

# How-to: Gangup automation by media size with Fiery Impose



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## Feature overview

Gangup printing involves grouping several images that are smaller than the print sheet together on a sheet to maximize the sheet surface coverage. Common applications include the printing of business cards, postcards and tickets.

Traditionally, a user creates a template based on a particular product and media size. Every time a print shop needs to produce a new product, it requires a creation of a new template for each media size available for that product type.

With the gangup capability in Fiery Impose, the same print shop can reduce the number of templates to 5 — one per media size and maintain just 5 automation workflows for future job automation. Fiery Impose uses the trim box defined in the document and calculates the best layout (n-up and orientation) on the fly, considering the desired media size to print on.

Imposition templates created using this feature can be used in server presets, Job Properties, Fiery Virtual Printers, Fiery Hot Folders and Fiery JobFlow workflows.

## Objectives

- Create a gangup layout for a media size
- Create an imposition template
- Apply the imposition template to a Hot Folder
- Submit a gangup job using a Hot Folder

## Additional resources

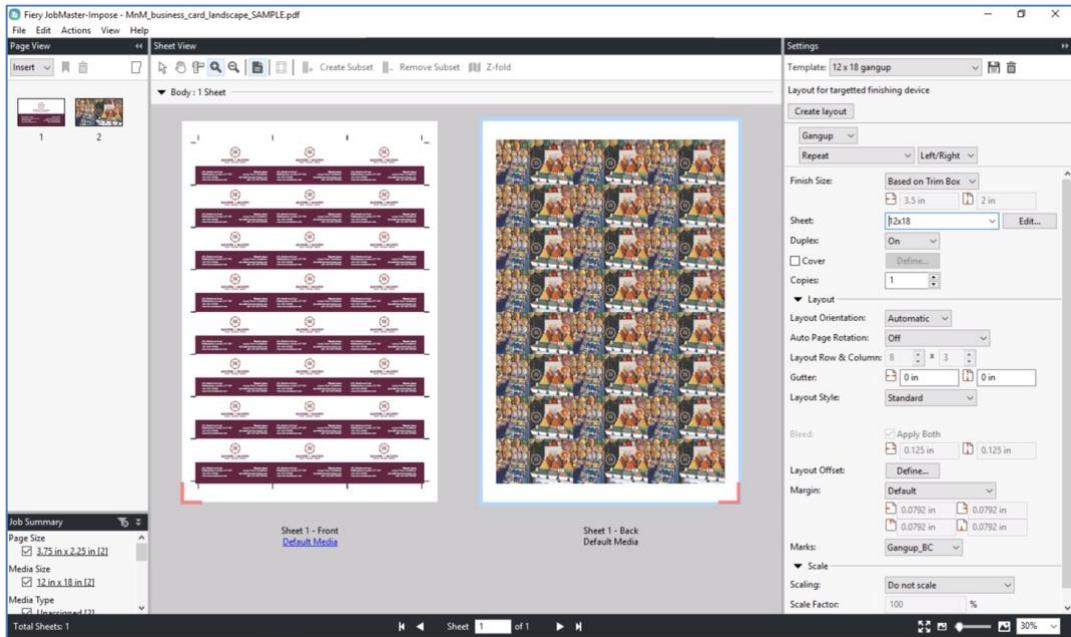
For additional software downloads, training resources, and more, go to [Fiery Online Resources](#).

## 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.
  - Activate the Fiery Impose license on the computer running Fiery Command WorkStation. Fiery Impose can either be fully licensed or running in trial mode.
- To request the free 30-day trial for Fiery Impose, go to: [fiery.efi.com/impose/freetrial30](https://fiery.efi.com/impose/freetrial30)
- Place the sample file, **MnM\_business\_card\_landscape\_SAMPLE.pdf** in the Fiery server HELD queue. Drag the file to the Command WorkStation HELD list or use the Command WorkStation Import Job menu option.
- Fiery Hot Folders must be installed on the client. Fiery Hot Folders is installed by default when Fiery Command WorkStation is installed.
- Have a copy of the files **MnM\_business\_card\_potrait\_SAMPLE.pdf** and **MnM\_postcard\_SAMPLE.pdf** on your desktop.
- Ensure that the printer and Fiery server have been calibrated before printing any output.

