

ColorFlow

ColorFlow allows you to correct and alter images prior to flattening/rendering into the product so you can color-correct images separately from the other elements of a creative project. You may still like to correct images in PJP or Fuji for prints, but for books, cards, calendars and the like ColorFlow is the answer. The products that it really has an impact on are collages (metal, canvas, etc), books, and calendars.

[YouTube demo](#)

The Basics

ColorFlow is set up in Lab 50, in the Photo Processing section. From there you create as many channels as you need. Channels can be by product, group of products or global. Each channel will allow you to move production in the manner that makes sense for the correction. You can a channel for each product, groups of products, or all products. The correction can be done on a Noritsu PJP, Fuji Pic, Athentech, Photoshop, Darkroom Pro, or any other program you like.

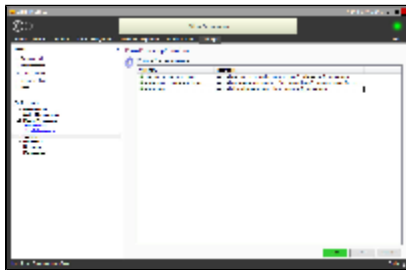
Once you have it set up, the lab workflow goes like this:

1. Book order comes into Lab 50, you hit Print as you normally do.
2. Images are sent from the book to the folder you designate.
3. Your correction program either automatically or manual picks up images, you make the corrections then save them to a different folder.
4. Lab 50 triggers and picks up corrected images, pulls them back into the book, flattens it the photos in with the text, background, and layout, and it goes to print.

Enable ColorFlow

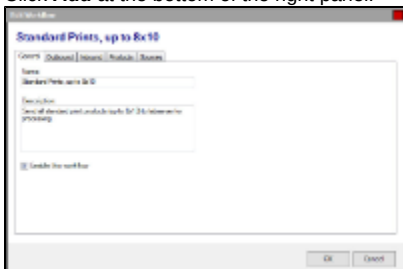
Enable it on the **Photo Processing** screen in Lab 50:

1. At the top of the **Menu** bar, select **Settings**.
2. On the left panel select **Photo Processing > ColorFlow**.
3. Check the box **Enable ColorFlow processing**.



Configure a new workflow for editing photos

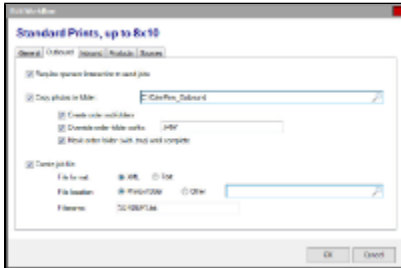
1. Click **Add** at the bottom of the right panel.



2. On the **General** tab, enter a name for the workflow and check **Enable this workflow**.
 - **Name:** A name for your new Workflow. This field is required. Lucidom Support recommends a brief description of products included and /or sizing information. Example: Standard prints, up to 8x10
 - **Description:** A description of the Workflow. This may be used internally to add additional identifying information such as where the photos will be stored or what type of processing will be done.
 - **Enable this Workflow:** The check box enables the use of the Workflow for the selected settings. To temporarily disable a Workflow, un-check the box.

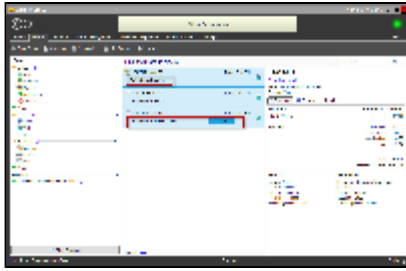
3. For the **Outbound** tab, select how you would like the software to handle orders being sent through this workflow. Your choices are: export to a new folder, create order subfolders, and require lab operator interaction to start the ColorFlow processing in lieu of automatically exporting.

- **Require operator interaction:** If this option is checked, orders will not be sent through for ColorFlow processing until a lab operator manually clicks the **SEND** button. Please see the screenshot to the right captioned "Orders Queued for ColorFlow Processing" as an example of the on-screen notification.
- **Copy photos to folder:** This option makes a copy of the photos for the ColorFlow processing. This setting is generally recommended, otherwise the color correction will be applied to the original photos. If this option is checked, you'll need to enter the folder path to use for saving a copy of the order photos. You should enter the full path to the folder. You may use a local folder, mapped network drive, or network path as long as the user account has read/write access to the necessary folder. If the location for storage is on a networked computer, Lucidigm Support recommends using the UNC path to access the location to minimize connection issues. Example:
 \\labserver\StandardPrints
 - **Create order subfolders:** To create individual order folders within your destination folder, check this box.
 - **Override order folder suffix:** To change the order folder suffix (normally ".order"), check this box and enter the preferred suffix. Do not enter the '.'; for example, if you want the suffix to be ".colorflow", simply enter "colorflow" in this field.
 - **Mask order folder (with .tmp) until complete:** Enabling this option will temporarily rename the order folder to xxxxxxxx.order.tmp, where xxxxxxxx is the order number, until all processing through ColorFlow is complete.
 - **Create job file :** To create a file containing the order number and a list of all photos included in the order, check this box.
 - **File format:** The job file may be formatted as **XML** or plain **Text**. Select the radio button that corresponds with your preferred formatting.
 - **File location:** The job file may be output to the standard **Photos folder** within your Lab 50 configuration, or to another folder by selecting **Other** and entering a location. Lucidigm Support recommends that if you are including a job file that it is output to the same location as your photos folder specified under the "Copy photos to folder" location.
 - **Filename:** The name to use for the job file. Macros that may be entered and substituted at runtime include %ORDER% to use the order number or %TIMESTAMP% to include the date and time.

