separate RGB/Lab to CMYK source			
Black text and graphics			
Composite overprint			
Optimize RGB transparency			
Output profile & calibration	Use media defined profile		

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Fiery Command WorkStation 6 FS200 Color Settings

This screenshot is similar to the one above, but the 'CMYK processing method' dropdown menu is open, showing 'Full (Output GCR) - Relative Colorimetric' as the selected option, highlighted with a red box. Other settings remain the same.

Color mode	RGB (Adobe RGB Embedded)	CMYK/Grayscale (GRACoL 2006 Embedded)	Spot Color
Source profile	Adobe RGB	ISO Coated FOGRA39L	
RGB rendering intent / CMYK processing method	Photographic	Full (Output GCR) - Relative Colorimetric	
Print gray using black only			
Black point compensation			
Separate RGB/Lab to CMYK source			
Black text and graphics			
Composite overprint			
Optimize RGB transparency			
Output profile & calibration	Use media defined profile		

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Fiery Command WorkStation 6 FS200 Color Settings

The screenshot shows the 'Job Properties' dialog box with the 'Color' tab selected. The 'Color mode' is set to 'RGB (Adobe RGB Embedded)'. The 'Output profile' is 'Use media defined profile'. The 'Color input' section shows 'RGB source' as 'sRGB IEC61931-3' and 'CMYK source' as 'ISO Coated FOGRA39L'. The 'CMYK rendering intent' is set to 'Absolute Colorimetric', which is highlighted with a red box. The 'Print gray using black only' checkbox is checked and also highlighted with a red box. The 'Color settings' section includes options for 'Black text and graphics' and 'Composite overprint'.

Color mode	RGB (Adobe RGB Embedded)	CMYK/Grayscale (GRACoL 2006 Embedded)	Spot Color
Source profile	Adobe RGB	ISO Coated FOGRA39L	
RGB rendering intent / CMYK processing method	Photographic	Absolute Colorimetric	
Print gray using black only			
Black point compensation			
Separate RGB/Lab to CMYK source			
Black text and graphics			
Composite overprint			
Optimize RGB transparency			
Output profile & calibration	Use media defined profile		

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Fiery Command WorkStation 6 FS200 Color Settings

The screenshot shows the 'Job Properties' dialog box with the 'Color' tab selected. The 'Color mode' is set to 'RGB (Adobe RGB Embedded)'. The 'Output profile' is 'Use media defined profile'. The 'Color input' section shows 'RGB source' as 'sRGB IEC61931-3' and 'CMYK source' as 'ISO Coated FOGRA39L'. The 'CMYK rendering intent' is set to 'Full (Output GCR) - Relative Colorimetric', which is highlighted with a red box. The 'Print gray using black only' checkbox is checked. The 'Color settings' section includes options for 'Black text and graphics' and 'Composite overprint'.

Color mode	RGB (Adobe RGB Embedded)	CMYK/Grayscale (GRACoL 2006 Embedded)	Spot Color
Source profile	Adobe RGB	ISO Coated FOGRA39L	
RGB rendering intent / CMYK processing method	Photographic	Full (Output GCR) - Relative Colorimetric	
Print gray using black only			
Black point compensation			
Separate RGB/Lab to CMYK source			
Black text and graphics			
Composite overprint			
Optimize RGB transparency			
Output profile & calibration	Use media defined profile		

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Fiery Command WorkStation 6 FS200 Color Settings

The screenshot shows the 'Job Properties' dialog box with the 'Color mode' set to 'RGB (Adobe RGB Embedded)'. The 'Print gray using black only' option is checked, and a red box highlights the settings: 'Print RGB gray using black only' (checked), 'Text/Graphics' (checked), and 'Text/Graphics/Images' (checked).

Color mode	RGB (Adobe RGB Embedded)	CMYK/Grayscale (GRACoL 2006 Embedded)	Spot Color
Source profile	Adobe RGB	ISO Coated FOGRA39L	
RGB rendering intent / CMYK processing method	Photographic	Full (Output GCR) – Relative Colorimetric	
Print gray using black only	K only output for RGB text/graphics R = G = B		
Black point compensation			
Separate RGB/Lab to CMYK source			
Black text and graphics			
Composite overprint			
Optimize RGB transparency			
Output profile & calibration	Use media defined profile		

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Fiery Command WorkStation 6 FS200 Color Settings

The screenshot shows the 'Job Properties' dialog box with the 'Color mode' set to 'CMYK/Grayscale (GRACoL 2006 Embedded)'. The 'Print gray using black only' option is checked, and a red box highlights the settings: 'Print CMYK gray using black only' (checked), 'Text/Graphics' (checked), and 'Text/Graphics/Images' (checked).

Color mode	RGB (Adobe RGB Embedded)	CMYK/Grayscale (GRACoL 2006 Embedded)	Spot Color
Source profile	Adobe RGB	ISO Coated FOGRA39L	
RGB rendering intent / CMYK processing method	Photographic	Full (Output GCR) – Relative Colorimetric	
Print gray using black only	K only output for RGB text/graphics R = G = B	K only output for CMYK text/graphics/images C,M,Y= 0% K= x%	
Black point compensation			
Separate RGB/Lab to CMYK source			
Black text and graphics			
Composite overprint			
Optimize RGB transparency			
Output profile & calibration	Use media defined profile		

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Fiery Command WorkStation 6 FS200 Color Settings

Color mode	RGB (Adobe RGB Embedded)	CMYK/Grayscale (GRACoL 2006 Embedded)	Spot Color
Source profile	Adobe RGB	ISO Coated FOGRA39L	
RGB rendering intent / CMYK processing method	Photographic	Full (Output GCR) – Relative Colorimetric	
Print gray using black only	K only output for RGB text/graphics R = G = B	K only output for CMYK text/graphics/images C,M,Y = 0% K= x%	
Black point compensation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Separate RGB/Lab to CMYK source			
Black text and graphics			
Composite overprint			
Optimize RGB transparency			
Output profile & calibration	Use media defined profile		

Color mode

- Color mode: CMYK
- Output profile: Use media defined profile
- Color input: RGB Lab, CMYK
- Black point compensation:
- Spot color: Spot color matching

Color settings

- PDF/X output intent: No conversion
- Separate RGB/Lab to CMYK source:
- Black text and graphics: Print Black On
- Black separate (for pure black):
- Composite overprint:
- 2-color print mapping:
- Substitute colors:
- Combine separations:
- Anti-trapping:
- Outline RGB transparency:

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Fiery Command WorkStation 6 FS200 Color Settings

Color mode	RGB (Adobe RGB Embedded)	CMYK/Grayscale (GRACoL 2006 Embedded)	Spot Color
Source profile	Adobe RGB	ISO Coated FOGRA39L	
RGB rendering intent / CMYK processing method	Photographic	Full (Output GCR) – Relative Colorimetric	
Print gray using black only	K only output for RGB text/graphics R = G = B	K only output for CMYK text/graphics/images C,M,Y = 0% K= x%	
Black point compensation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Separate RGB/Lab to CMYK source			
Black text and graphics			
Composite overprint			
Optimize RGB transparency			
Output profile & calibration	Use media defined profile		

Color mode

- Color mode: CMYK
- Output profile: Use media defined profile
- Color input: RGB Lab, CMYK
- Black point compensation:
- Spot color: Spot color matching

Color settings

- PDF/X output intent: No conversion
- Separate RGB/Lab to CMYK source:
- Black text and graphics: Print Black On
- Black separate (for pure black):
- Composite overprint:
- 2-color print mapping:
- Substitute colors:
- Combine separations:
- Anti-trapping:
- Outline RGB transparency:

Spot Color

- Fiery spot color table (linked to output profile)

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Fiery Command WorkStation 6 FS200 Color Settings

	RGB (Adobe RGB Embedded)	CMYK/Grayscale (GRACoL 2006 Embedded)	
Color mode			
Source profile	Adobe RGB	ICC from PDF/X output intent	
RGB rendering intent / CMYK processing method	Photographic	Full (Output GCR) – Relative Colorimetric	
Print gray using black only	K only output for RGB text/graphics R = G = B	K only output for CMYK text/graphics/images C,M,Y= 0% K= x%	
Black point compensation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	 Fiery spot color table (linked to output profile)
Separate RGB/Lab to CMYK source			
Black text and graphics			
Composite overprint			
Optimize RGB transparency			
Output profile & calibration	Use media defined profile		

Fiery Command WorkStation 6 FS200 Color Settings

	RGB (Adobe RGB Embedded)	CMYK/Grayscale (GRACoL 2006 Embedded)	
Color mode			
Source profile	Adobe RGB	ISO Coated FOGRA39L	
RGB rendering intent / CMYK processing method	Photographic	Full (Output GCR) – Relative Colorimetric	
Print gray using black only	K only output for RGB text/graphics R = G = B	K only output for CMYK text/graphics/images C,M,Y= 0% K= x%	
Black point compensation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	 Fiery spot color table (linked to output profile)
Separate RGB/Lab to CMYK source			
Black text and graphics			
Composite overprint			
Optimize RGB transparency			
Output profile & calibration	Use media defined profile		

Fiery Command WorkStation 6 FS200 Color Settings

Color mode	RGB (Adobe RGB Embedded)	CMYK/Grayscale (GRACoL 2006 Embedded)	Spot Color
Source profile	Adobe RGB	ISO Coated FOGRA39L	
RGB rendering intent / CMYK processing method	Photographic	Full (Output GCR) – Relative Colorimetric	
Print gray using black only	K only output for RGB text/graphics R = G = B	K only output for CMYK text/graphics/images C,M,Y= 0% K= x%	
Black point compensation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Separate RGB/Lab to CMYK source	<input checked="" type="checkbox"/> Convert RGB to default CMYK input profile then to output profile		
Black text and graphics			Fiery spot color table (linked to output profile)
Composite overprint			
Optimize RGB transparency			
Output profile & calibration	Use media defined profile		

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Fiery Command WorkStation 6 FS200 Color Settings

Color mode	RGB (Adobe RGB Embedded)	CMYK/Grayscale (GRACoL 2006 Embedded)	Spot Color
Source profile	Adobe RGB	ISO Coated FOGRA39L	
RGB rendering intent / CMYK processing method	Photographic	Full (Output GCR) – Relative Colorimetric	
Print gray using black only	K only output for RGB text/graphics R = G = B	K only output for CMYK text/graphics/images C,M,Y= 0% K= x%	
Black point compensation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Separate RGB/Lab to CMYK source	<input checked="" type="checkbox"/>		
Black text and graphics			Fiery spot color table (linked to output profile)
Composite overprint			
Optimize RGB transparency			
Output profile & calibration	Use media defined profile		

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Fiery Command WorkStation 6 FS200 Color Settings

