



# Automate offline finishing with Duplo DC-648 finisher

Fiery FS600Pro/FS600

Create a custom imposition layout with finisher settings for the Duplo DC-648 Slitter/Cutter/Creaser



## Feature overview

Fiery® Impose is the most intuitive PDF-based sheet imposition software on the market. Tight integration with Fiery Command WorkStation®, makeready software, and prepress tools helps automate print job submission.

Fiery Impose templates allow users to save the most common job layouts to automate the imposition process. Templates can also include barcodes and registration marks. These are recognized by the barcode scanner in Duplo finishing equipment using the \* JobID \* format.

The barcodes and registration marks instruct the Duplo finisher on how to position blades, cutters, and creasers to finish the document.

Integrating Fiery Impose with Duplo finishers brings dramatic productivity gains to job preparation and finishing by automating the process. This saves time plus minimizes waste and errors.

This how-to guide provides a simplified prepress setup for a custom job using integration for Fiery Impose and the Duplo DC-648 Slitter/Cutter/Creaser. A new finisher preset layout can be created in Fiery Impose and published to the Duplo controller. A preset layout created in the Duplo controller, and it can also be imported to Fiery Impose so that users can create a template to automate future jobs from job submission to finishing.

This feature is compatible with the Duplo DC-648 Slitter/Cutter/Creaser nearline finisher.

## Objectives

- Fiery Impose preferences configuration for Finisher integration.
- Create a new preset layout using the Finisher Preset wizard.
- Apply imposition to the job and publish the finisher preset layout.
- Receiving the preset layout on Duplo DC-648 Finisher Controller to print.
- Import an existing layout preset from the Duplo finisher controller to Fiery Impose.

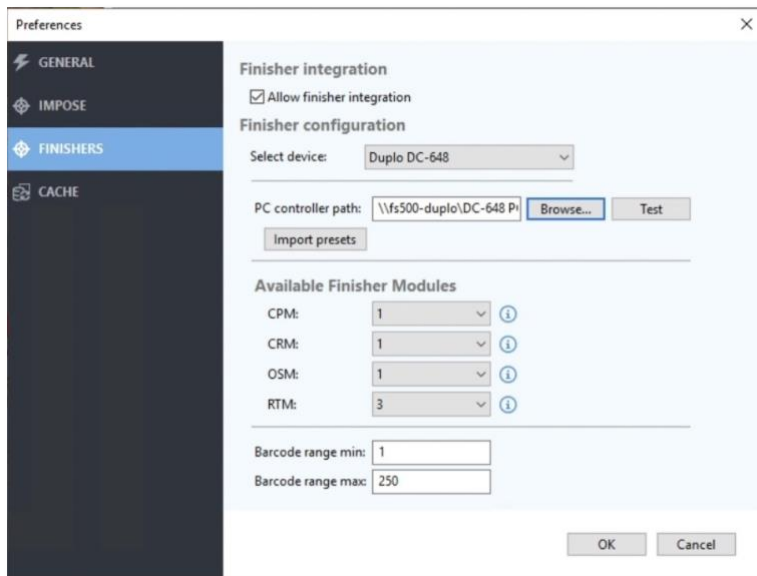
## Additional resources

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

## Before you begin

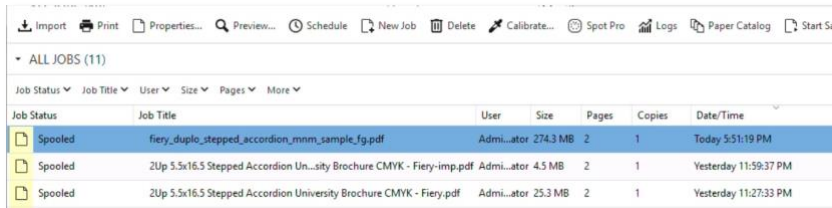
- In case you do not have the Duplo DC-648 Controller configured in your network, follow the instructions in the How-To Guide below, before using this guide: **One-time setup configuration for Duplo DC-648 finisher integration with Fiery Impose.**
- Open Fiery Command WorkStation® 7 or newer or later and connect to at least one Fiery server running Fiery FS350 or above.
- Place the sample file, **fiery\_duplo\_stepped\_accordion\_mnm\_sample\_fg.pdf**, in the Fiery server HELD queue by dragging the file. Or use the Command WorkStation Import menu option.
- Ensure that the printer and Fiery server have been calibrated before printing any output.