## Licensing Requirements for “Based on Trim Box” Finish Size

- A Fiery Impose license is always required wherever the imposition template is created.
- To use imposition template:
  - Fiery Hot Folders and Fiery JobFlow require a Fiery Impose license on the client.
- Virtual Printers, Server Presets and Job Properties require a Fiery Impose license on the Fiery server (FS400 Pro and above only)

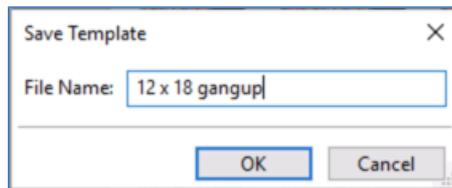


## Create a gangup layout for a media size

1. In this section, you will define the imposition settings and create a gangup layout that maximizes the sheet usage to create a final product such as business cards. This can be saved as an imposition template that can be used for other products such as postcards and tickets.
2. To begin, select the job **MnM\_business\_card\_landscape\_SAMPLE.pdf** in the Command WorkStation HELD list, and right-click to select **Impose...**
3. Fiery Impose will open and preview the business card.
4. Navigate to the **Settings** pane, select Normal in the layout menu and change it to **Gangup**.
5. Next, change the gangup type from Unique to **Repeat**.
6. To have Fiery Impose maximize the sheet usage for the selected media size, select **Based on Trim Box** in the Finish Size: menu. You will be prompted that Changing the Finish Size will reset the Bleed values. Click **OK** to close the window and continue with the layout.
7. Next, select the **sheet size** you will use to print the gangup layout, such as **12 x 18** or **SRA3**. Select the media size that you will use.
8. The Layout Orientation and Row & Column fields will automatically be defined to maximize the sheet surface. The preview will automatically display the gangup layout.
9. To print on both sides of the sheet, select the duplex menu and choose the appropriate **Duplex** setting. For this example, choose **On**. Your Duplex options may be different based on the Fiery Driven printer you are using.
10. Next add trim marks that will be used to cut the product to the final finish size, by selecting **Define** in the **Marks** menu.
11. Then in the Marks window, click **Print trim marks**.

12. The trim mark style, Horizontal length, Vertical length, Stroke type, Stroke width and Stroke color can be customized. The marks can also be offset if required for your finishing workflow. For this example, use the default trim mark settings.
13. To ensure trim marks are completely removed during finishing, select **Print mark on front surface only**.
14. To create a Marks **preset** that can be selected from the Marks menu when applying to other imposition layouts in the future, click the **Save** icon next to the Preset menu.
15. In the **Save Preset** window, type a descriptive name for the trim marks presets. For this example, enter **Default Trim marks** and click **OK**.
16. When the trim marks are defined, click **OK** to close the Trim mark window.
17. The preview will display the layout with the added trim marks.

The gangup layout is complete. In the next section you will learn how to save the layout as a template that can be applied using a workflow automation solution such as Fiery Hot Folders.