Color mode	RGB (Adobe RGB Embedded)	CMYK/Grayscale (GRACoL 2006 Embedded)	Spot Color
Source profile	Adobe RGB	ISO Coated FOGRA39L	
RGB rendering intent / CMYK processing method	Photographic	Full (Output GCR) – Relative Colorimetric	
Print gray using black only	K only output for RGB text/graphics R = G = B	K only output for CMYK text/graphics/images C,M,Y = 0% K = x%	
Black point compensation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Separate RGB/Lab to CMYK source			
Black text and graphics	R,G,B = 0 prints as K only	100% K prints as K only	
Composite overprint			
Optimize RGB transparency			
Output profile & calibration	Use media defined profile		

Color settings (from screenshot):

- Color mode: CMYK
- Output profile: Use media defined profile
- Color input: RGB Lab, RGB source: sRGB IEC61930, CMYK source: ISO Coated FOGRA39L, CMYK processing method: Full (Output GCR)
- Color settings: **Black text and graphics: Print Black On: Normal**

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Fiery Command WorkStation 6 FS200 Color Settings

Color mode	RGB (Adobe RGB Embedded)	CMYK/Grayscale (GRACoL 2006 Embedded)	Spot Color
Source profile	Adobe RGB	ISO Coated FOGRA39L	
RGB rendering intent / CMYK processing method	Photographic	Full (Output GCR) – Relative Colorimetric	
Print gray using black only	K only output for RGB text/graphics R = G = B	K only output for CMYK text/graphics/images C,M,Y = 0% K = x%	
Black point compensation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Separate RGB/Lab to CMYK source			
Black text and graphics	R,G,B = 0 prints as K only	100% K prints as K only	
Composite overprint			
Optimize RGB transparency			
Output profile & calibration	Use media defined profile		

Color settings (from screenshot):

- Color mode: CMYK
- Output profile: Use media defined profile
- Color input: RGB Lab, RGB source: sRGB IEC61930, CMYK source: ISO Coated FOGRA39L, CMYK processing method: Full (Output GCR)
- Color settings: **Black text and graphics: Print Black On: Normal**

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Fiery Command WorkStation 6 FS200 Color Settings

Color mode	RGB (Adobe RGB Embedded)	CMYK/Grayscale (GRACoL 2006 Embedded)	Spot Color
Source profile	Adobe RGB	ISO Coated FOGRA39L	
RGB rendering intent / CMYK processing method	Photographic	Full (Output GCR) – Relative Colorimetric	
Print gray using black only	K only output for RGB text/graphics R = G = B	K only output for CMYK text/graphics/images C,M,Y= 0% K= x%	
Black point compensation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Separate RGB/Lab to CMYK source			
Black text and graphics	R,G,B = 0 prints as K only & Overprints (text)	100% K prints as K only & Overprints (text)	
Composite overprint			
Optimize RGB transparency			
Output profile & calibration	Use media defined profile		

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Fiery Command WorkStation 6 FS200 Color Settings

Color mode	RGB (Adobe RGB Embedded)	CMYK/Grayscale (GRACoL 2006 Embedded)	Spot Color
Source profile	Adobe RGB	ISO Coated FOGRA39L	
RGB rendering intent / CMYK processing method	Photographic	Full (Output GCR) – Relative Colorimetric	
Print gray using black only	K only output for RGB text/graphics R = G = B	K only output for CMYK text/graphics/images C,M,Y= 0% K= x%	
Black point compensation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Separate RGB/Lab to CMYK source			
Black text and graphics	R,G,B = 0 prints as K only & Overprints (text)	100% K prints as K only & Overprints (text)	
Composite overprint		<input checked="" type="checkbox"/>	
Optimize RGB transparency			
Output profile & calibration	Use media defined profile		

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Fiery Command WorkStation 6 FS200 Color Settings

Color mode	RGB (Adobe RGB Embedded)	CMYK/Grayscale (GRACoL 2006 Embedded)	Spot Color
Source profile	Adobe RGB	ISO Coated FOGRA39L	
RGB rendering intent / CMYK processing method	Photographic	Full (Output GCR) – Relative Colorimetric	
Print gray using black only	K only output for RGB text/graphics R = G = B	K only output for CMYK text/graphics/images C,M,Y = 0% K= x%	
Black point compensation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Separate RGB/Lab to CMYK source			
Black text and graphics	R,G,B = 0 prints as K only & Overprints (text)	100% K prints as K only & Overprints (text)	
Composite overprint		<input checked="" type="checkbox"/>	
Optimize RGB transparency	<input checked="" type="checkbox"/>		
Output profile & calibration	Use media defined profile		

Fiery spot color table (linked to output profile)

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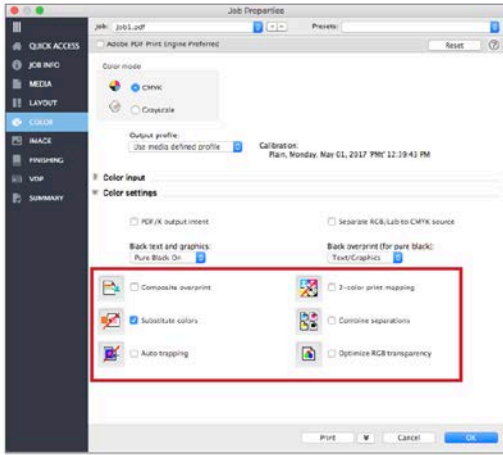
Fiery Command WorkStation 6 Color Settings

2-color print mapping – Allows operators to replace the black and a specific color of a two-color job with the required spot colors, without modifying the original job. Ensures accurate spot color matching from Fiery Spot-On when printing the final spot colors.

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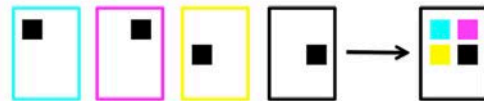
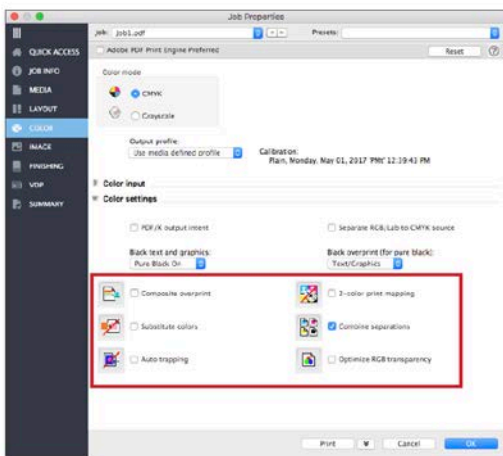
Fiery Command WorkStation 6 Color Settings



Substitute colors – Allows specific RGB or CMYK color tints in source documents to be mapped to specific CMYK tints on printed output.



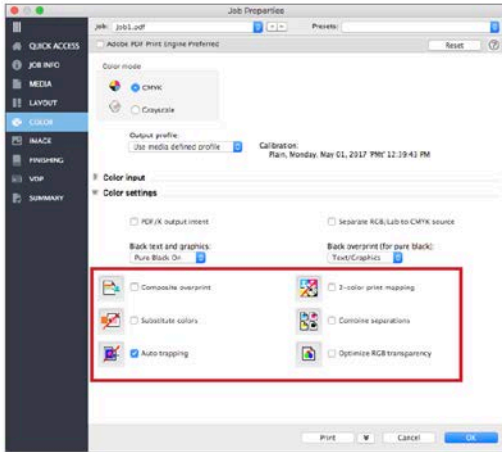
Fiery Command WorkStation 6 Color Settings



Combine separations – Combines legacy preprepared PostScript files so that each page prints as one composite CMYK page rather than four separations.



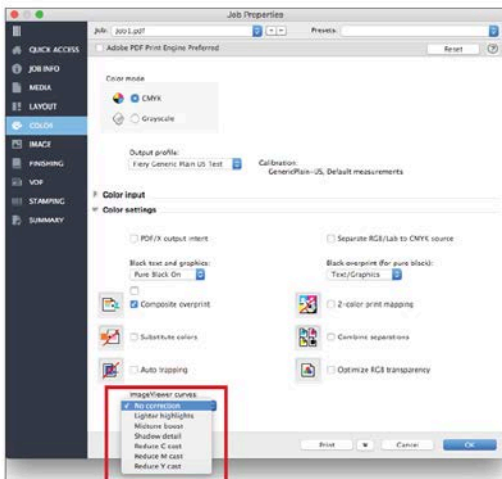
Fiery Command WorkStation 6 Color Settings



Auto trapping – Operators can achieve professional-level results without the tools and knowledge required for conventional trapping. The feature automatically traps adjacent color objects by spreading the lighter color at each boundary into the darker color adjacent to it. Trapping is used so that the paper white gap is not seen between adjacent color objects if there is slight misregistration on press.



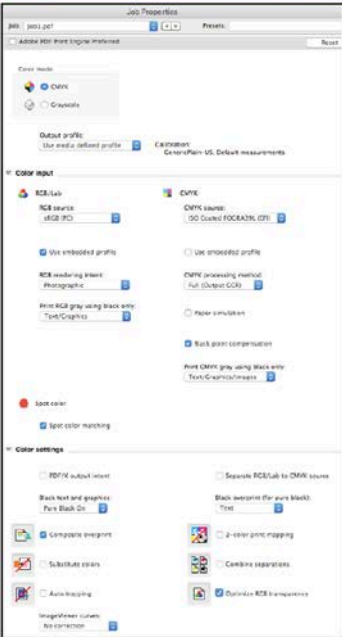
Fiery Command WorkStation 6 Color Settings



ImageViewer curves – Enables users to apply color curves on a per job or per workflow basis. Factory defaults are provided for common adjustments such as midtone boost, and reduce color cast. Customers with Graphic Arts Package, Premium Edition can create custom curves in Fiery ImageViewer that can be selected in Job Properties via ImageViewer curves control.