## Fiery Impose preferences configuration for finisher integration



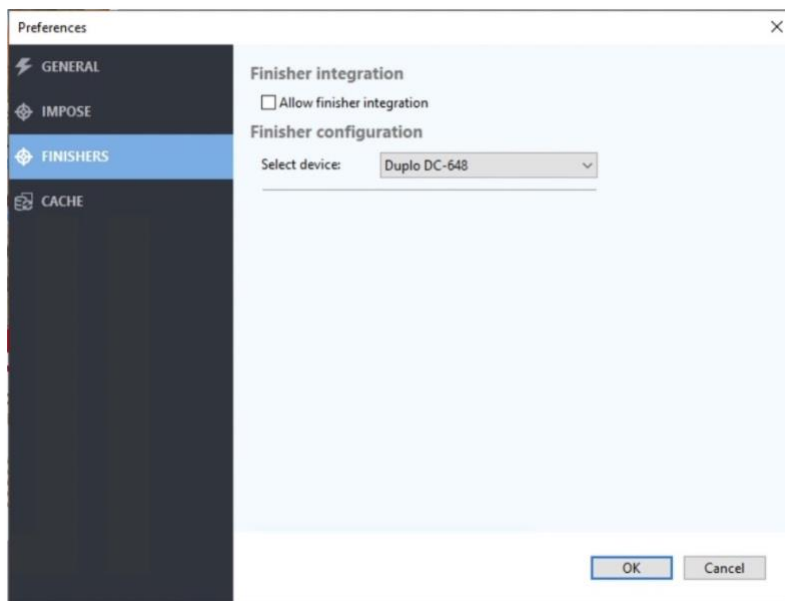
To start using this Duplo Finisher integration, select Duplo DC-648 as the preferred finisher device in Preferences.

1. To begin, place the file **fiery\_duplo\_stepped\_accordion\_mnm\_sample\_fg.pdf** in the Held queue of the Fiery server using Command WorkStation.



Job Status	Job Title	User	Size	Pages	Copies	Date/Time
Spooled	fiery_duplo_stepped_accordion_mnm_sample_fg.pdf	Admin...ator	274.3 MB	2	1	Today 5:51:19 PM
Spooled	2Up 5.5x16.5 Stepped Accordion Un...ity Brochure CMYK - Fiery-imp.pdf	Admin...ator	4.5 MB	2	1	Yesterday 11:59:37 PM
Spooled	2Up 5.5x16.5 Stepped Accordion University Brochure CMYK - Fiery.pdf	Admin...ator	25.3 MB	2	1	Yesterday 11:27:33 PM

2. Right-click on the sample file and select the **Impose...** option from the context menu.
3. Click the Edit menu and select the Preferences option.
4. Then, select the **FINISHERS** tab to enter to the finisher integration setup.
5. Select the **Allow finisher integration** checkbox to enable the finisher configuration.



6. Use the **Select device** drop-down list to choose the **Duplo DC-648**.
7. Select the Duplo **PC controller path** clicking on the **Browse...** button.
8. **Locate** the **Duplo DC-648 PC controller v1.04 shared folder** in the C: drive.

9. Click the **Select Folder** button to confirm.
10. Click the **Test** button to check if the finisher controller is reachable through your network. The test will run, and if it finds the finisher controller, it will show a **successful test connection** message window.



**Note:** The **PC Controller path** field is used to connect to the Duplo finisher controller to enable additional presets to be stored there, and they can be imported using the **Import presets** button in Fiery Impose. This will be covered later in this guide.

