

Workbench

HowTo – Paired Deimposition Output

The following guide will build on the HowTo – Submit Files for Deimposition documentation and add some extra functionality. We will be using the files located in the *deimposition_guide.zip*. also available for download.

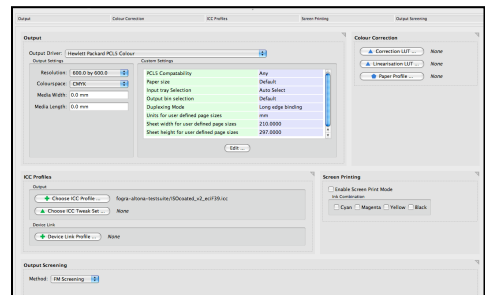
For saddle stitch and perfect bound jobs we can print paired pages and fold them. For an A4 job this means printing on an A3 sheet and folding it into 16 page sections.

Configuration

The first stage is to configure the Media, Output and Pagesetup in the Workbench.

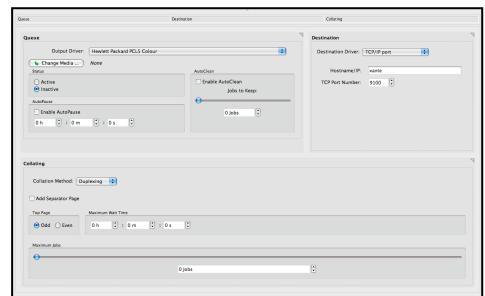
Media Configuration

1. Select Media from the data types list in the Workbench and create a new one. Give it a name you will remember.
2. Select the Output Driver as Hewlett Packard PCL5 Colour.
3. Select your resolution and colourspace as CMYK.
4. Change the Paper size in the Custom Settings to A3.
5. Allocate an Output ICC profile, ensuring this is a CMYK one.
6. Save the Media configuration settings.



Output Configuration

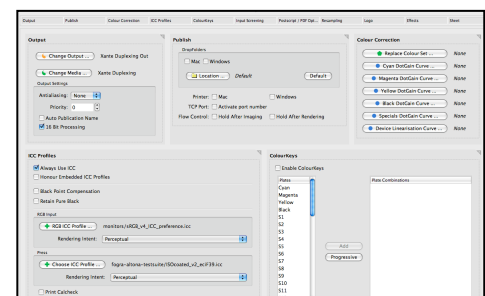
1. Select Output from the data types list in the Workbench and create a new one. Give it a name you will remember.
2. Select the same output driver as done with the Media and configure the destination driver settings.
3. Select Duplexing under Collation Method and save the Output.



Pagesetup Configuration

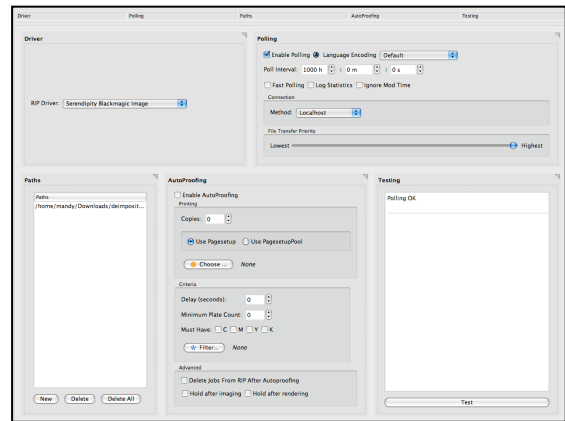
1. Select Pagesetup from the data types list in the Workbench and create a new one. Give it a name you will remember.
2. Click the Change Output button and allocate the Output created above to the Pagesetup. Do the same for the Change Media option.
3. Set up your ICC profiles as required and save the Pagesetup.

Once the above has been done, the next stage is to configure a RIP to poll the files. This is optional, as you are able to submit the Serendipity Blackmagic Image files via the Application Menu > Submit Files for Deimposition option. A RIP will be required for and jobs using a dedicated input filter.



RIP Configuration

1. Select RIP from the data types list in the Workbench and create a new one. Give it a name you will remember (for example, BImage Local).
2. Select Serendipity Blackmagic Image from the list of available RIP Drivers.
3. Enable Polling, select the method as Localhost and set the Poll Interval to 1000h (hrs). We do not need to continually look for new files so a long poll time is fine).
4. Create a new path to the folder where the Ripped image files are located.
5. Click the Test button and Save and Test when prompted. Make sure the test returns a result of "Polling OK". If not, correct any errors until the test is successful.