Fiery Command WorkStation 6 FS200 Color Settings – Best Practice Settings



Color mode	RGB (Adobe RGB Embedded)	CMYK/Grayscale (GRACoL 2006 Embedded)	Spot Color
Source profile	Adobe RGB	ISO Coated FOGRA39L	
RGB rendering intent / CMYK processing method	Photographic	Full (Output GCR) – Relative Colorimetric	
Print gray using black only	K only output for RGB text/graphics R = G = B	K only output for CMYK text/graphics/images C,M,Y = 0% K = x%	
Black point compensation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Separate RGB/Lab to CMYK source			
Black text and graphics	R,G,B = 0 prints as K only & Overprints (text)	100% K prints as K only & Overprints (text)	
Composite overprint		<input checked="" type="checkbox"/>	
Optimize RGB transparency	<input checked="" type="checkbox"/>		
Output profile & calibration	Use media defined profile		

Fiery spot color table (linked to output profile)

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How to create a preset for best practices

Next: Server defaults



How to set server defaults



Next: Taking it a step further



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What we learned & resources



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What we learned

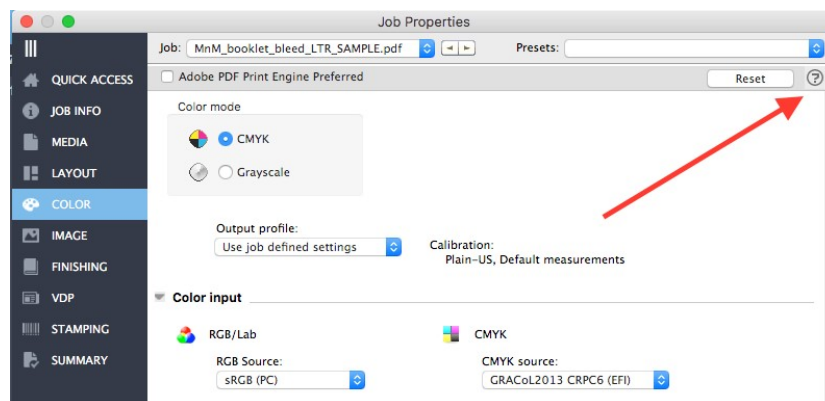
- Command WorkStation 6 new color tab interface
 - How to get to settings
- Color flowchart
 - Description of color settings
 - How to set new workflow that complies with local standards
 - Importance of making custom profiles
 - Best practice color settings
 - Server defaults
- Next - Resources



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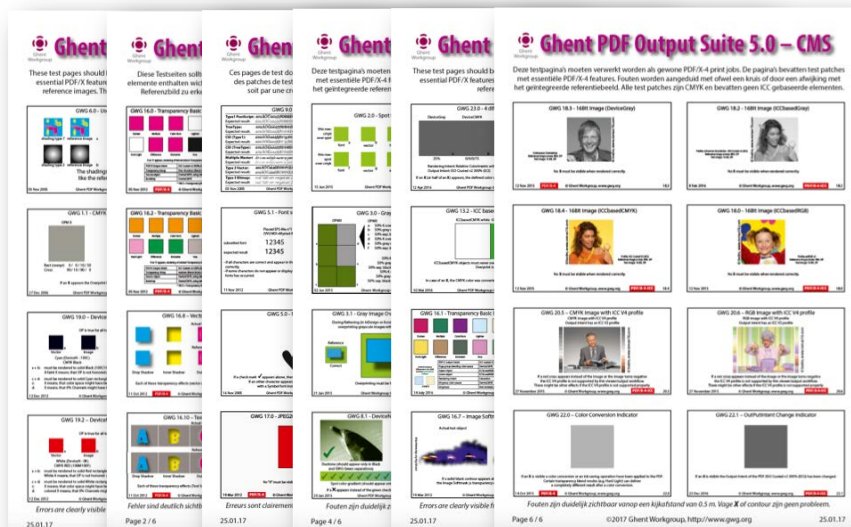
Resources

- In product help
 - Help from Set Defaults and Job Properties color tab

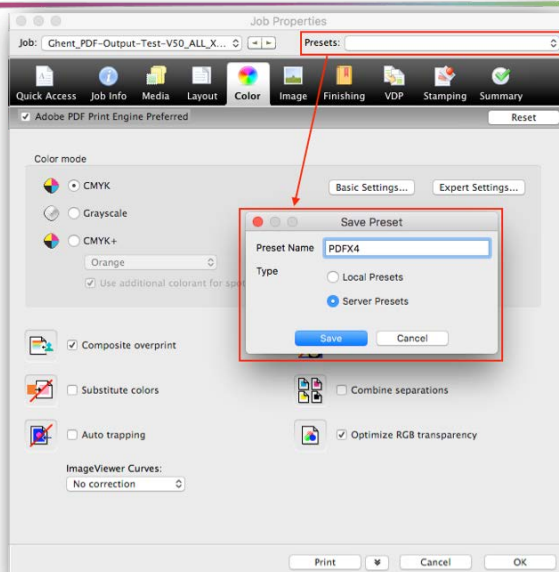


28

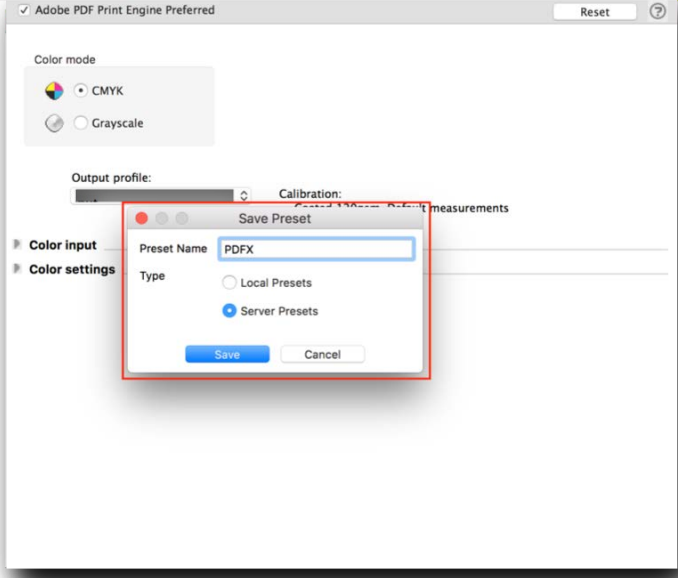
Ghent Suite – PDFX4



How: PDF/X-4 print on Fiery - CWS5



How: PDF/X-4 print on Fiery – CWS6



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fiery

GWG
Global PDF Output Suite 1
Complete

Adobe
PDF Print Engine

Which Fiery supports PDF/X-4?

- Fiery System FS100, 150, 200 and higher
- All external Fierys



Fiery Command WorkStation 6

Your interface to higher productivity



Are you interested in improving your print environment at zero cost?

- More productive and efficient
- Modern and intuitive interfaces
- Minimal training required



Fiery Command WorkStation 6

Manage print jobs faster, boost print production

- Smooth and quick upgrade process
- More intuitive and easy to use
- More efficient and productive
- New tools for managers
- Future ready



Fiery Command WorkStation 6



- Find jobs faster to take quick action
- Faster access to tools



- Faster color set up
- More consistent output across jobs

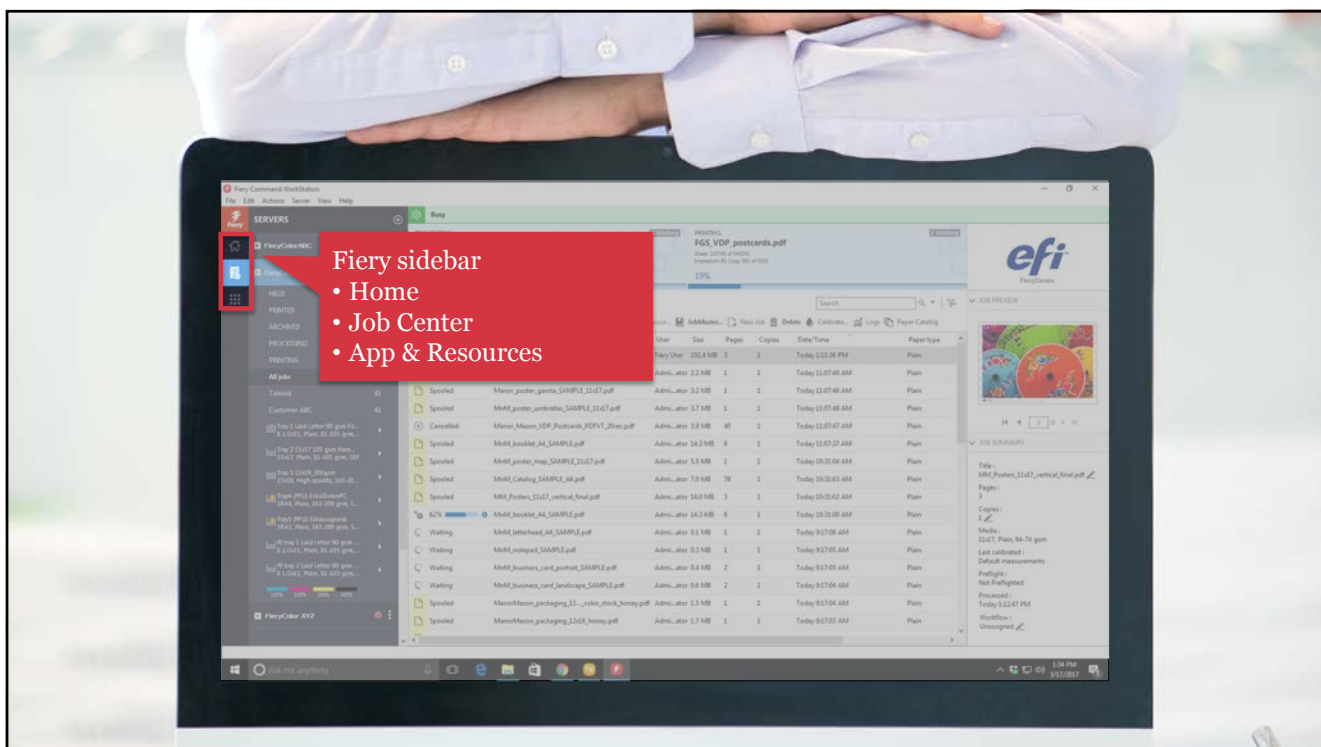
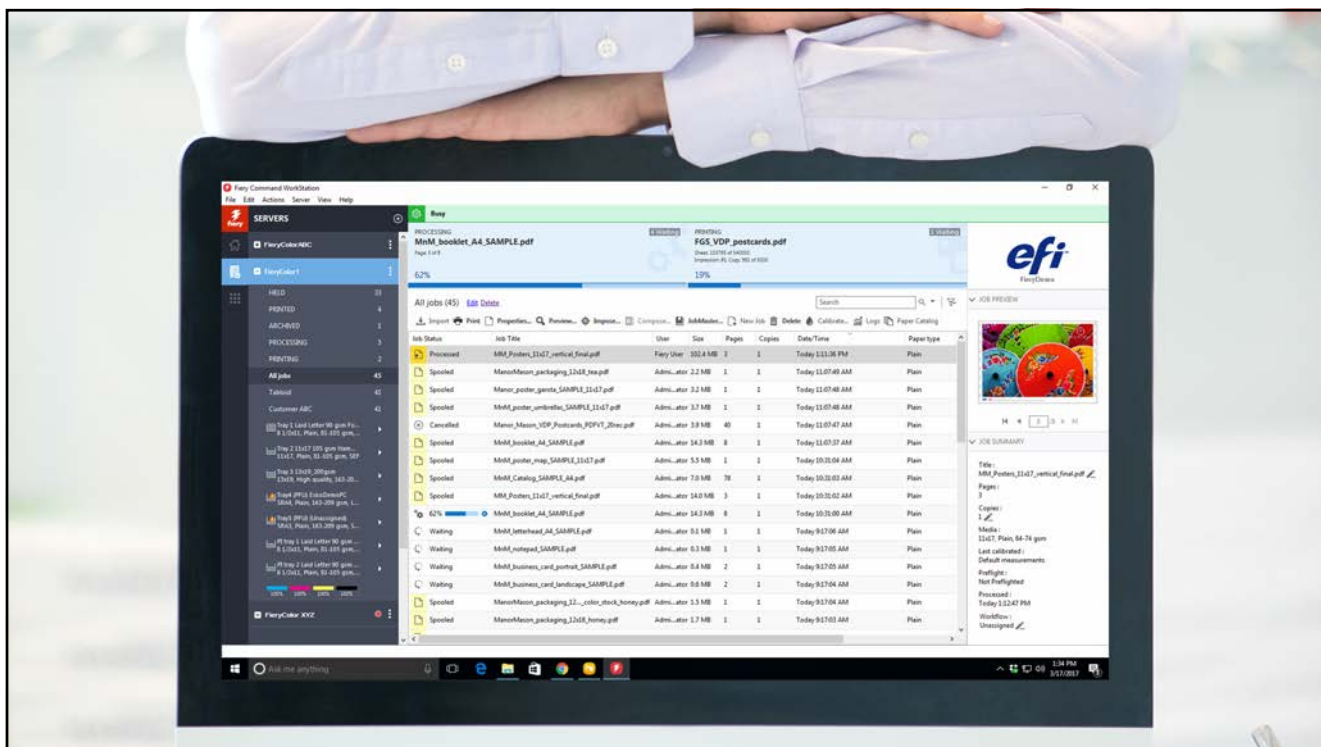


