

How-to:

Use prepress tools at the Fiery server to adjust color and troubleshoot file issues



How-to: Use prepress tools at the Fiery server

Feature overview

This how-to guide demonstrates how [Fiery Graphic Arts Pro Package](#) and [Fiery ColorRight Package](#) can help reduce wasted prints and improve efficiency by using tools right on the Fiery server to troubleshoot files and make color adjustments.

You will use the following Fiery features in this how-to guide:

Fiery Preflight: Check for missing elements or other common errors to ensure the file will print successfully on a Fiery Driven™ printer. *(Note: requires Fiery Automation Package on FS400 and newer embedded servers)*

Fiery Postflight: A visual tool that provides a color-coded report to help diagnose and fix file element errors.

Fiery Spot Pro: A powerful spot color management tool to help deliver the most accurate brand colors.

Fiery ImageViewer: View and edit raster files at full resolution. Make color adjustments and replacements right in ImageViewer, with no need to go back to prepress or to the designer.

Objectives

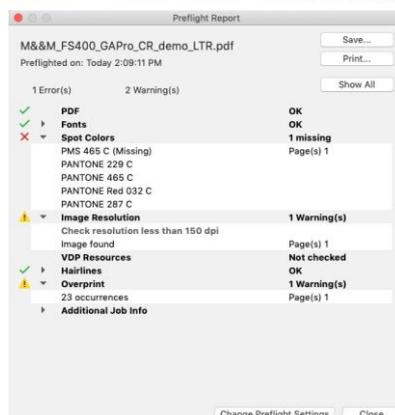
- Preflight the job
 - Requires Fiery Automation Package on FS400 or newer embedded Fiery servers
- View the Postflight report
- Import spot colors and create a spot color alias in Spot Pro
- Make color adjustments and replacements in ImageViewer

Additional resources

For additional software downloads, training resources and more, go to [Fiery Online Resources](#).

Before you begin

- Open [Fiery Command WorkStation® 6.5](#) or later and connect to a Fiery server running Fiery FS400/FS400 Pro or newer.
- If you have an embedded server running FS400 or newer software, activate Fiery ColorRight Package (request your [free trial](#))
 - If you want to use Fiery Preflight on an embedded server running Fiery FS400 or newer software, activate Fiery Automation Package (request your [free trial](#))
- If you have an external server running FS400 Pro or newer software, activate Fiery Graphic Arts Pro Package (request your [free trial](#))
- Import **M&M_FS400_GAPro_CR_demo_LTR.pdf (M&M_FS400_GAPro_CR_demo_A4.pdf)** into the Fiery server Hold queue. Drag the file to the Command WorkStation Held list or use the Command WorkStation Import menu option.
- Ensure the printer and Fiery server have been calibrated before printing any output.



Preflight the job

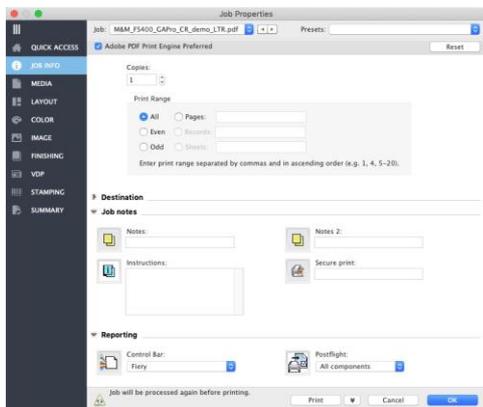
Note: if you're on a Fiery FS400 or newer embedded server and you do not have Fiery Automation Package activated, you can skip this step.