11. The **CPM**, **CRM**, **OSM**, and **RTM** module device configuration options here are used to define the number of Crease, Perforation, Slits, and Fold available at the Duplo DC-648 for use.
12. Enter the following values: **CPM = 1**, **CRM = 1**, **OSM = 1**, and **RTM = 3**.
13. The **Barcode range** fields are used to define the **minimum** and **maximum** number range that will be available for the barcode for a specific DC-648.

**Note:** Make sure that the barcode ranges match the range configured on the DC-648 Unit. You will not be able to create a new finisher layout if the DC-648 unit does not match.

14. To finish the preferences configuration, click the **OK** button.

**Note:** Once the preferences settings are confirmed, you need to close the Fiery Impose window so that any configuration changes will be applied the next time that Impose is opened.

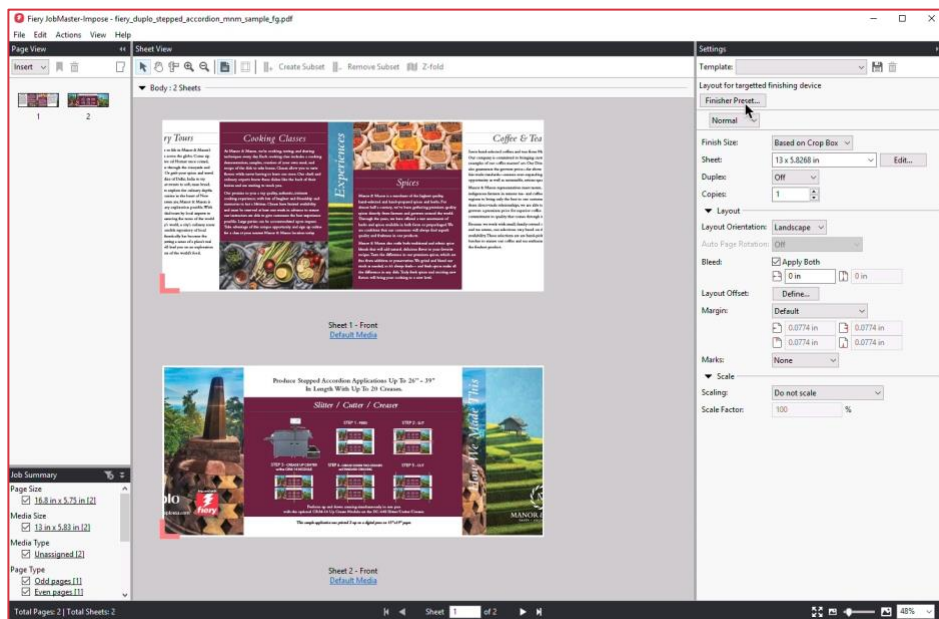
**Close Fiery Impose now and start it again before creating a new finisher preset layout.**

## Create a new preset layout using the Finisher Preset wizard

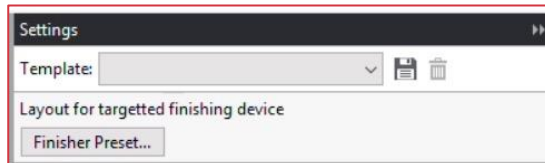
In this section, you will see how to create a new Preset Layout for your print document that will use the Duplo DC-648 Slitter/Cutter/Creaser.

1. Locate **fiery\_duplo\_stepped\_accordion\_mnm\_sample\_fg.pdf** in the Held queue of the Fiery server using Command WorkStation and right-click on it.
2. Choose the **Impose...** option from the context menu.

This brochure file has 2 pages, front and back, and you will create a finished size product of 5.5 x 16.5 inches. The imposition of this file will be a 2-up layout on a 13 x 19in sheet size.