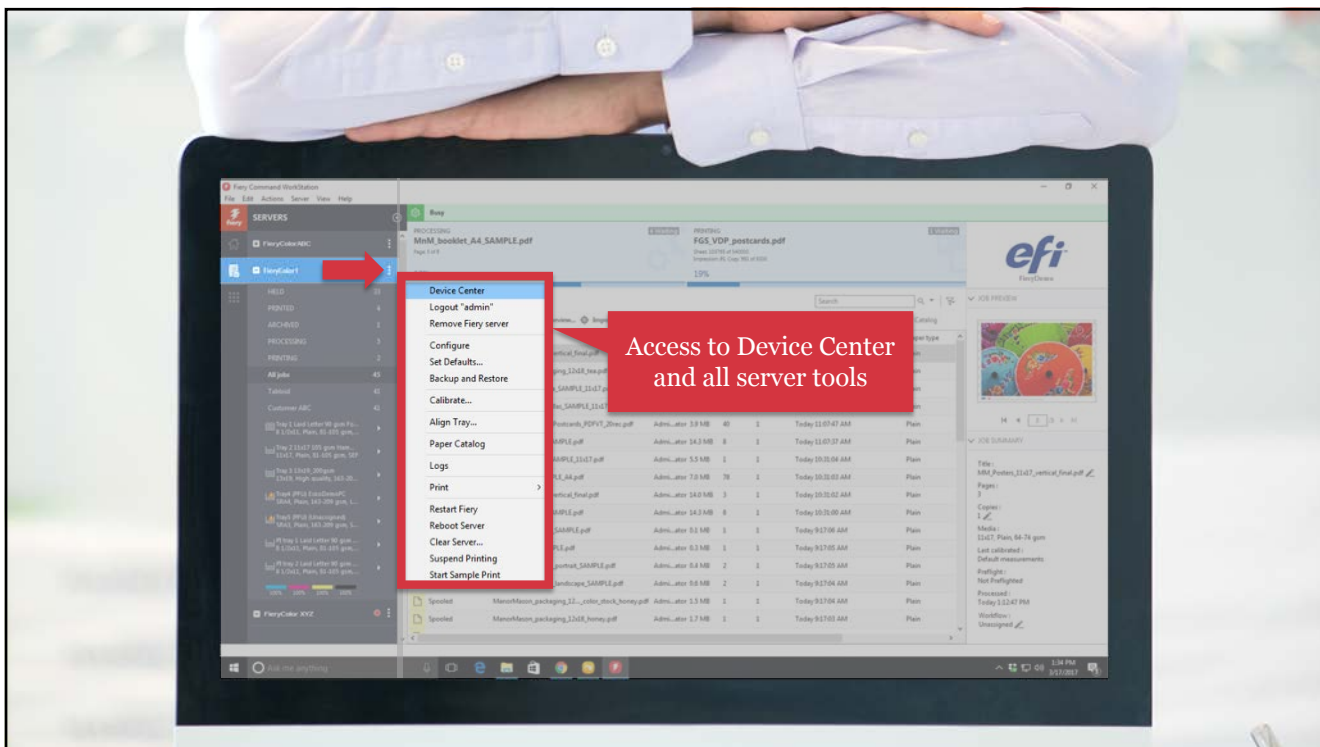
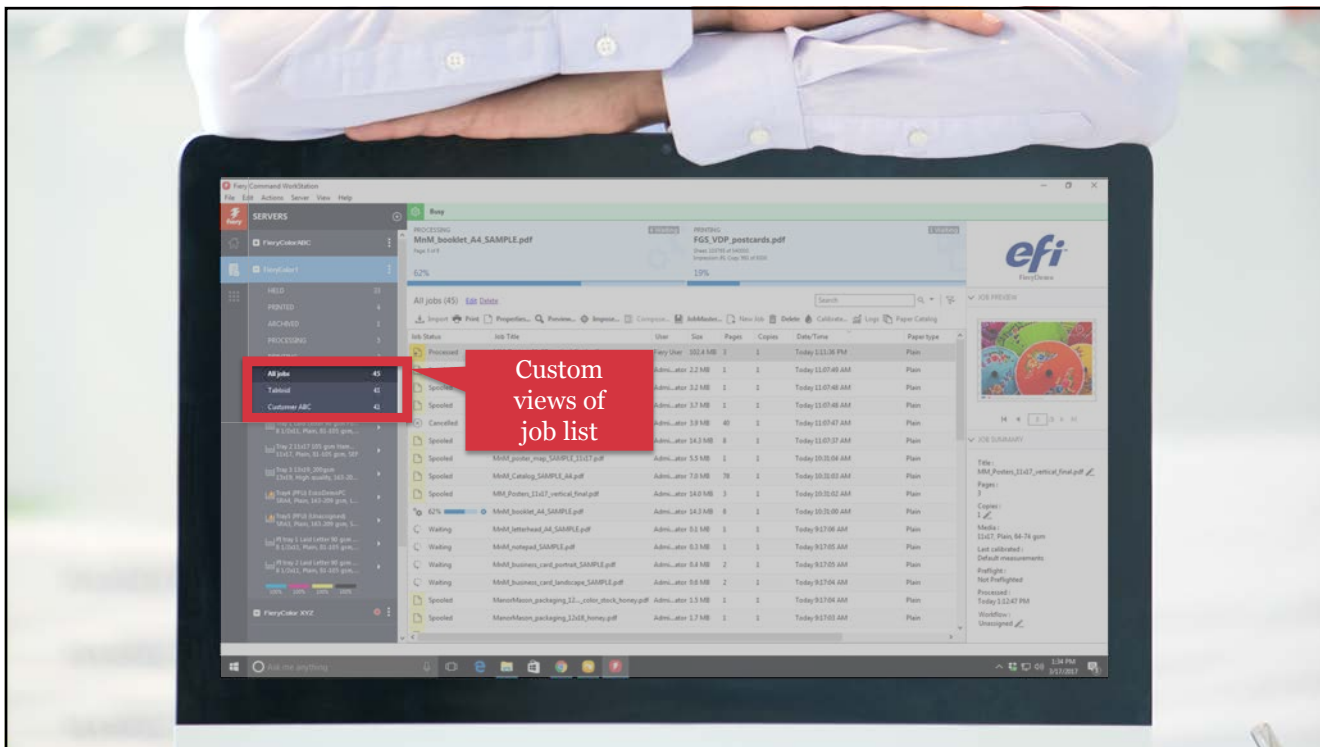
- Modern interface improves ease of use
- Smooth process to install and upgrade
- Print complex documents faster