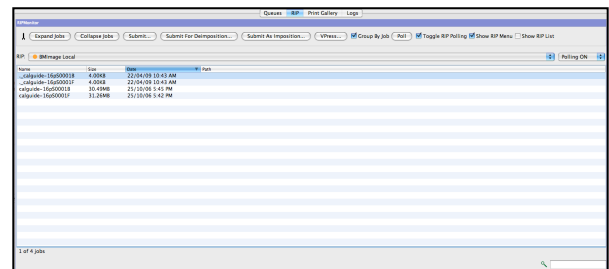


Once the RIP has been configured, use the RIPMonitor to see the polled pages and make sure they view correctly.

1. Select your RIPMonitor from the Monitor window or launch a new one.
2. Choose the RIP BImage Local and make sure polling is enabled/on.
3. Click on the Poll button three (3) times.

Any jobs should appear in the RIPMonitor after the three polls have completed. If they do not appear, you will need to review your configuration and try again.

The jobs will only show a single black plate as the input filter does not parse the job looking for plates. Once the jobs appear you are ready to move to the next stage.

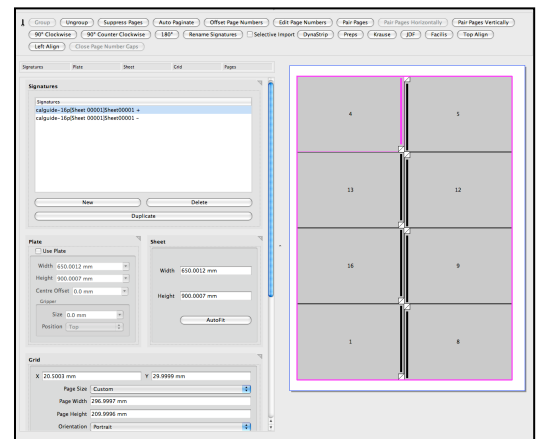


Importing the Signature

The next stage is to import the signatures used to deimpose the job.

The Signature Group has a number of import filters for the various imposition packages supported. To import your own signature, choose the filter that matches. For this example, we are importing Dynastrip signatures.

1. Select the Signature Group data type from the list in the Workbench and create a new one. Give it a name you will remember.
2. Make sure that the Selective Import option is not enabled and click on the Dynastrip button.
3. Browse to the location of the signature file, select it and click Open.



Our example will import two (2) signatures. Each signature will be an 8UP – one for the front (marked with a +) and one for the back (marked with a -).

4. Confirm your signatures have the correct orientation, rotate if required and Save the Signature Group.

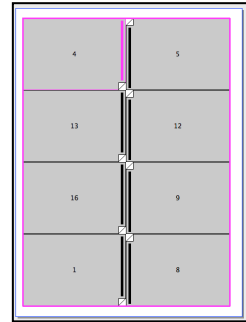
You are now ready to pair the pages.

Pairing Pages

Within the Signature Group:

1. Select the first signature in the list under the Signatures panel and click on page 4 (if you are using the Serendipity example files).

The first thing you will notice is a pink line around the whole signature and the individual page. This means that the pages are all grouped together. For pages to be grouped, certain criteria must be true; most importantly they must be the same size and positionally in-line with each other. Pages must group for any pairing to occur.

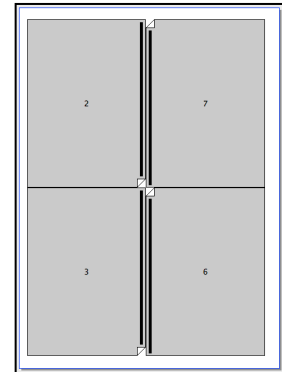
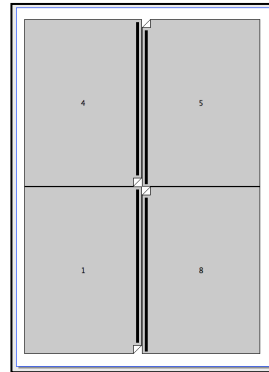


There are two (2) page pairing buttons available – Pair Pages Horizontally and Pair Pages Vertically. For this example, the Pair Pages Horizontally button is not available due to the head direction being in the opposite direction. Heads must be in the same direction within a pair. Selecting another page from the other signature will give the same result.



Our example job is a 16-page 8UP A4 imposition. By pairing the pages within the signature and forming one page from two, we are changing the deimpose area of the job.