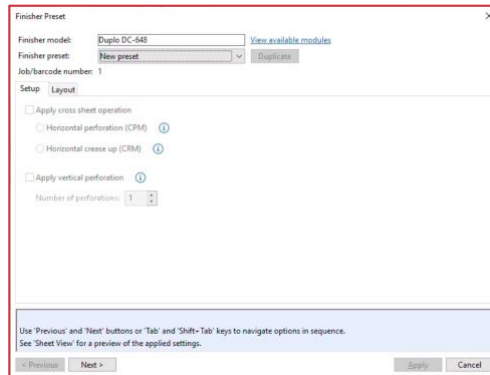


1. Now you will create the new Finisher Preset. Click the **Finisher Preset** button in the Settings panel to start.



- The Finisher Preset wizard window will open showing two tabs for the preset configuration: Setup, and Layout tabs.

**Important note:** This wizard is designed to guide the user to enter the required fields in its sequential order to ensure the finishing parameters are set correctly.

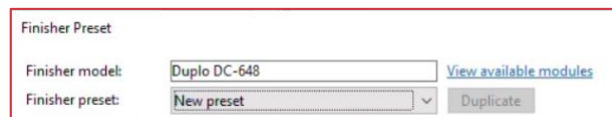


At the bottom of the window, acceptable value range for each field are shown in blue. They will change as you move from field to field.

Use the tab key to move to the next field. Back and forward navigation buttons at the bottom of the window can also be used to move across the fields.

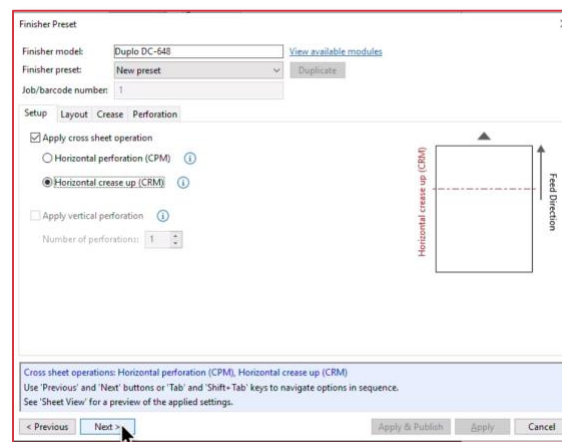
Once all the required fields are completed, you can move to the next tab. Use the **Next > button, or the Tab key**, to go to the following tab or click the Apply button to finish your edits and exit the wizard.

- In this wizard, the Finisher model DC-648 defined in the Preferences comes pre-filled. The **View available modules** link shows the number of device modules that are configured for this equipment. By default, the **Finisher preset** shows the **New preset** option. Use this option to create a new preset from scratch. Click on the **Forward Navigation button** to move to the following field, or alternatively, you can use the **Tab** key.



**Note:** You may also choose one of the existing presets from the drop-down list and adjust if needed. Or you can create a new preset based on an existing preset's values by clicking the **Duplicate** button.

4. Fill in the **Job/Barcode number** with the correspondent ID that will be used for the Duplo finisher controller to identify this finisher setup. For instance, type **1**, and then click on the **Tab** key or **Forward Navigation button** again.
5. For the Perforation setup, **select** the **Apply cross sheet operation** checkbox.
6. Then **select** the **Horizontal crease up (CRM)** radio button. Notice that extra tabs for Crease and Perforation have been added to the Finisher Preset window to help with the configuration. You also see a preview of the horizontal crease on the layout.