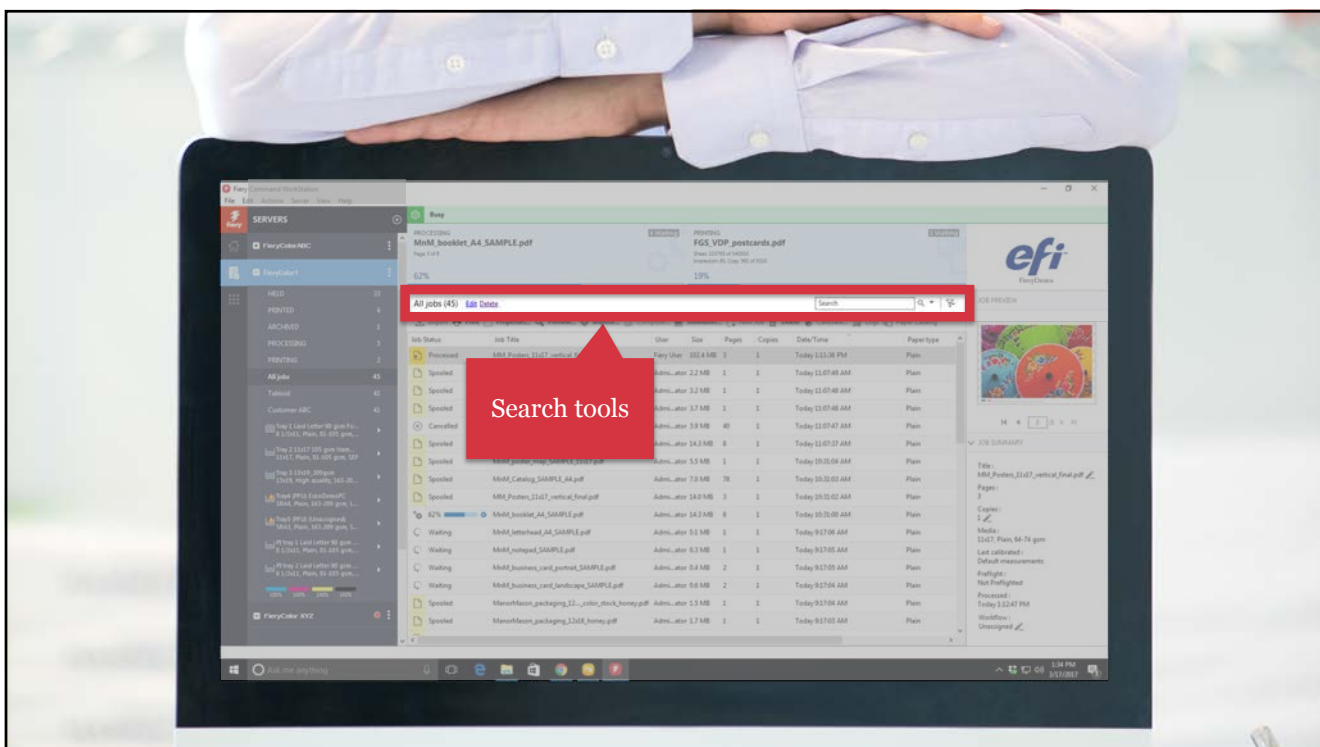
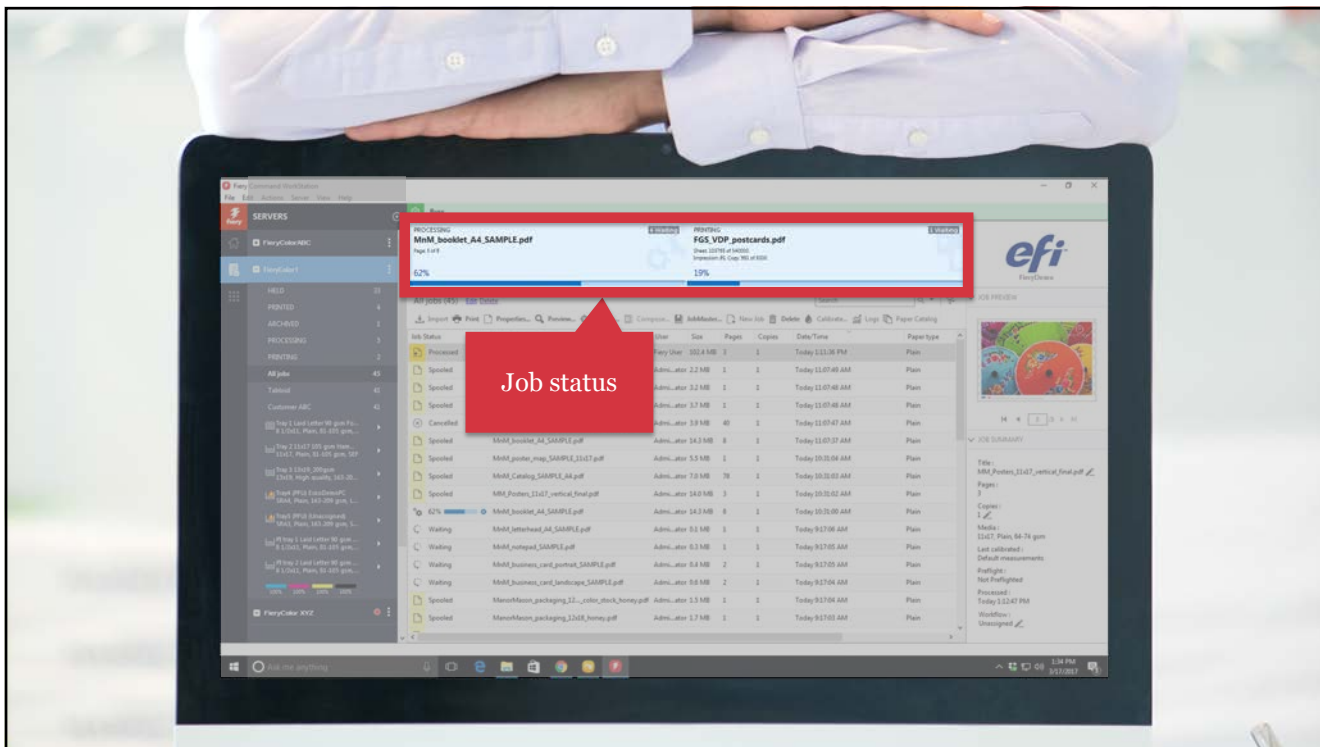


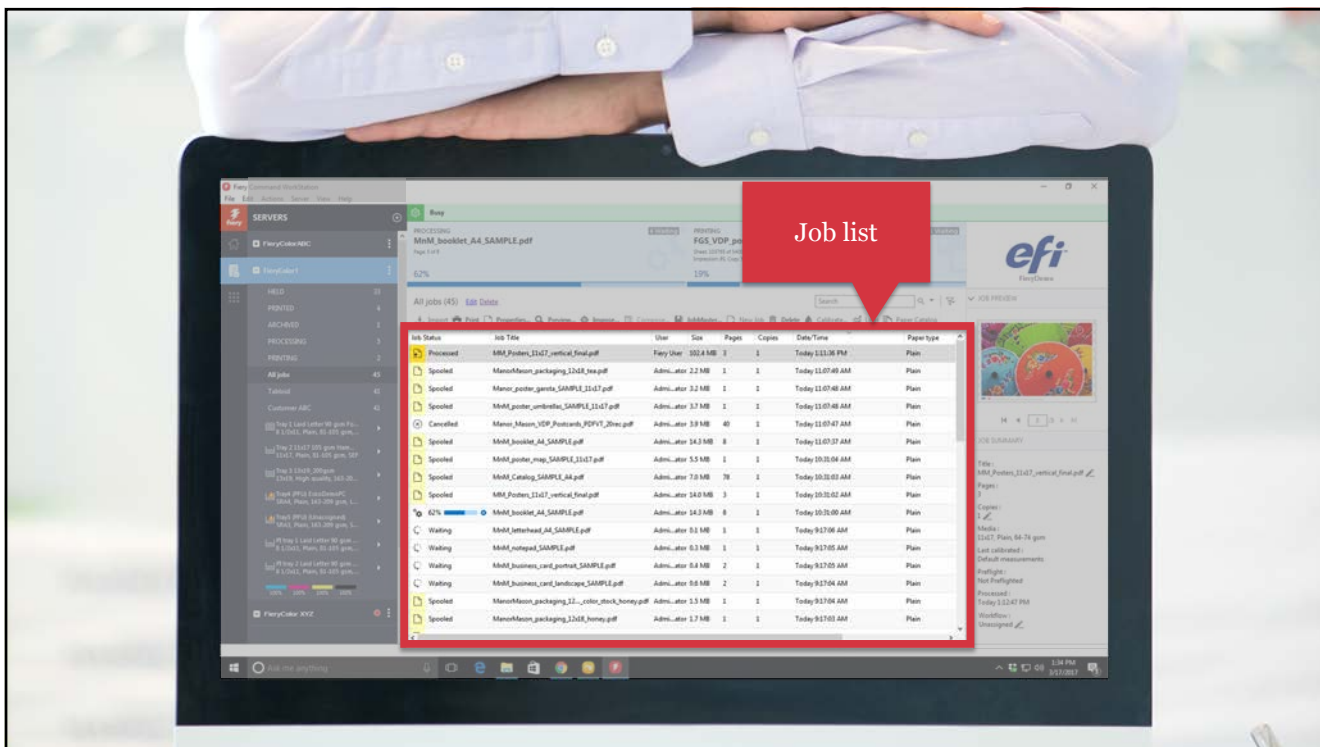
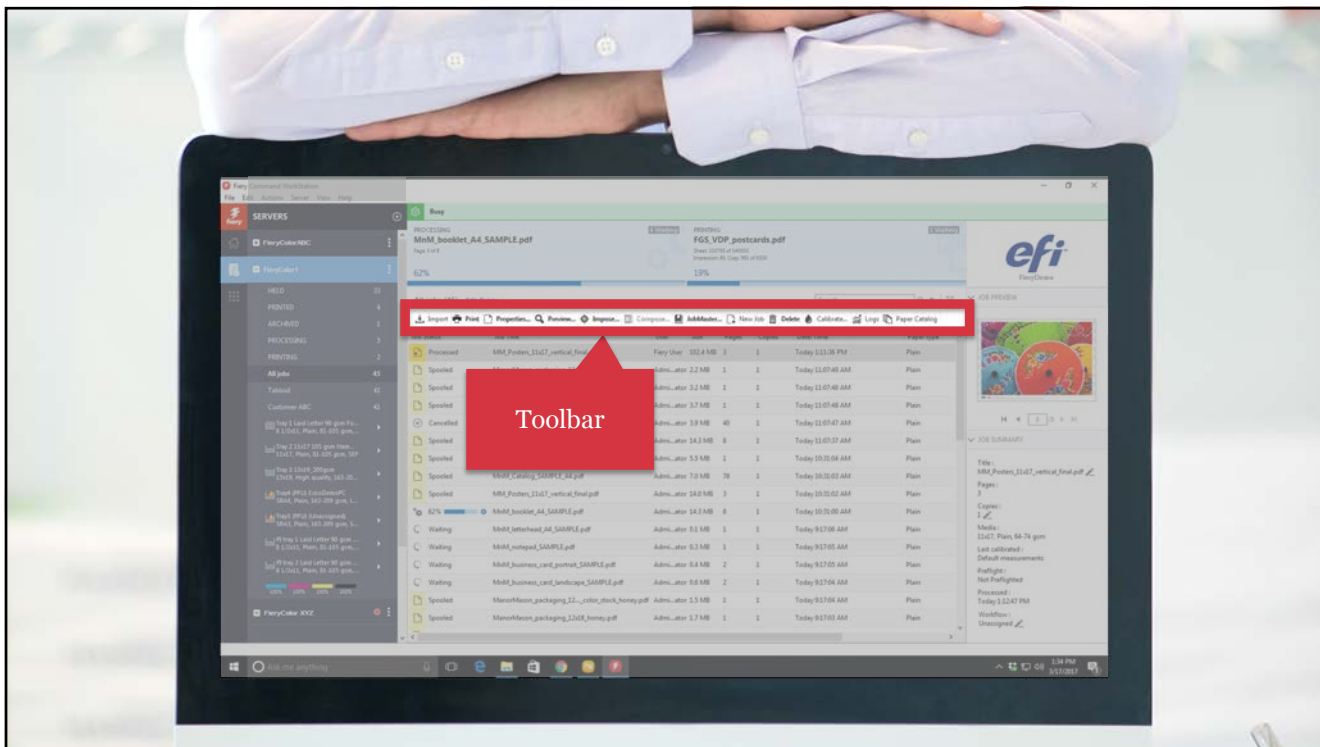
- Easily keep Fiery servers up to date
- View key print production statistics
- Fiery JDF and API enhancements