2. Select page 4 in the first signature and click the Pair Pages Vertically button.
3. The pages will pair and take the lowest page number from the pair and assign it to the new page (see image right).
4. Once the pages have been paired repeat the procedure for the other signature file.
5. Save the Signature Group when done.

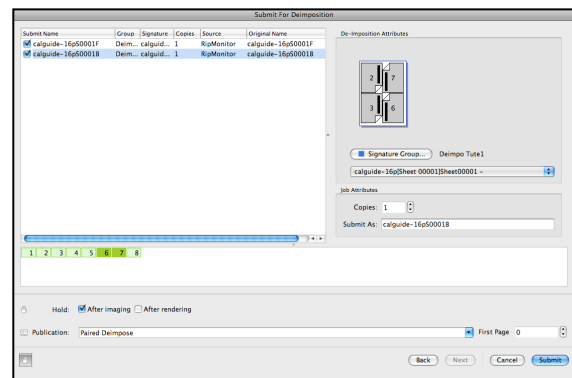


You are now ready to submit the jobs for deimposition.

Submitting for Deimposition

Now the jobs are in the RIPMonitor and the signature has been imported, we are ready to submit the jobs.

1. Select the RIP BImage Local in the RIPMonitor.
2. Highlight the two jobs called *calguide-16pS0001B* and *calguide-16pS0001F* in the list.
3. Click on the Submit For Deimposition button.
4. Select your Pagesetup and Media for processing (created earlier).
5. Give the publication a name, enable Hold after Imaging and click Next.
6. Select the jobs in the list and click the Signature Group button.
7. Allocate the Signature Group to the files. The pages should display in green and be complete from page 1 to page 8 when correctly assigned. The pages will appear purple/red if the same signature has been assigned to each page. Adjust via the dropdown accordingly to ensure the correct signatures are assigned to the pages.
8. Once the signatures are correct, submit the files for processing.



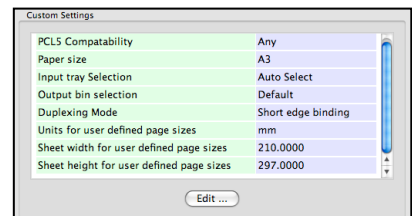
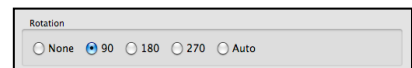
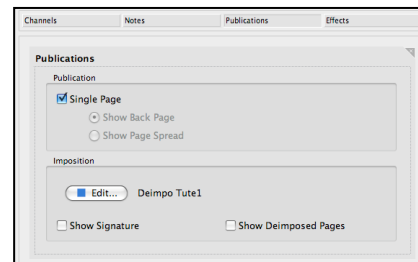
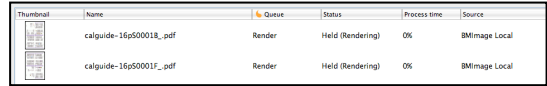
The job's progress can be viewed in the QueueManager.

Checking the Imaged File

Once the jobs have passed through the imaging process they will be in a “Held (Rendering)” state in the QueueManager, as we ticked the Hold After Imaging box.

This gives you the opportunity to view the Imaged file against the signatures to see if they fit and make any adjustments (if required) before rendering takes place.

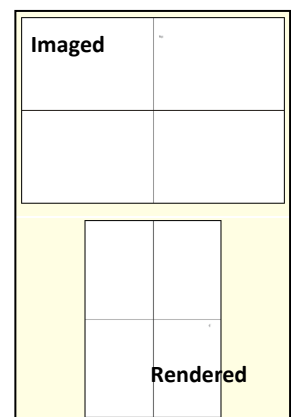
1. Select both jobs in the QueueManager list and click the View Imaged button. This will open a SoftProof window with both images displayed.
2. Resize the images so they both fit within the screen (zoom out).
3. Select the Tools Menu > Panels and enable the Publications section if it is not automatically appearing.
4. Enable the Show Signature option under Imposition to display the signature overlay on the Imaged files in SoftProof. This will allow you to see if any rotation is required. The signatures can be edited via the Edit button if needed.
5. Once you are happy with the jobs, release them to be rendered and ready for duplexing.
6. In the print queue for the A3 output, select pages 3-8 and hold them.
7. Duplex and output pages 1 and 2, making sure there is A3 paper in the printer.
8. Check the printed output. Depending on the printer’s duplexing module, you may have the correct output. For this example, the Xante has incorrect orientation and adjustments will need to be made.
9. Select one of the pages from the job just printed, e.g., page 1.
10. Right click and select Configure > Edit Pagesetup > Sheet Attributes.
11. Change the Rotation to 90 degrees and click OK to apply the changes and close the window.
12. Select both jobs (pages 1 and 2) and render again. This will now rotate the pages during the rendering phase.
13. Once rendering has finished, duplex the jobs and check the output. The pages should now be in the correct orientation however, the back side may be 180 degrees to the front page. This is caused by the duplexing mode (binding) set in the Media custom settings.
14. To change the duplexing mode, select the first page from the job again, right click and select Configure > Edit Media > Output.
15. Click Edit in the Custom Settings panel and change the Duplexing mode to be Short Edge Binding.
16. Click Accept and OK to save the changes and close the window.
17. Select both jobs again (pages 1 and 2) and render once more. The pages should now back up correctly.