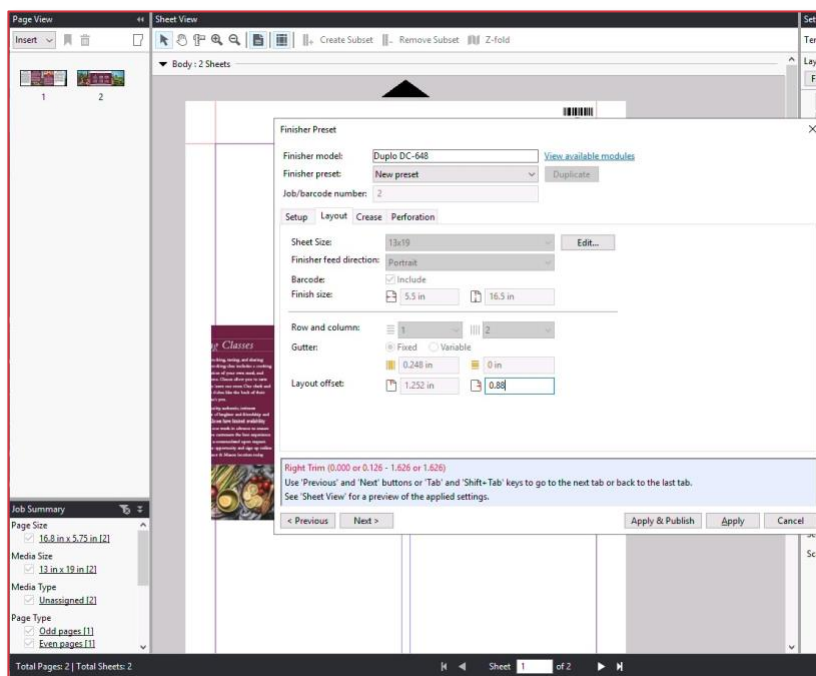


7. Move forward to the next tab clicking on the **Next > button**.
8. On the Layout tab you will setup the **Sheet Size** as 13x19 in and the **Finisher feed direction** as **Portrait** if they are not already defined.
9. Select the **Barcode checkbox** to include the barcode on the imposition sheet.
10. Move to the **Finish size** fields and enter **5.5 in** for the Finish Width, and **16.5 in** for the Finish Height.

**Note:** In this Finisher Preset wizard, you can enter values in **inches** or **millimetres**. Depending on how your **Measurements Units** preferences are configured, the wizard will automatically convert values from one system to another.



11. Enter the Row and Columns values. For **Row** leave as **1** and for **Columns** choose **2**.
12. Now, add Gutter and apply an offset to this layout. Select the **Fixed Gutter checkbox**.
13. Enter **0.25 inches** for the **vertical** value and leave **0** for the horizontal.
14. In the Layout offset, enter **1.25 in for Lead**, and **0.88 in** for the **Side value**.



15. Move to the Crease tab clicking on the **Next > button**.

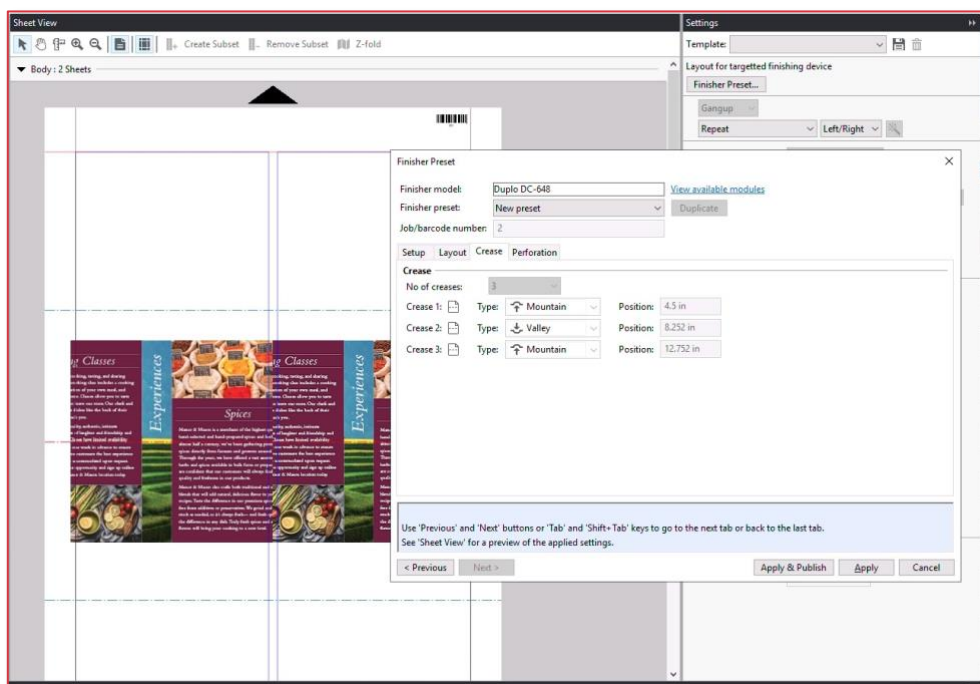
**Note:** The Duplo DC-648 can handle up to **40 creases**, 20 as Mountain (crease up) type and 20 as Valley (crease down) type.