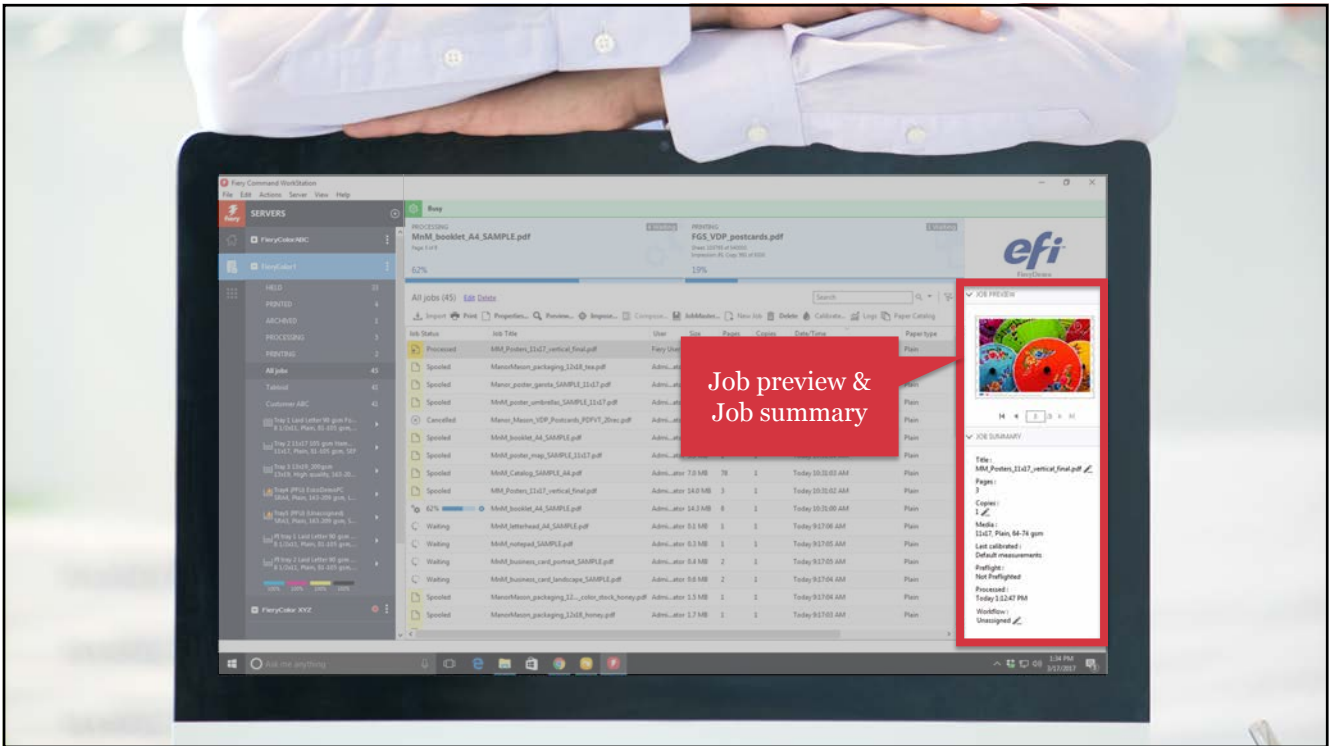












Fiery Command WorkStation 6 New feature highlights

Your interface to higher productivity



Quick specs

- Compatible with Fiery system 10/10e+
- Installs on Mac 10.9+, Windows 7+
- Installs and upgrades with Fiery Software Manager
- Does not connect to Fiery System 9/9e R2 and below or Fiery Central servers

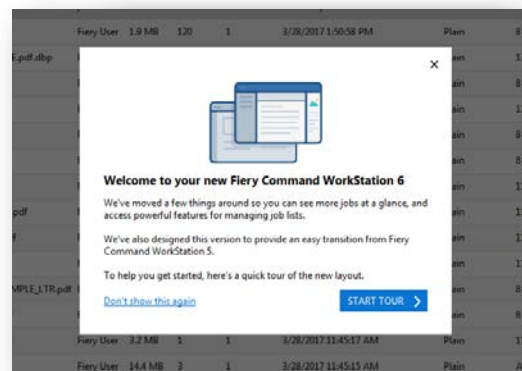


81

Smooth and quick upgrade process



- Retains client settings to resume operations fast
- Fiery Software Manager replaces Fiery Extended Applications with Fiery Command WorkStation Package
 - Includes Fiery Hot Folders
 - Fiery Remote Scan is a standalone application
- Get users started fast with quick welcome tour



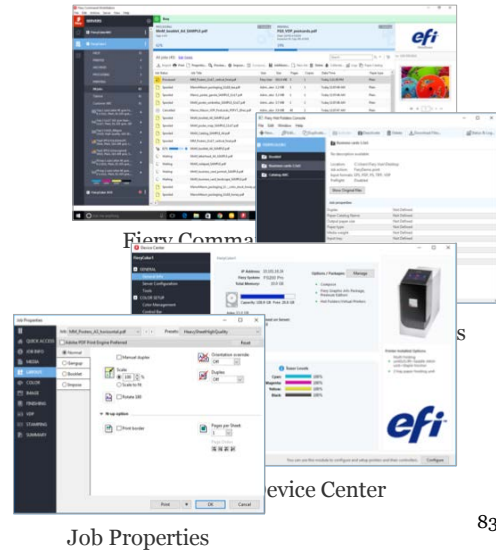
Welcome Tour



More intuitive and easy to use



- Modern and clean user interface
 - Left to right navigation
 - Consistent with many modern applications
 - Shortens learning curve



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More efficient and productive



- Four ways to search jobs
 - Take quicker action and increase throughput
 - Customize job views for prioritization and planning
 - Increase visibility and control



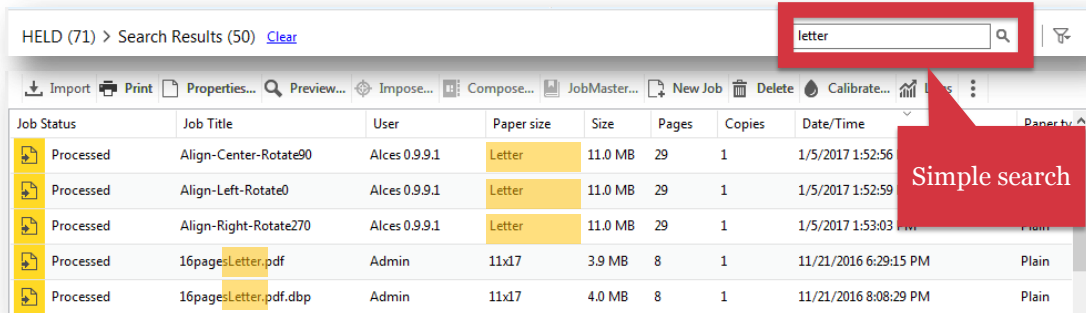
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84

Flexible job search functions



1. Simple search



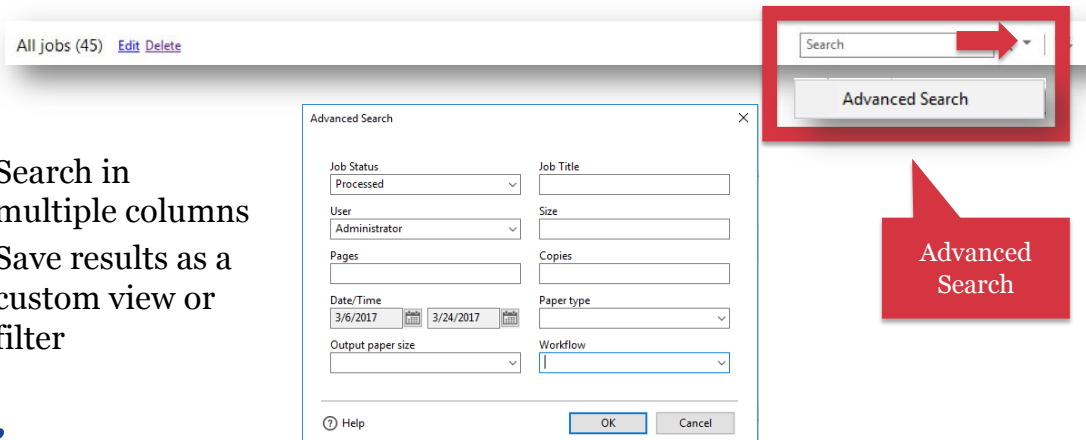
Find jobs containing the search text in any of the columns in the current view



Flexible job search functions



2. Advanced Search



- Search in multiple columns
- Save results as a custom view or filter



Flexible job search functions

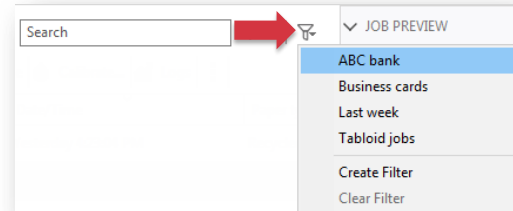


3. Custom filters

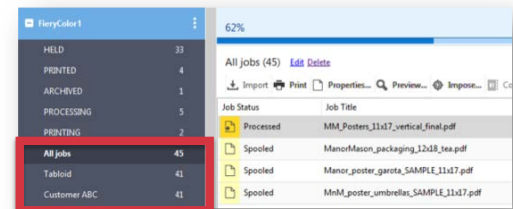
- Apply search criteria to the currently selected queue

4. Custom views

- Find jobs in all queues that comply with the search criteria



Custom filters



Custom views



87

More efficient and productive



- Faster access to tools and settings
 - Apps & Resources
 - Set server defaults
 - Inline editing
 - Faster color setup

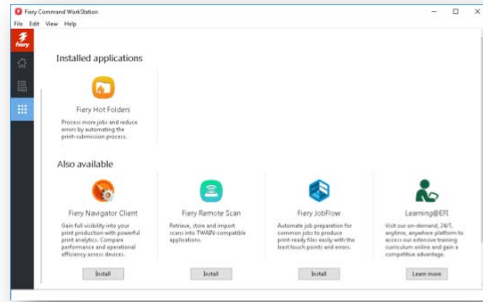


88

Apps & Resources



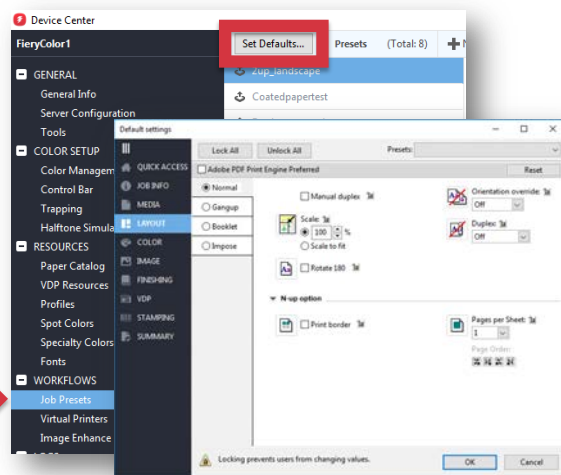
- One-click access to installed applications
- Increases awareness of other available tools and educational resources



Edit server defaults



- New way to edit server defaults
- Centralizes all settings in Job Properties
- Guarantees jobs comply with standard print requirements