The final thing to check is the centering for the A3 pages. To do this, we need to find the printable area of the page.

Finding the Printable Page Area

1. Create a job with the same page size as the duplexed job. In this example, it is an A3 job.
2. Draw a cross from edge to edge through the middle in both the horizontal and vertical direction.
3. Duplex and print the job to the queue used previously.
4. When the job has printed, measure the length of both lines. This indicates the printable area of the page.
5. Open the Pagesetup and go to the Sheet panel. The easiest option for updating the Pagesetup is to right-click, select Configure > Edit Pagesetup > Sheet Attributes.
6. Enter the Width and Height of the printable area. The important thing to remember is that rotation occurs before centering, so the width and height are transposed. Check the job info from the printed job (for page dimension



checking). These are printed in W x H order so you can use it as a guide.

| | |
|-----------------|---------------------|
| Page Dimensions | 284.48mm x 411.99mm |
|-----------------|---------------------|

7. Enable both of the Centering options for Vertical and Horizontal.
8. Save/Apply the changes, render both jobs again and duplex to see the results.

Once the job is centred you can print the whole publication. Either submit the job again for deimposition, or select the pages in the QueueManager and render them again.

Only jobs in a "Done" state can be re-rendered; any "Waiting to Duplex" need to be cancelled and then submitted for rendering again.

Workbench

HowTo – Create a Folding Sheet

When using the deimposition feature, the resulting output is a completed publication, e.g., a book or magazine. To get to that stage, we have imported the signature templates used to create the job and we have used the RIPped job as the incoming data.

Some users still like to have the imposed sheet, backed up in hardcopy so they can fold it themselves. This is very easy to produce and for this HowTo, we will take the same job and signature as the above HowTo – Paired Deimposition Output and print them on the Xante in a reduced format.

The first step is to create the Pagesetup in order to shrink the job.

1. Select Pagesetup in the Workbench data types list, locate the one created for the previous HowTo and duplicate it.
2. Change the name to distinguish the Pagesetup as the A3 reduced imposition.
3. Scroll to the Sheet panel and change the fitting method to “Fit Width & Height”. The width & height settings should already be listed from the previous configuration, so this will now shrink the page proportionally to fit in the defined area.
4. Select Rotation of None as the job is imaging in the correct output orientation and there is no need to rotate it further.
5. The centering options should also still be enabled so the pages back up correctly.
6. Save the Pagesetup when done.

The next step is to submit the jobs via the RIPMonitor.

1. Go to the RIPMonitor and select the RIP list with the jobs in it. Make sure the sort order has the front sheet above the back.
2. Select both jobs and click the Submit button. This will display the standard Submit window.
3. Select the Pagesetup and Media to send the jobs to.
4. Enter a publication name and set the First Page as 1.
5. Click Submit to finish and send the jobs for processing.

As we ensured the front sheet was first in the list, this will be assigned the first page number, which in this case is 1. All subsequent pages are numbered accordingly in order.

The jobs will follow the same course as before, only this time no deimposition takes place. The jobs will fall through to the print queue and go into a “Waiting to Duplex” state.

6. Duplex the jobs and print them out to see the output. It should look something like this on an A3 sheet (see image).
7. Open the image in SoftProof to view the back page as a show through to check your job.

The job can also be sent to an A4 size sheet just as easily, following the same principles as outlined above. Make sure that you view the rendered output prior to duplexing and printing to check for correct orientation. If not, rotate the page and submit the job again.



If you do not need to rotate the job, submit the job again from the RIPMonitor, otherwise the size will be smaller. This is due to the imaged file already being in a reduced state to fit width and height, so the rotated output would be smaller still.