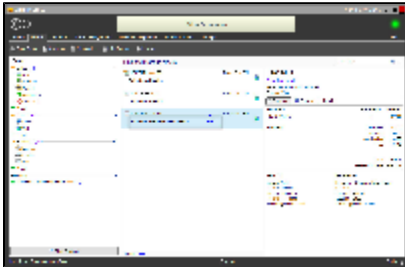


4. Under the **Inbound** tab, select how you would like Lab 50 to find the newly edited photos. The **Inbound** tab configures Lab 50 to find completed, ColorFlow-edited photos. Options include monitoring for photos in a new folder, checking for a folder name change, finding a completion file, or lab operator interaction indicating the editing is complete.

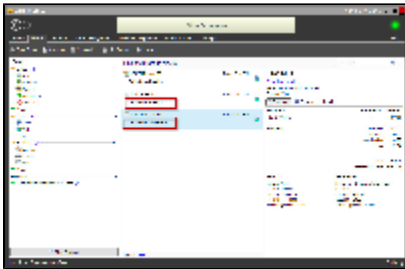
- **Completion Mechanism:**
 - **Require operator interaction:** If this option is checked, orders will not be picked back up by Lab 50 after processing until a lab operator manually clicks the **DONE** button. Use this option when your ColorFlow workflow involves a manual color-correcting process, or the color station offers no automated way to indicate order completion.
 - **Monitor output folder for completion:** Enabling folder monitoring will cause Lab 50 to continually monitor the inbound folder until it contains the same number of photos as were sent out for the order to begin with. If this setting is used, it is recommended that the "Pause after completion" option also be used, to ensure that the color station has time to finish copying the last photo into the folder before Lab 50 begins processing it.
 - **Completion file :** If this option is enabled, Lab 50 will mark ColorFlow processing as complete as soon as the specified file exists. The file itself does not need to contain any data, and can be empty. The full path to the file should be specified, and the %ORDER% and %TIMESTAMP% macros can be used. For example, c:\ColorFlow_Inbound%ORDER%.order\done.txt.
 - **Order folder name change:** If this option is enabled, Lab 50 will monitor the order folder and mark ColorFlow processing as complete as soon as the folder name is changed to match the entered name. A full path should be specified, and can include the %ORDER% and %TIMESTAMP% macros.
- **Inbound photo folder:**
 - **Original outbound ColorFlow folder:** If your color correction will take place on the original files sent from Lab 50 (as configured in your Outbound tab settings) choose this option.
 - **New folder:** If your color correction processing will output the edited photos to a new location, select this option. You should enter the full path to the new folder, and the %ORDER% and %TIMESTAMP% macros can be used. You may use a local folder, mapped network drive, or network path as long as the user account has read/write access to the necessary folder. If the location for storage is on a networked computer, Lucidigm Support recommends using the UNC path to access the location to minimize connection issues.
- **Pause after completion:** To add a delay between ColorFlow completion being recognized and Lab 50 continuing with its order processing, check this box and indicate the amount of time in seconds to delay. This setting is particularly recommended when the "Monitor output folder for completion" mode is used.



Lab 50 Monitoring for Photo Editing Completion



Order Editing Completed and Next Order Queued



ColorFlow Indicators on the **orders** screen

There are six order status values that may be displayed on the **Orders** screen while processing orders through ColorFlow. All ColorFlow status updates are prefaced with **ColorFlow:** and appear directly under the order number for any given order.

The order status indicators include the following:

- **Holding:** The *holding* status appears when ColorFlow has been configured to only process one order at a time. Options that will require single-order processing include the following:
 - The option to "Copy photos to folder" is disabled under the **Outbound** tab.
 - The option to "Create Order Subfolder" is disabled under the **Outbound** tab, and the option to "Copy Photos to Folder" does not include an %ORDER% macro.
 - The "New Folder" option is enabled under **Inbound** tab > "Photo Output Folder", but the "New Folder" path does not include an %ORDER% macro.
- **Ready to Send:** This status is displayed if the "Require operator interaction to send" option is enabled. To start the ColorFlow Workflow, the lab operator will need to manually click the **SEND** button.
- **Preparing:** This notification is displayed while Lab 50 is copying photos and any necessary order files to the editing folder for processing.
- **Waiting for Completion:** This option is displayed on-screen while Lab 50 monitors for processing completion. If the Workflow is configured to "Require operator interaction to complete", a **DONE** button will be displayed for the operator to manually indicate completion. If the Workflow is configured to monitor the inbound folder, folder name, or for a file complete indicator, a spinning icon will be displayed until the required completion mechanism is reached through file count, folder renaming, or file creation.
- **Processing Output:** This notification is displayed while Lab 50 is copying edited files back into the database for rendering the final product(s).
- **Complete:** ColorFlow processing is complete, and the order will be sent to print after a slight pause to allow for the software cache to update.

1. Can be used for any PF or kiosk product, from regular prints to cards, books and other products?
 - a. Yes.