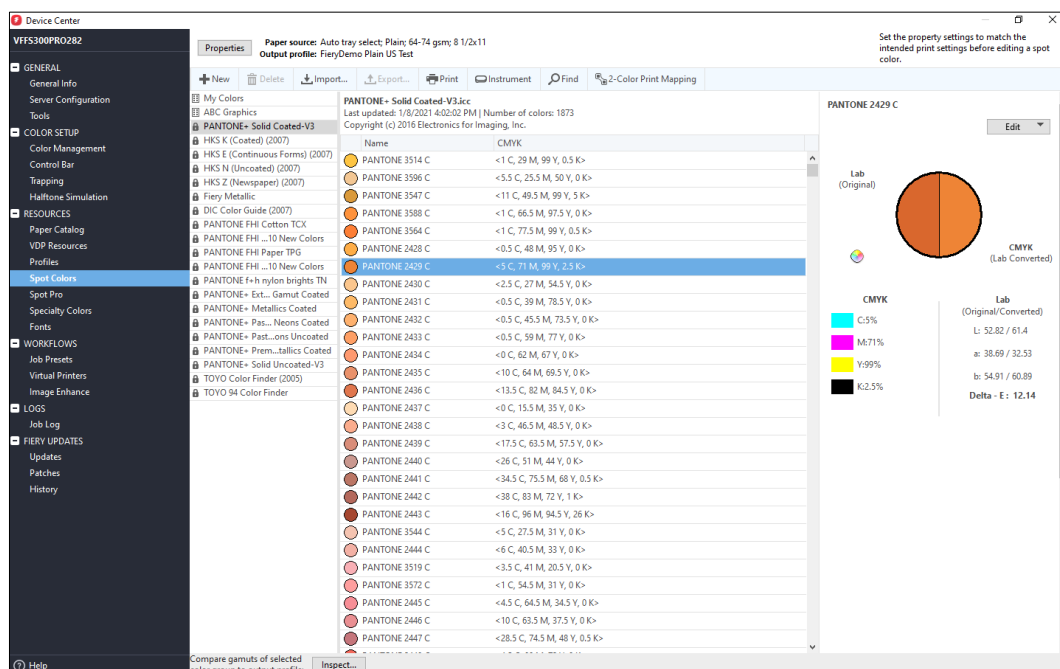


How-to: Print spot colors accurately using Fiery Spot-On

The screenshot displays the Fiery Spot-On software interface. On the left is a dark sidebar with a navigation menu including sections like GENERAL, COLOR SETUP, RESOURCES, WORKFLOWS, LOGS, and FIERY UPDATES. The main window is titled 'Device Center' and shows 'VF5300PRO282' as the selected device. Below the title bar, there are tabs for 'Properties', 'New', 'Delete', 'Import...', 'Export...', 'Print', 'Instrument', 'Find', and '2-Color Print Mapping'. The 'Properties' tab is active, showing a list of PANTONE color libraries. The 'PANTONE+ Solid Coated-V3' library is selected, displaying a list of colors with their CMYK values. The 'PANTONE 2429 C' color is highlighted in blue. On the right side of the main window, a detailed view of the selected color is shown, including a color wheel, a color bar, and the CMYK and Lab (Original/Converted) values. The CMYK values are C:5, M:71, Y:99, K:2.5. The Lab values are L: 52.82, a: 38.89, b: 54.91, Delta-E: 12.14.

Feature overview

With Fiery® Spot-On™, you can achieve the most accurate color matching for logo colors and other spot colors in an automated, application-independent workflow. The feature allows you to manage named colors on the Fiery server, including all PANTONE®, HKS, Toyo and DIC libraries. This feature converts named colors for popular color systems directly on the Fiery server to reproduce the best color match, considering the output color profile parameters. In addition, you can create custom named spot colors.

The optional EFI ES-3000 spectrophotometer adds the ability to capture colors precisely. The EFI ES-3000 provides colorimetric values and automatically enters them in Spot-On.