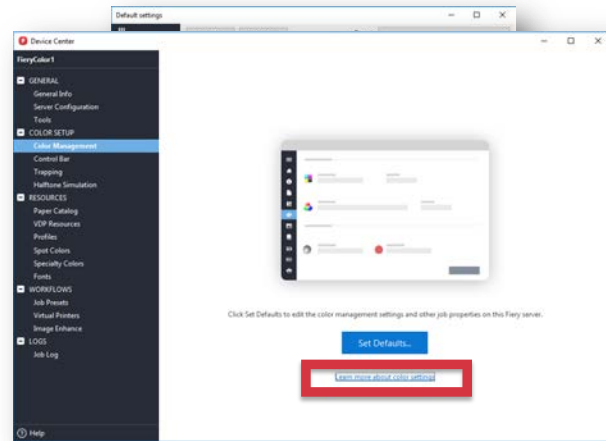
Default Settings uses the same interface as Job Properties



Defaults for color management



- Set color settings within the same Set Defaults tool
- Color Management guides users to Set Defaults and offers additional educational resources
 - Help documentation
 - Express video
 - Color flowchart



Color Management tab in Device Center
Set Defaults tool

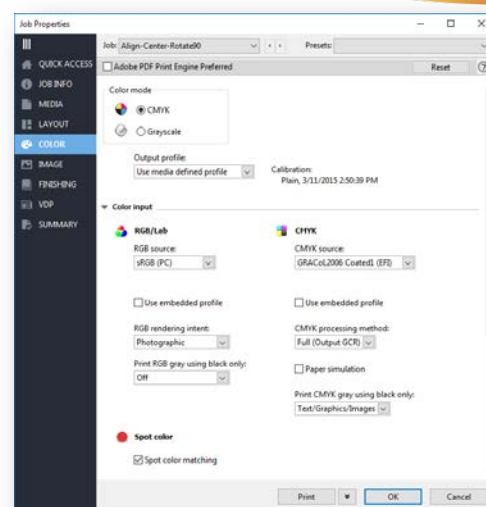


91

Faster color setup



- All relevant settings on one screen
- No need to open additional windows



Job Properties

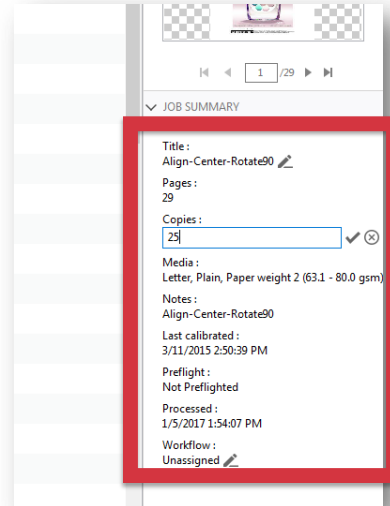


92

In-line editing



- Change common job settings without opening Job Properties
 - Job title
 - Number of copies
 - Workflow
- Speed job setup
- Improve precision of edits



93

New tools for managers



- Stay on top of operations
 - Home view
 - Server status
 - Quick production metrics
 - Fiery Updates
 - Set defaults



94

Home view



- Server status
 - Gain quick insight and close-up visibility into current print operations
 - Get a fast, high-level view of the current state of printers
 - Quickly identify when printers need attention



95

Home view

- Quick production metrics
 - Gain visibility into key production metrics to make proactive management decisions
 - Track daily print activity and weekly media consumption
 - Access Fiery Navigator for more detailed analytics
 - Free for the first three devices







96

Fiery Navigator



Gain full visibility into your production with powerful print analytics

-  Track production data to identify and analyze trends
-  Group devices to compare performance and allocate resources
-  Store and share Fiery settings to sync configurations
-  Get alerts to expedite response and reduce delays



Track the first three Fiery Driven™ devices for free!

Learn more at efi.com/fierynavigator

Test drive Fiery Navigator. Just start a demo session.

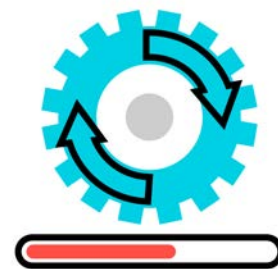
fierynavigator.efi.com
Key Fiery Features
Fiery Navigator



Fiery Updates



- Easily keep Fiery servers up to date
- Get notifications and easy-to-follow download and installation procedures
- Perform updates from remote clients to Fiery servers not connected to the internet



UPDATE



Future ready

- A platform that will provide a unified interface to efficiently manage all print production
 - Cut-sheet printers
 - Wide- and superwide-format printers
 - High-speed inkjet
 - Textile



99

New features in version 6.1

- | | |
|--------------------------------------|---------------------------------------|
| Ⓞ Customizable toolbar | • Double click to open Preview |
| Ⓞ Search for Fiery servers by subnet | • Double click to open Device Center |
| Ⓞ Edit CMYK source profiles | • Import dialog improvements |
| Ⓞ Calibrator and Preflight status | • Automatically remove rasters |
| Ⓞ Set default archive settings | • Access to free trials and downloads |



- Ⓞ These features are back from version 5.x

100

Customizable toolbar



HELD (102)

Import Print Properties... Preview Standard Set

Job Status Job Title **Customize...**

- Right click on the toolbar to select Customize...
- Available tools vary depending on the specific Fiery server's supported features

Available Tools

- Process and Hold
- Archive
- Suspend Printing
- Resume Printing
- Compose...**
- JobMaster...
- Stop Sample Print
- New Job

Selected Tools

- Import
- Print
- Impose...**
- Properties...
- Preview...
- Delete
- Calibrate...
- Logs
- Paper Catalog
- Start Sample Print

Reset OK Cancel



101

Search for Fiery servers by subnet



- Ability to search across different subnets, by specifying an IP range

Advanced Search

Search: From: To: Go

IP Range 10.100.242.1 10.100.242.255

Search Results:

Filter by keyword: |

Server	IP Address	Model
polyfinish		80C-4M
POLYPRINT		Canon
POLYPHONIC		E-41A
POLY-FC		FieryCentral
SERVER-FQQCOTJP		80C-4M
SERVER-T84Q9HB2		E-82

OK Cancel

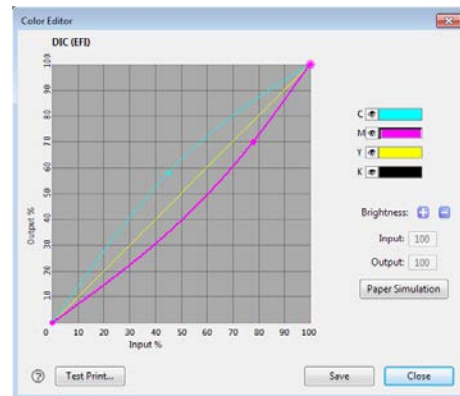


102

Edit CMYK source profiles



- Edit input profiles from Color Editor
- Includes Paper Simulation
- Color corrections made in the output profile remains as the recommended procedure



103

Calibrator and Preflight status



- Colored icons to notify job's calibration and preflight status in the Job Summary pane

JOB SUMMARY	JOB SUMMARY
Title: Meow	Title: Fiery Calendar
Pages: 1	Pages: 28
Copies: 1	Copies: 1
Media: Letter, Normal, System's default	Media: A4, Plain, 64-74 gsm
Last calibrated: ✔ Today 10:37:45 AM	Last calibrated: ⚠ Default measurements
Preflight: ⚠ Not Preflighted	Preflight: ✔ Done - 10/11/2017 9:40:15 AM
Last Modified: Today 10:38:15 AM	Spooled: 9/15/2017 7:15:53 AM
Workflow: Unassigned	Workflow: Unassigned

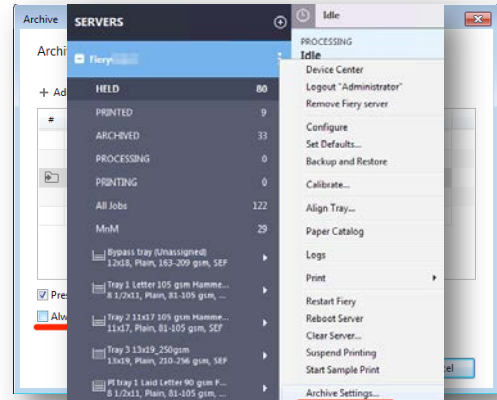


104

Set default archive settings



- Access Archive Settings from the Server menu
- Allows users to edit archive settings even if they have previously unchecked 'Always prompt for archive locations'



105

New double click actions

- Double click to open Preview
- Double click to open Device Center

Fiery Command WorkStation

File Edit Actions Server View Help

SERVERS

FieryColor1

HELD 105

PRINTED 8

ARCHIVED 33

PROCESSING 1

PRINTING 0

Bypass tray (Unassigned) 12x16, Plain, 163-209 gsm, SEF

Tray 1 Letter 105 gsm Hamme... 8 1/2x11, Plain, 81-105 gsm, ...

Tray 2 11x17 105 gsm Hamme... 11x17, Plain, 81-105 gsm, SEF

Tray 3 13x19_250gsm 13x19, Plain, 210-256 gsm, SEF

PROCESSING Idle

PRINTING Idle

HELD (105) > Search Results (6) Clear

manocr

Import Print Properties... Preview... Impose... Compose... JobMaster... New Job Delete Calibrate... Logs Paper Catalog

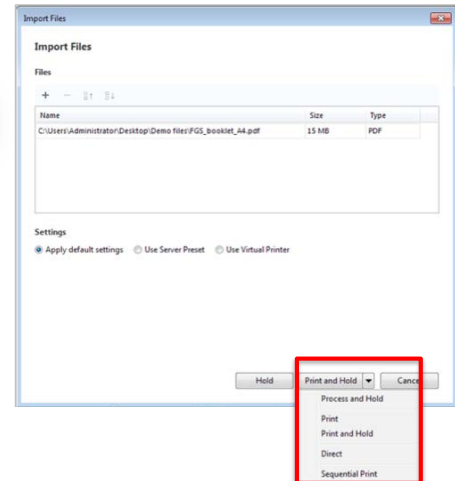
Job Status	Job Title	PDL	User	Size	Pages	Copies	Date/Time	Paper type	Out
Spooled	Manor_Mason_VDP_Postcards_PDFVT_20rec.pdf	pdf/vt	Administrator	3.9 MB	40	1	8/14/201...34:28 PM	Plain	7.25
Spooled	Manor_Mason_VDP_Post...rds_PPML_20rec_v2.zip	PPML	veronicm	25.4 MB	40	1	9/18/201...11:08 AM	Plain	8.1/
Spooled	ManorMason_packaging_olor_stock_honey.pdf	PDF	Admin	1.5 MB	1	1	10/3/201...28:23 PM	Plain	8.1/
Processed	ManorMason_packaging_12x18_honey.pdf	PDF	Admin	4.7 MB	1	1	10/3/201...28:24 PM	Plain	8.1/
Processed	ManorMason_packaging_12x18_tea.pdf	PDF	Fiery User	6.7 MB	1	1	8/14/201...34:23 PM	Plain	8.1/