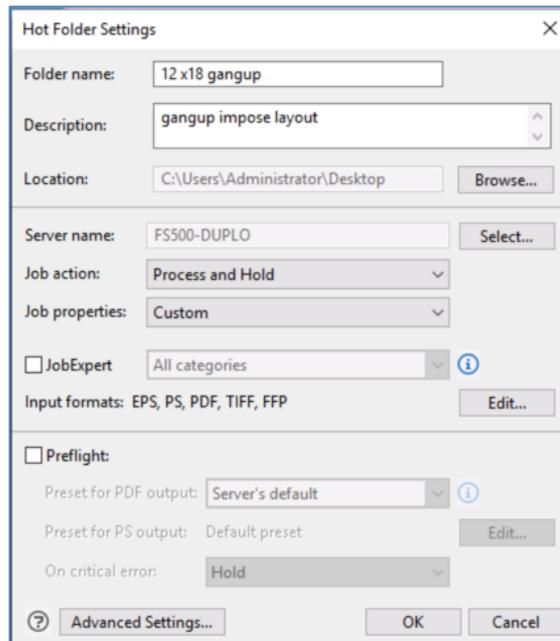


### Create an imposition template

In this section, you will create an imposition template used for any gangup layout for the selected media size. Only the template will be saved. The layout will not be saved to demonstrate using a workflow automation solution to automatically apply the gangup layout to the defined media size.

1. In the Impose Settings pane, select the **Save** icon to create a Fiery Impose template.
2. When the save dialog windows opens, enter a descriptive **name** for the imposition temple. For this example, enter either **12 x 18 gangup** or **SRA3 gangup**, based on the media size you originally selected for the layout.
3. Click **OK** to close the Template window.
4. The Template menu will display the name.
5. Now that the template is saved, click **X** in the upper right-hand corner.
6. The goal of this exercise is to create a template that will be applied to a Fiery Hot Folder.
7. Click **No** to close Impose without saving the layout.

The imposition template is saved and can be applied to jobs using Job Properties, Fiery Hot Folders and Fiery JobFlow. In the next section you will learn how to assign the imposition template to a Fiery Hot Folder.



## Apply the Imposition template to a Hot Folder

In this section, you will apply the imposition template to a Hot Folder to automate the submission of gangup jobs.

1. Minimize Fiery Command WorkStation.
2. Next, **double click** the **Fiery Hot Folder** application on the desktop.
3. To create a new Hot Folder, click **+ New...** in the toolbar.
4. Next, enter a descriptive **name** for the Hot Folder. This will make it easy to identify what job actions will be applied to jobs submitted using the Hot Folder. For this example, enter either **12 x 18 gangup** or **SRA3 gangup** based on the media size you originally selected for the layout.
5. Now, select the **location** for the Hot Folder. This is where you will drag and drop files into that will be submitted to the Fiery Driven printer. By default, the Hot Folder will be placed on the **desktop**. For this exercise, use the **default location**.
6. To select the Fiery server that will receive the submitted jobs from the Hot Folder, click **Select** next to the **Server name** field.
7. In the **Connect to Server** window you can enter the either the Fiery server name or TCP/IP address or you can click the search icon to list the Fiery servers on the network. After you have selected the server, click **Connect**. The Fiery server will be displayed in the Server name field.
8. Next, select the **Job Action** menu to define how the Fiery server handles jobs submitted through the Hot Folder. The options include Print, Direct, Hold, Print and Hold, Process and Hold, Print and Delete and Proof Print. Detailed description of each setting can be found in the online help documentation. For this example, select the Job Action **Process and Hold**.

This will process the file and keep it in the Held list. The job can be previewed before printing.

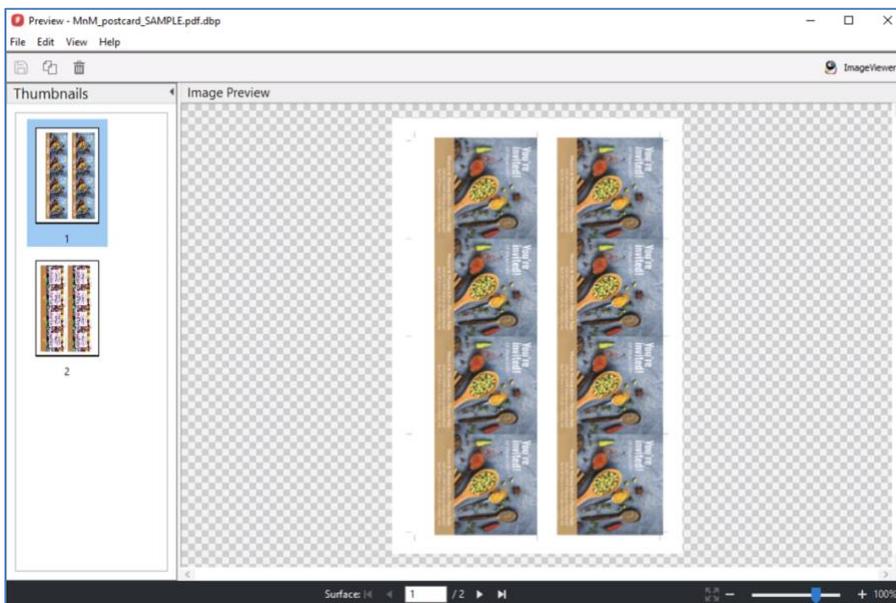
9. To apply the Imposition template that you previously created, select the **Job Properties** menu and select **Define**.
10. When the Job Properties window opens, select the **Layout** tab.
11. Then select the **Impose** radio button.
12. In the Layout tab, select the **Templates** menu and choose the custom template that you previously created. For this example, select either **12 x 18 gangup** or **SRA3 gangup**.