16. In the **No. of creases** list **choose 3**. Notice that new type and position fields will be presented for each crease. Then click on **Next>** or **Tab key**.

17. Enter the following values:

- a. Crease **1**, Type: **Mountain**, Position: **4.5 inches**;
- b. Crease **2**, Type: **Valley**, Position: **8.25 inches**;
- c. Crease **3**, Type: **Mountain**, Position: **12.75 inches**;

**Notice** that layout **Preview** in the **Sheet View** updates automatically in real time to show the creases defined on the front and back of the brochure so you can visually verify the accuracy.



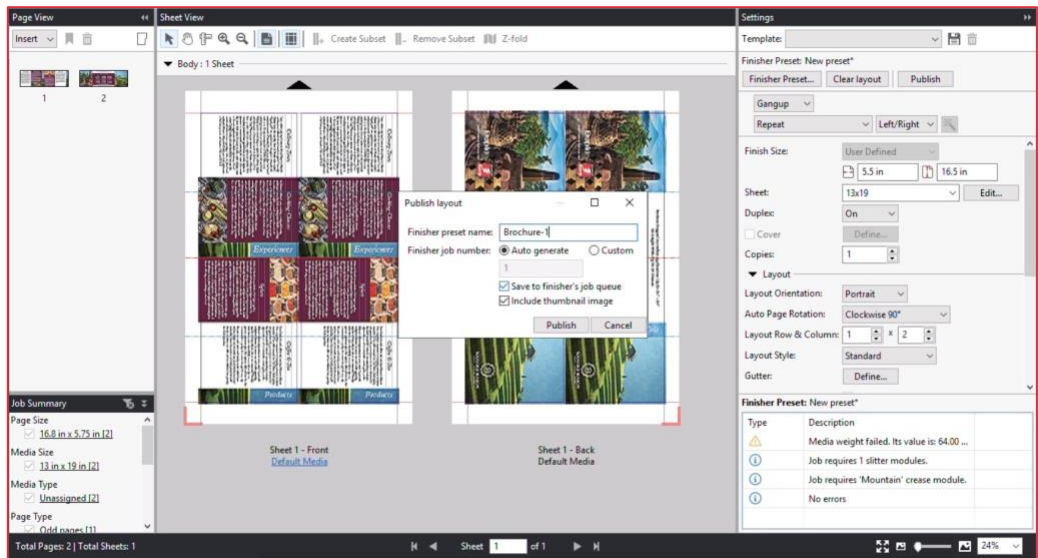
Once you have finished the preset you can *Apply* the preset to this imposition and save it later to the *Duplo finisher controller* after finishing the job using the *Publish* button.

18. **Click** on the **Apply** button for now, and then finish the Imposition for this job.

## Apply the imposition to the job and publish the finisher preset layout

On the Settings panel you can configure the Imposition layout as follows:

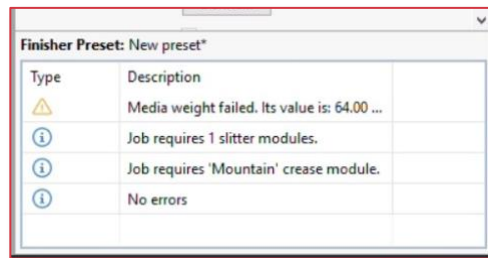
1. Leave the **intent drop-down** as **Gangup** and **Repeat** options. Leave Left/Right as it is.
2. The Sheet size is already defined as **13x19**. Select **On** for the **Duplex** option.
3. Then change the **Auto Page Rotation** to **Clockwise 90** degrees.
4. Click to the **Publish** button.