1. Select **M&M_FS400_GAPro_CR_demo_LTR.pdf (M&M_FS400_GAPro_CR_demo_A4.pdf)** in the Command WorkStation Held list. Then right-click and select **Preflight**.
2. Select the settings for each of the preflight items checked by Preflight and the reporting level (Critical or Warning). For this example, use the following default settings.
 - a. Stop Preflight on first critical error: **Off**
 - b. Fonts: Missing Fonts — **On Critical**. Check courier is present — **On Warning**
 - c. Spot Colors: Missing Spot Colors — **On Critical**
 - d. Image Resolution: Check resolution less than 150 dpi (150dpi is default) — **On Warning**
 - e. VDP Resources: Missing resources — **Off**. Preflight only the first 10 records — **Off**
 - f. Hairlines: Line thickness less than 0.25 points (0.25 is the default) — **On Warning**
 - g. Overprint: Detect Overprint — **On Warning**

*If you have specific Preflight settings you want to apply to jobs in the future, save the settings by saving them as a **Preset**.*

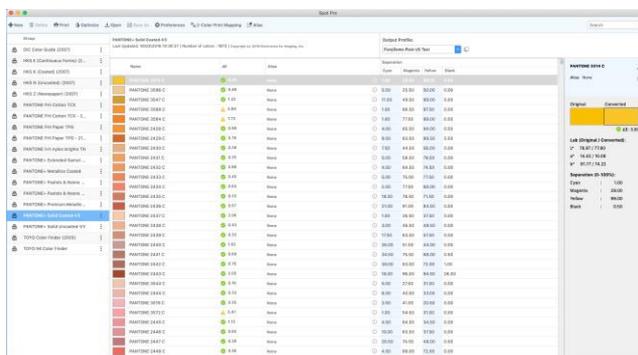
3. Click **Preflight** to preflight the job.
4. The Preflight report will be generated and displayed. Click **Show All** to see a more detailed report.
5. For this example, one error was found for **missing spot color PMS 465 C** (we'll fix this using Spot Pro later in this demonstration). One warning message noted that the **image resolution is less than 150 dpi** (to fix, turn on Image Smoothing, found in the Image tab in Job Properties). And one warning message noted that there were quite a few **overprints** (this would need to be fixed in the design file).
6. Click **Save** will allow you to save the Preflight settings as a PDF file to share.
7. Click **Close** when done reviewing the Preflight report.

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View the Postflight report

1. Select the **M&M_FS400_GAPro_CR_demo_LTR.pdf (M&M_FS400_GAPro_CR_demo_A4.pdf)** file in the Command WorkStation Held list. Then right-click to select **Properties**.
2. Click the **Job Info** icon.
3. Under Reporting, select a **Control Bar** to apply from the drop-down menu.
4. For **Postflight** select the reporting level for the job.
5. For this example, select **All Components** to generate a complete report, including the Concise report, Test page, and Color-coded pages.
6. Click the **Media** icon.
7. In Output paper size, select **11x17** or **A3**.
8. For external Fiery servers and embedded Fiery servers with the Adobe PDF Print Engine option, ensure **Adobe PDF Print Engine Preferred** is checked at the top of the Job Properties window.
9. Click **Print** to apply the Job Properties and print the job.
If you're unable to print, you can view the Postflight report by using Process & Hold, then opening the job in Preview or ImageViewer.
10. The job will be printed with the complete Postflight report. The Postflight report will color code each element on the page to reflect the type of color data used. **Note: the color-coding scheme is different when the job is processed via APPE vs Postscript.**
11. In the color-coded page report, review the brown objects to identify the placement for the missing spot color (**PMS 465 C**). 
12. The complete report will also detail the color settings used to print the job and tools that can be used to adjust the color output. It also includes an engine test page that can be used to help identify engine defects.



Import spot colors and create a spot color alias in Spot Pro

1. Open **Spot Pro** by clicking the icon in the Command WorkStation Job Center or by selecting it from the Server menu.
2. Click **Open** in the toolbar, then navigate to the same directory where M&M_FS400_GAPro_CR_demo_LTR.pdf (M&M_FS400_GAPro_CR_demo_A4.pdf) is and choose **Manor Mason.ase**



Note: if you're on a Mac, select Options at the bottom left of the window to expose the Format drop-down, then select ASE files. Manor Mason.ase will now be selectable.

ASE stands for Adobe Swatch Exchange. An .ase file is a set of spot colors that are output from an Adobe Creative Suite application, such as InDesign or Illustrator. You can also export .ase files from Spot Pro that a designer can import into their Adobe application. Sharing .ase files with designers allows both the designer and the PSP to work from the same set of named colors and ensures brand color consistency from design to production. And, it saves the PSP time by not having to manually enter new named spot colors in Spot Pro.