*The **Based on Trim Box** finish size is not supported with the VDP input format. So, click the Input formats **Edit** button and **deselect** the **VDP** option from the Input Formats list and click **OK** to save and close.*

13. Click **OK** to apply these job properties and return to the Hot Folder Setup window.
14. Finally click **OK** to create the Hot Folder and publish it to your computer's desktop.

Any sized document dropped into the Hot folder will be sent to the Fiery server, applying a gangup imposition, automatically calculating the number of rows and columns that will maximize the sheet surface.

In the next section you will submit two different sized documents into the Hot Folder.



## Submit gangup jobs using the Hot Folder

In this section, you will submit two different sized documents to demonstrate the gangup automation by media size feature.

1. Minimize Fiery Hot Folders.
2. Next locate the file, **MnM\_business\_card\_portrait\_SAMPLE.pdf**.

3. **Drag the file to the Hot Folder 12 x 18 gangup or SRA3 gangup** while holding the **CTRL** key on the keyboard. This will make a copy of the file being submitted and retain the original file.
4. The file will be submitted to the Fiery server, the imposition template will be applied, the job will be processed and listed in the Held list.
5. Switch to **Command WorkStation** to preview the job.
6. Locate the job **MnM\_business\_card\_portrait\_SAMPLE.pdf.dbp** at the top of the Held list and **select it**. A preview of the imposition layout will be displayed in the Preview pane on the right-hand side of Fiery Command WorkStation.
7. To preview the job in a larger window, open Fiery Preview by **right-clicking** the job and selecting **Preview....**
8. The preview of the business card job will display a **3** row by **8** column gangup layout with trim marks on a 12 x 18 or SRA3 sheet.
9. Close the Preview window.
10. Next, impose a different size job, a postcard.
11. Minimize Command WorkStation.
12. Locate the file **MnM\_postcard\_SAMPLE.pdf** on the desktop and drag it to the Hot Folder **12 x 18 gangup or SRA3 gangup** while holding the **CTRL** key on the keyboard. This will make a copy of the file that will be submitted and retain the original file.
13. The file will be submitted to the Fiery server, the imposition template will be applied, the job will be processed and listed in the Held list.
14. Switch to Command WorkStation to preview the job.
15. Locate the job **MnM\_postcard\_SAMPLE.pdf.dbp** at the top of the Held list and **select it**. A preview of the imposition layout will be displayed in the Preview pane on the right-hand side of Fiery Command WorkStation.
16. To preview the job in a larger window, open Fiery Preview by **right-clicking** the job and selecting **Preview....**
17. The preview of the postcard job will display a **2** row by **4** column gangup layout with trim marks on a 12 x 18 or SRA3 sheet.

You have now successfully:

- Created an imposition template that uses the Fiery Impose feature based on Trim Box
- Created a Hot Folder to apply the imposition template
- Submitted two different size documents using the Hot Folder to automatically print the gangup layout that maximized the sheet surface for each document

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