5. Enter the **Finisher Preset name** as **Brochure-1**.
6. Leave the **Finisher job number** selected as **Auto generate**, that will use the barcode information earlier in the creation process.
7. When this Finisher preset is published to the Duplo PC Controller you can also **save it in the job queue**, and **include a thumbnail image**, so leave those two options selected.
8. Now, click to the **Publish** button to finish.

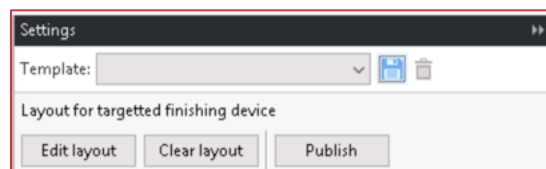
**Note:** At the bottom right of the Settings panel, you will notice a new Finisher Preset validation section.

Errors need to be corrected before a Preset can be sent to the Duplo controller. This screenshot only shows a warning that may need operator attention.



After a finisher layout preset is created, this layout can be saved as a Fiery Impose template so that it can be used for future jobs.

The Fiery Impose template can integrate with Fiery workflow automation applications such as Fiery Hot Folders, and Fiery JobFlow to automate the imposition for future jobs.

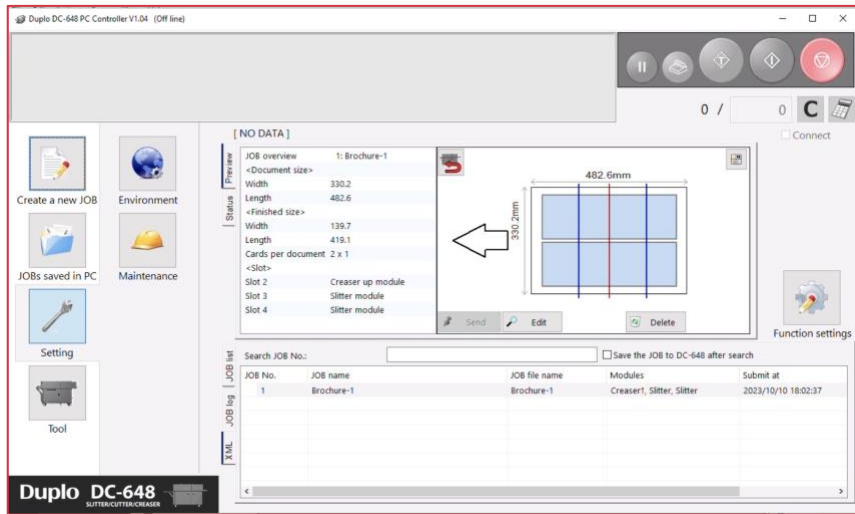


9. To create a new Impose template, **click on the disk icon** located on the top of the settings pane.
10. In the Save Template pop-up window, add the template's name - type **Accordion Brochure 13x19 DC-648**.
11. Then hit the **Ok button** to confirm. The Fiery Impose template has now been saved. The finisher preset info is saved with the Impose template.
12. **Click** on the **X** locate to the right-corner to Close and Save the imposition.
13. The imposition file can be saved on the Desktop or in the Held queue. Select **Held** and **click Yes** to save.