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FieryDemo

JOB PREVIEW

Import dialog improvements

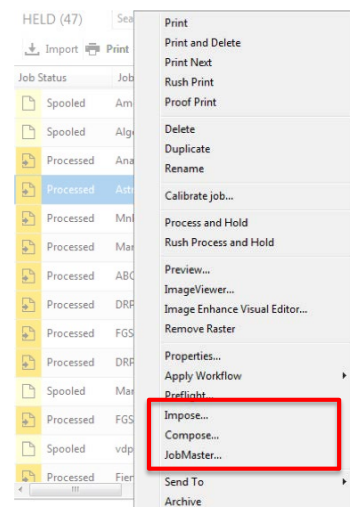
- Save clicks each time you open 'Import'
 - Go straight to the browse dialog
 - Select the last chosen job action – e.g. 'Print and Hold'



107

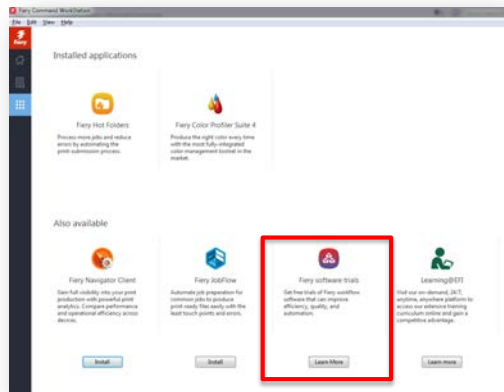
Automatically remove rasters

- One-click access to makeready settings
- Processed jobs have the similar job actions as Spooled jobs



108

Access to free trials and downloads



- Access to all Fiery free trials and downloads
- Easy way to check Fiery workflow software supported



Fiery Free Software Trials



Fiery free software trials and downloads

Experience the full power of your Fiery print server with free trials and downloads of Fiery workflow software.

Improve your operations' efficiency to increase margins on existing jobs and meet tight production deadlines with Fiery workflow software. Create competitive cost advantage with workflow automation and intuitive prepress software.

Click on the drop down menus below to find out which software is supported on your Fiery server.

i How do I find my Fiery server model and version number?

Select your printer's brand:

Select your printer's model:

Printer Brand	Printer Model	Fiery Server Name	Fiery Server Version	Fiery System Version	Fiery Impose	Fiery JobMaster	Fiery JobFlow	Fiery GAPPE
Ricoh	Pro C9100/C9110	E-43	1.0 - 1.1	FS150 Pro	Included with server	Supported	Supported	Supported
Ricoh	Pro C9100/C9110	E-83	1.0 - 1.1	FS150 Pro	Included with server	Supported	Supported	Installed on server

Request 30-day free software trials

Fiery Impose

- Fully visual imposition software for gangup, booklet, and variable data jobs.

Fiery JobMaster

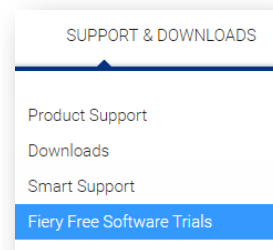
- Intuitive makeready software that includes media assignment, chapter definition, advanced page numbering, fully visual tab insertion and design, finishing, scanning, and powerful late-stage editing features.

Fiery Graphic Arts Package, Premium Edition

- Expert tools right on the Fiery server for preflight, soft proofing, color correction of raster files, file troubleshooting, and more.



Also accessible from [efi.com's top menu](http://efi.com)



Download today at www.efi.com/cws
Fiery Command WorkStation 6



- More efficient and productive



- Faster color set up



- More intuitive and easy to use



- New tools for production managers



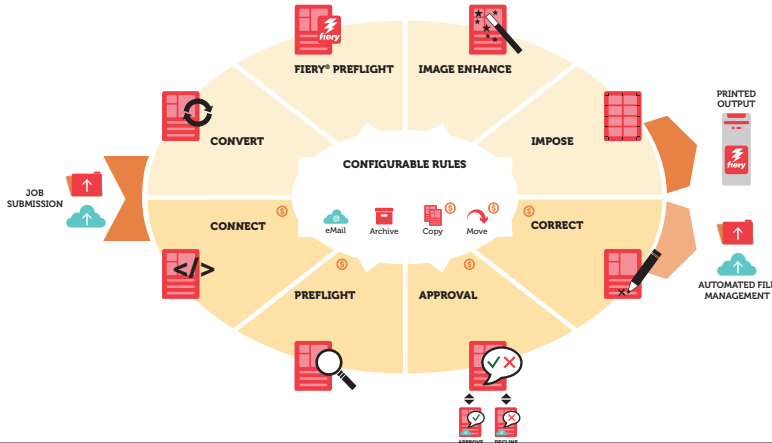
Fiery Jobflow



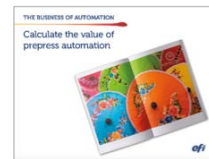
Fiery JobFlow™

Fiery JobFlow
30-day free trial
efi.com/jobflow

Automate repetitive manual setup and produce ready-to-print files with the fewest touch points to meet tighter deadlines, streamline production, and minimise errors



Fiery JobFlow Base is free and comes installed on most external Fiery FS200 Pro and above servers



[Calculate savings with Fiery JobFlow](#)

Fiery JobFlow Base and Fiery JobFlow

Feature	Fiery JobFlow Base (free)	Fiery JobFlow (paid)
Batch jobs based on job or page count	✓	✓
Submit job via Locations	✓	✓
Conversion to PDF	✓	✓
Image Enhancement	✓	✓
Email notifications triggered by pass or fail rule	✓	✓
Fiery Preflight*	✓	✓
Impose job layout**	✓	✓
Archive job	✓	✓
Output job	✓	✓
Rules-based workflow		✓
Correct file (based on Enfocus PitStop Pro)		✓
Preflight (based on Enfocus PitStop Pro)		✓
Approve job – internal and external reviewers		✓
Import custom script packages		✓

* Requires Fiery Graphic Arts Package, Premium Edition license

** Requires Fiery Impose license



Fiery resources



115

Resources

- Color and Imaging webpage at: efi.com/fierycolor
 - Fiery Color Flowchart video: fiery.efi.com/cws6/fs200/colorsettings/bestpractices

The screenshot shows the efi website's 'Fiery Color and Imaging' page. At the top, there is a navigation menu with links for Home, Products, Support & Downloads, Training & Services, Resources, and About Us. The main heading is 'Fiery Color and Imaging'. Below the heading, there is a sub-header: 'Consistent, accurate color and exceptional image quality'. The text below states: 'Fiery® servers provide state-of-the-art imaging technology, combined with expert color management tools, to deliver high quality images with the accurate, consistent color customers want.' There are links to 'View the Fiery Color and Imaging workflow', 'View the Fiery Command WorkStation 6 Color Settings Best Practices PDF and Video', and 'Image Enhance Visual Editor Fiery Spot-On'. On the right side, there is a 'Fiery Workflow Suite' section with links to Fiery JobFlow, Fiery Graphic Arts Package, Premium Edition, Fiery Productivity Package, Fiery Impose, Fiery Compose, Fiery JitMaster, Fiery Variable Data Printing Solutions, Fiery Color and Imaging, Fiery Color Printer Suite, Fiery Control, and Fiery Navigator. At the bottom right, there is a 'Fiery printing and certification' section with the 'FIERY GLOBAL UNIVERSITY' logo and links to 'Get free Fiery eLearning courses', 'Enroll in Fiery Professional Certification', and 'Enroll in Fiery Expert eCertification'.



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Additional resources

Fiery Command WorkStation 6 main webpage	efi.com/cws
Fiery Command WorkStation 6 download	fiery.efi.com/cws6-download
Fiery Impose 30-day free trial	efi.com/impose
Fiery JobMaster 30-day free trial	efi.com/jobmaster
Fiery Graphic Arts Package, Premium Edition 30-day free trial	efi.com/gapge
Fiery JobFlow 30-day free trial	efi.com/jobflow
Fiery makeready solutions comparison	fiery.efi.com/makeready-comparison
Training resources at Learning@EFI	learning.efi.com
Fiery Forums	fieryforums.efi.com
Fiery Command WorkStation 6 Help documentation	help.efi.com/cwspackage/index.html



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Resources

- FieryForums.efi.com

The screenshot shows the Fiery Forums website interface. At the top, there is a navigation bar with the EFI logo and links for Home, My Profile, My Settings, My Account, and Quick Links. Below the navigation bar, there is a registration banner that reads "Register for Fiery Forums today and join the Fiery community!". The banner includes a list of benefits: "Obtain answers from technical experts, Fiery users, and/or EFI engineers", "Learn Best Practices to maximize the productivity and use of your Fiery product", "Connect with a community of Fiery users", and "Share your experiences with others". A "JOIN NOW" button is prominently displayed. Below the banner, there is a section titled "Forum: Fiery Color & Imaging Topics" with a list of forum posts. Each post includes a title, a thumbnail image, the number of replies, and the number of views. The posts are as follows:

Title /	Replies /	Views /
2016 World of Fiery Sessions - Register Today!	Replies: 0 Views: 14,976	Start: 20-20-2017 02:10 PM
2016 Fiery Color Profiler Suite 4.9.3 is released!	Replies: 0 Views: 13,008	Start: 17-20-2017 04:46 PM
Substrate Color/DKX	Replies: 3 Views: 238	Start: 08-03-2017 10:53 AM
Imageware E200 calibration issue	Replies: 0 Views: 32	Start: 08-03-2017 02:24 PM
Printlight ignores paper coating output profiles	Replies: 7 Views: 506	Start: 08-03-2017 04:22 PM
How to export a spot color into Indesign	Replies: 1 Views: 249	Start: 07-20-2017 07:45 PM
Proper way of simulating a different printer?	Replies: 3 Views: 273	Start: 07-13-2017 08:52 AM
Weak Density - Blotching	Replies: 2 Views: 144	Start: 06-20-2017 05:26 PM



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World of Fiery webinars



Webinar sessions	Topics covered
3 Key Steps to Getting the Right Color	<ul style="list-style-type: none"> • Color Basics 101 • 3 key steps to get right color (color settings, calibration, profiling)
ABC's of Producing the Best Match for Spot Colors	<ul style="list-style-type: none"> • DFE tools for spot color matching • Design file challenges with spot colors
Best Practices for Matching Industry Color Standards	<ul style="list-style-type: none"> • Press certification programs • How to match a reference • Perfect PDF output standards
Best Practices for Producing Outstanding Image Quality Results	<ul style="list-style-type: none"> • Optimizing image and vector quality • Print workflow for PDF X/4
Achieving Great Output Quality with your Paper	<ul style="list-style-type: none"> • Paper-critical configuration for digital • Optical brightening agents
Advanced Color Management for Digital Print Systems	<ul style="list-style-type: none"> • Profile selection and embedded profiles • PDF/X output intent • Rendering intents • Black point compensation • Problems with printing with black
G7 calibration with Fiery Color Profiler Suite	<ul style="list-style-type: none"> • G7 background and history • G7 calibration for Fiery servers



Thank you