Objectives

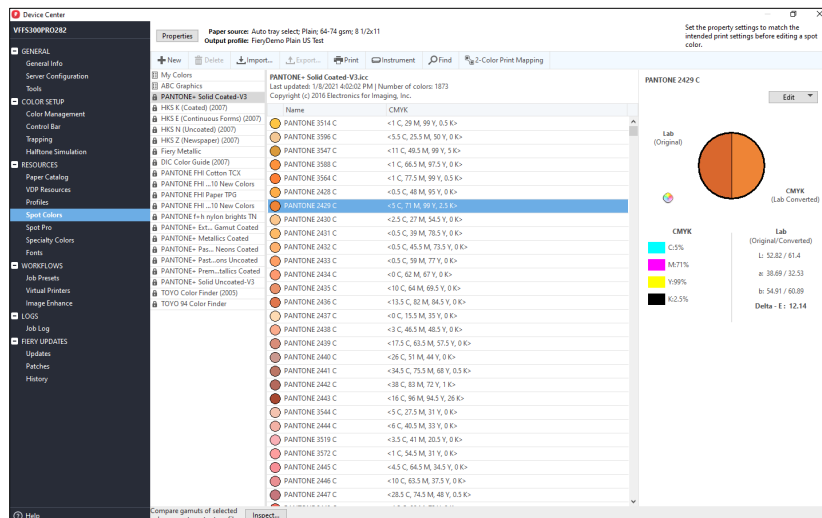
- Create a new spot-color group
- Add new spot colors manually
- Add new spot colors using the EFI ES-3000.
- Modify spot colors
- Import and export custom color groups
- Print a spot color swatch book
- Print a file using the new spot colors

Additional resources

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

Before you begin

- Open Fiery Command WorkStation® 6.7 or newer. Connect to a Fiery Driven™ printer running Fiery FS500 / FS500 Pro system software or newer.
- Connect the EFI ES-3000 spectrophotometer to the computer running Command WorkStation.
- Have available a colored element such as a business card, a fabric with a solid color or packaging.
- Place the sample file, **MnM_letterhead_LTR_SAMPLE.pdf** or **MnM_letterhead_A4_SAMPLE.pdf**, in the Fiery server HELD queue.
- Make sure that the printer and the Fiery server have been calibrated before printing any output.



Create a new spot color group

1. In the Command WorkStation menu, click **Server > Device Center**.
2. Under RESOURCES tab, click **Spot Colors**.
3. Click **Properties** and assign the **Output Profile**. This will be used to create the custom spot color and specify the media associated with the Output Profile for printing color samples.
4. In the Job Properties window, click the **Color** icon.
5. Select the **Output profile** that matches the media loaded in the print engine you are using.
6. Click the Media icon. Select the **paper catalog** or media print options for your workflow.
7. Click **OK** to close Job Properties.
8. Click **+ New > Group**.
9. Enter the name of the Group. For this exercise, type **Custom Colors** and then click OK. The new group will be listed in on the left-hand side of the Spot Colors window.
10. **Select** the new group Custom Colors. No colors will be listed in the new group yet. In the next section, you will create a new color to add to this group.

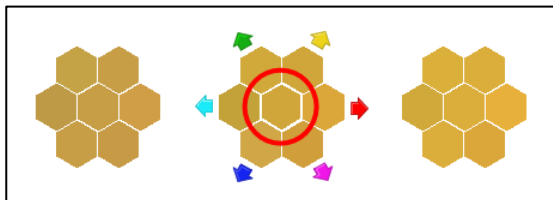
Add new spot colors manually

1. In this exercise, you will manually add a custom spot color to your new spot color group.
2. With the **Custom Colors** group selected, click **+ New > Spot Color**.
3. Enter a Color name. For this example, type the color name: **M&M-yellow**.

The spot color name is case sensitive and must be exact for proper printing.

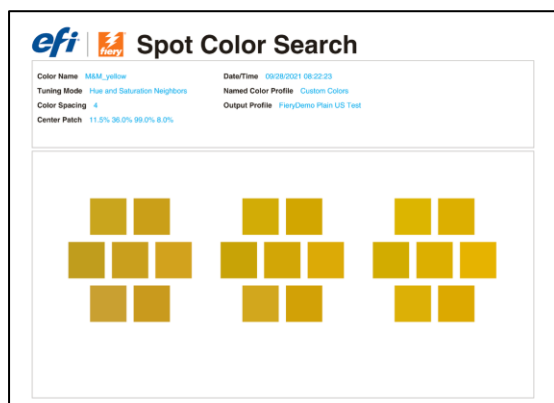
4. Enter the following values in the CMYK boxes:
 - C = 12
 - M = 36
 - Y = 98
 - K = 8

5. If you know the L*a*b* values for your spot color you can enter those values in the L, a, and b, boxes instead of entering the CMYK values.
6. The color will be displayed in the center of color chart. You can refine the color by clicking on one of the other color patches.



7. To compare the new color to a reference sample of the color, click Print in the New Spot Color window

A warning dialog box may appear, informing you that the calibration for the media chosen from the Paper Catalog is outside the specified limits in calibration preferences. Calibration is recommended for consistent results. Click Print Anyway.



8. In the window that opens, with the **Color Search Pattern** option selected, click **OK**.
9. The layout of the squared on the printed card match the location of the hexagons displayed in the Edit Spot Color window in Spot-On. If you feel that one of the squares displays a better color match when compared to your original sample, click on that square. The square that you click
10. now becomes the central square. You can accept that new color definition or click **Print** again and repeat the process.
11. You could now click the button to add another custom spot color to your Custom Colors group or print a sample of the color to check its accuracy. To add this color to your library, click **OK**.
12. Your new spot color will now be available for use.