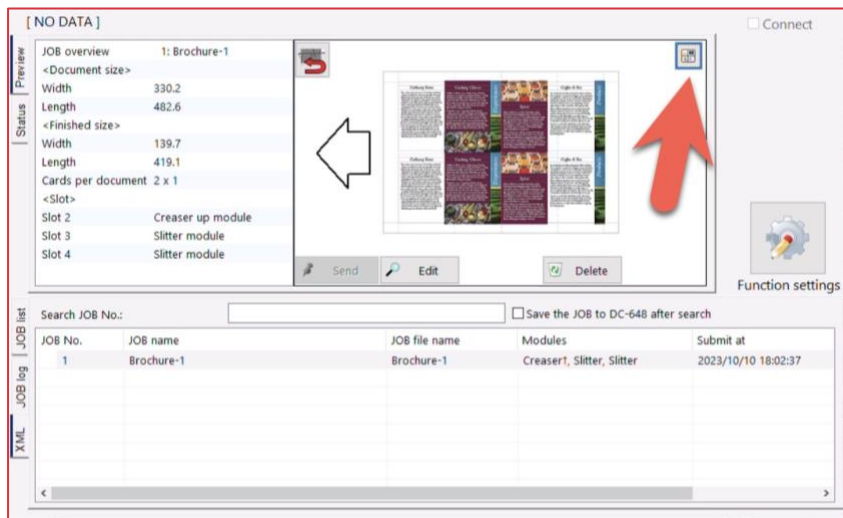
The imposed job will send to the Held queue, and it is ready to print.

## Receiving the preset layout on Duplo DC-648 Finisher Controller to print

1. **Open the DC-648 PC Controller** software to check that the new preset job is added and stored under the 'XML' tab queue.
2. When the Finisher preset is sent to the DC-648 PC Controller, it is stored under the tab '**XML**' queue.



3. The job layout can be previewed in the image section (red arrow) of the PC Controller



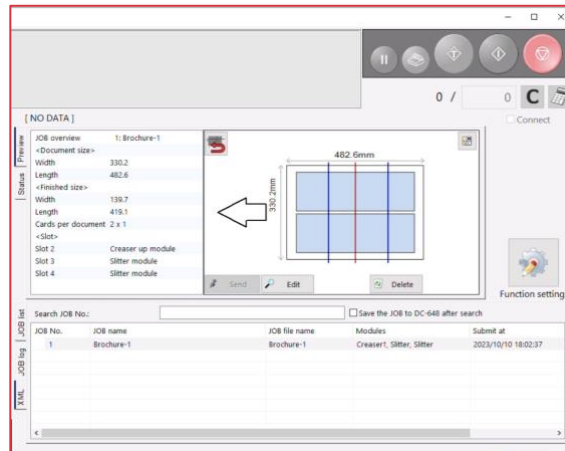
4. With the job selected, users can choose to '**Send**,' '**Edit**' or '**Delete**' the preset job.
5. When '**Send**' is selected, the preset job will be saved onto the PC Controller as an official job. This will override any previously stored jobs for that particular number.
6. When '**Edit**' is selected, the user can edit the parameter of the preset job.
7. And, when '**Delete**' is selected, this will permanently delete the preset job from the job queue and Server.



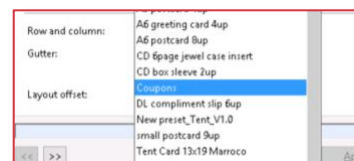
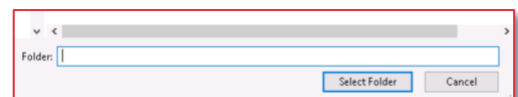
8. Finally, when the preset job template is ready to run. The user can choose to click the blue button on the upper right-hand corner to '**Test**,' or the green button to '**Run**' the preset job template on the DC-648.

## Import an existing finisher layout preset from the Duplo controller to Fiery Impose

In case that you already have finishing layouts created in the Duplo Controller, you can import them into Fiery Impose and make edits.



1. You can import any preset using the **Import presets button** from the **Finisher** option in the **Fiery Impose Preferences** window.
2. After clicking the Import presets button, you need to select the folder where the preset is located using the **Select folder button**.
3. If any new presets were found in that folder, the system will confirm how many were imported in a new window **Message**.
4. Now the preset will be listed in the **Finisher preset list** of the **Create Finisher Preset** wizard, and can be used in a new imposed job.





For more information, please visit [fiery.com](https://fiery.com).



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