3. You will now see a new swatch group in the left-hand pane – **Manor Mason**.
4. Click on the **Alias** icon in the top toolbar.
5. In the Original color bar, type **PMS 465 C**, then click the **plus sign**.
6. In the **Alias to...** bar, type in **PANTONE 465 C**, then click the magnifying glass to search.
7. From the search results, select **PANTONE 465 C** that appears in the **Manor Mason spot color group**.
8. Click **Add Alias**, then click **Apply & Close**.
9. **Close** the Spot Pro window.



Using a spot color alias allows you to map a named color to another named color. This functionality is similar to substitute colors, where you can map a named color to a set of RGB or CMYK values. Using an alias is great for situations where a specific named color may have different names depending on who is working on the file, as in this example. With an alias, you simply need to point to the correct named color in the Spot Pro library, which is more efficient than creating another named color.

Make color adjustments and replacements in ImageViewer

1. Right click on M&M_FS400_GAPro_CR_demo_LTR.pdf (M&M_FS400_GAPro_CR_demo_A4.pdf). Open Job Properties and under Postflight, select **Off**. Under Control Bar, select **Off**. Then select **Process and Hold**.
2. Right click on M&M_FS400_GAPro_CR_demo_LTR.pdf (M&M_FS400_GAPro_CR_demo_A4.pdf) and select **ImageViewer**.
3. Note that the Exclusive Products text box is now all the same color. Previously, it had a border that used an incorrect spot color (PMS 465 C). Remember that we used the Alias feature in Spot Pro to map this to the correct spot color (PANTONE 465 C).

EXCLUSIVE PRODUCTS

Before Alias

EXCLUSIVE PRODUCTS

After Alias

4. When we ran the Preflight report, it was noted that a low-resolution image was found in the file. Here's the difference in the spices image with and without Image Smoothing, as seen in ImageViewer.



Before Image Smoothing
(pixelated image, zoom in on this page to see better)



After Image Smoothing
(pixelation less apparent)

5. Select **Local Correction** from the toolbar.

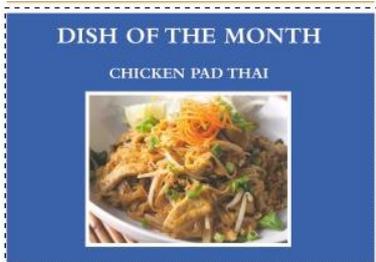


6. **Draw a box** around the image on the top left on page 1.

YOUR CULINARY
JOURNEY STARTS HERE



7. In the **Color Adjust** pane, **adjust each color curve** as needed to lighten the overall tone of the image. Note that only this image is changing, everything else on the page remains as-is. Once you've finished the curve adjustments, click **Apply** (to the right of the Local Correction icon). You will see this curve edit appear in the Edits pane on the bottom right of the ImageViewer window.
8. Navigate to page 2 in the **Pages** pane on the left hand side of the ImageViewer window
9. Ensure that **Local Correction** is still selected (if not, click on the icon again to select).
10. **Draw a box** around the blue Dish of the Month box on the page.



11. In the **Color Replacement** pane, click on the eyedropper icon on the left. Click on any of the blue area in the selected box.

12. Click on the **Spot Pro icon** next to the right eyedropper icon.



13. In the **Search Spot Color** bar, type in **229 C**. Choose the **PANTONE 229 C** entry in the **Manor Mason** spot color group. Then click **OK**, and then click **Apply**.

Note: you could also use the eyedropper here to select the maroon from any other area of the page

14. You will see that the background of the Dish of the Month box has now turned maroon. You will also see this color replacement reflected in the Edits pane on the bottom right of the ImageViewer window.
Note: you may still see an outline of the previous color in the Image Preview. This is just a quirk with that zoom percentage – zoom to 100% to see that it will print correctly.

Local color edits (curves and color replacements) allow you to edit a very specific area of the page without affecting color on any other portion of the page. This makes prepress processes more efficient, since simple color edits can be made right in ImageViewer, with no need to go back to the designer or the native file.



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