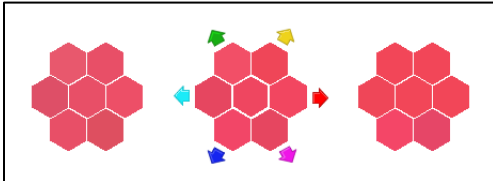
Add a new spot color using the EFI ES-3000

1. In this exercise, you will use the EFI ES-3000 to import the color values from a red element.
2. Click Instrument.
3. The spectrophotometer calibration window will open. Follow the on-screen instructions, placing the EFI ES-3000 in its cradle, and click Calibrate.

4. Click + New > Spot Color.
5. Enter a Color name. For this example, type the color name: **M&M-red**.

The spot color name is case sensitive and must be exact for proper printing.

6. Remove the EFI ES-3000 from the calibration cradle and place it on the color to import.
7. **Press the button** on the side of the EFI ES-3000 to measure the red sample color.
8. Once again, the color will be displayed in the center of color chart. You can refine the color by clicking on one of the other color patches.



9. To compare the imported color to the original color of the red card, click **Print** in the New Spot Color window
10. Compare the red card color with the center square of the printout and select a closer match by clicking on the appropriate square (on screen) and re-printing the target. Very little adjustment is usually necessary.
11. When the desired match is achieved, click **OK**.

Modify spot colors

1. In the previous two sections, you were able to modify a spot color added to your custom spot color group either manually or by using your EFI-ES3000 to measure a printed sample. In this exercise, you will use another method to edit the values of a custom spot color.
2. With Spot On launched, click on to select the **Custom Colors** group.
3. Double-click on the **M&M_Yellow** spot color entry.
4. Enter the following values in the CMYK boxes to modify the spot color:
 - C = 0
 - M = 5
 - Y = 98
 - K = 0
5. If you wish, you could click **Print** to print a sample of the spot color using the new color definition.
6. To finish, click **OK**.

Import and export custom color groups

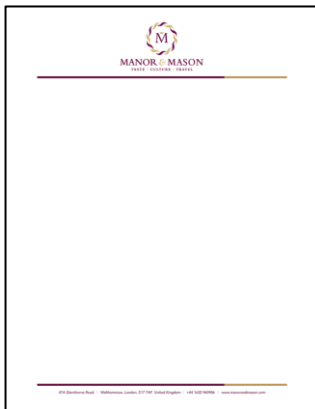
1. In this exercise, you will discover how you can share custom spot color groups between different Fiery servers.
2. With Spot On launched, click on to select the **Custom Colors** group.
3. From the **Upper Toolbar**, click on the **Export** button.
4. In the window that opens, navigate to a folder where you wish to store your spot color group, change the name, if desired, and click **Save**.

5. Your spot color group can now be imported into another Fiery server.
6. To demonstrate this, click **Import**.
7. Navigate to the downloaded folder containing this How-to-Guide, select the **Manor and Mason file**, and click **Open**.
8. The imported spot color group, containing both custom and default spot colors will now be added to your Fiery system and can be used when printing jobs.

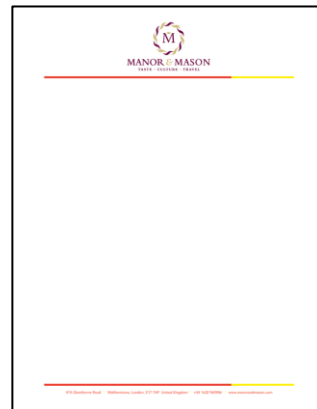
Print a spot color swatch book

1. In this exercise, you will print a custom swatch book that can be provided to your customer in order to show them what their selected spot colors will look like when printed on their selected media.
2. With Spot-On launched, ensure that the **Paper source** and **Output profile** listed next to the Properties button are correct. If they are not, click on the Properties button and, in the Properties window, select the correct Paper Catalog entry or properly configure the Media setting and, on the Color tab, ensure that the correct Output profile is selected. Then click OK.
3. Next, click on ??? to **select** the **Manor and Mason** spot color group.
4. **Select** all of the spot colors in the group.

Print a file using the new spot colors



Printed without custom spot colors added



Printed after adding custom spot colors

1. Select the **MnM_letterhead_LTR_SAMPLE.pdf** or **MnM_letterhead_A4_SAMPLE.pdf** file in the Command WorkStation Held list. Then right-click and select Print.
2. The document will now print the letterhead as the newly added custom spot colors.

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