

This tutorial demonstrates how to create double sided jobs.

Download the Asanti Sample Files via the Asanti Client (Help > Asanti Online > Download Sample Files).

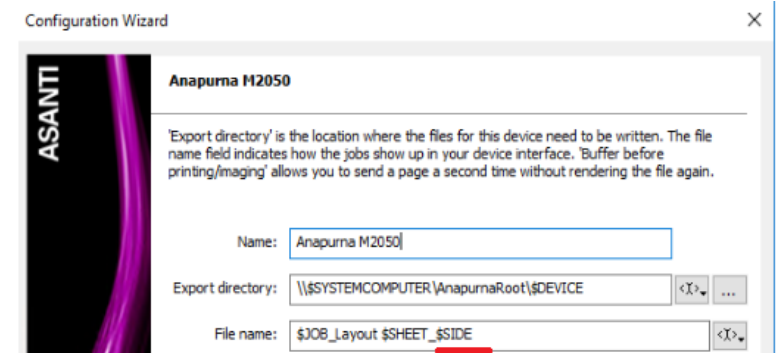
To send double sided jobs to Tauro, minimum FrontEndManager 2.9.2 must be installed. This is a component that runs on your Tauro PC. Check with your service technician which version is installed. For all other printers there is no requirement/limitation to have a specific version.

1. Configure printer output file names

For Tauro there is no need to configure a file name convention for double sided work, this is done automatically.

For other printers it is useful to add a variable \$SIDE to the output file name convention.

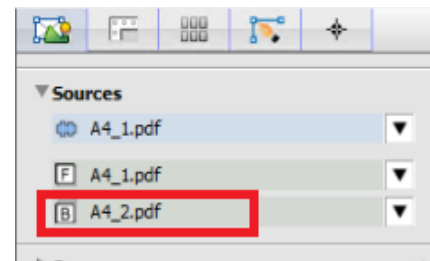
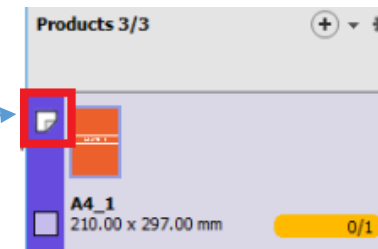
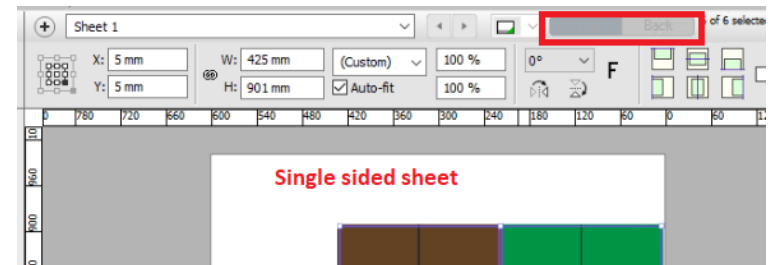
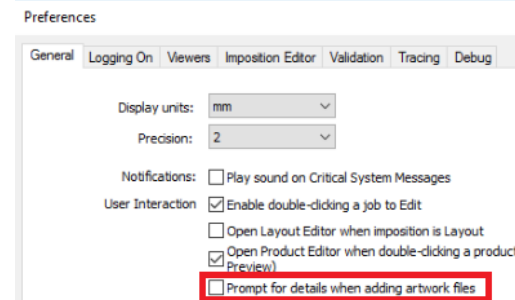
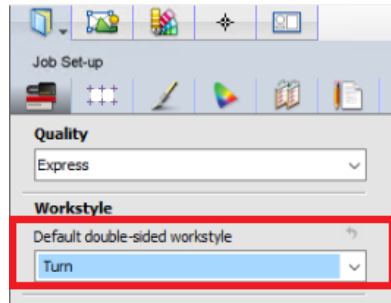
1. Open Asanti client.
2. Click Help menu>Configuration Wizard.
3. Click next until you see the settings of your printer.
4. Add \$SIDE to the file name field. E.g. full file name:
\$JOB_Layout \$SHEET_\$SIDE
5. Click next, next,... and click finish.



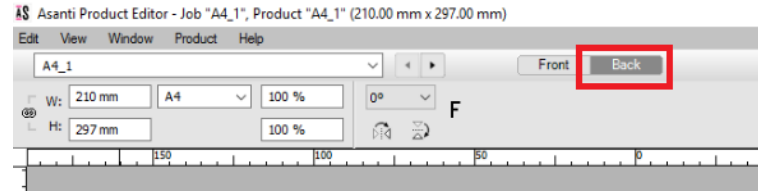
For cutters there is no need to add \$SIDE to the file name because only the cut files for the front sheets will output.

2. Create double sided products

1. Select Edit > preferences.
2. Uncheck "Prompt for details when adding artwork files". If this checkbox is enabled, a dialog box is shown when import files. For the exercises we will turn off this preference.
3. Click OK.
4. Select File > New Wide Format Job.
5. Select a printer.
6. Set the default workstyle to "Turn".
7. Set sheet size 600x700mm.
8. File>Add products...
9. Open A4_1.pdf, A4_2.pdf, A4_3.pdf, A4_4.pdf and A4_5_6.pdf (from the Double Sided folder in the SampleFiles.).
6 single sided products are created.
10. Drag all products to the sheet. The Front and back tabs are disabled for both sheets. When dragging only single sided products to sheets, you get single sided sheets.
11. Sheet menu > Delete sheets > Delete all.
12. Select all products in the products pane.
13. Context click a product > Convert to double-sided product(s).
Products A4_1, A4_3 and A4_5_6 are now double sided. This is visible by the icon next to the product.
14. Double click product A4_1. This opens the product in the Product Editor. In the sources section you see front artwork is set to A4_1, back artwork is set to A4_2.

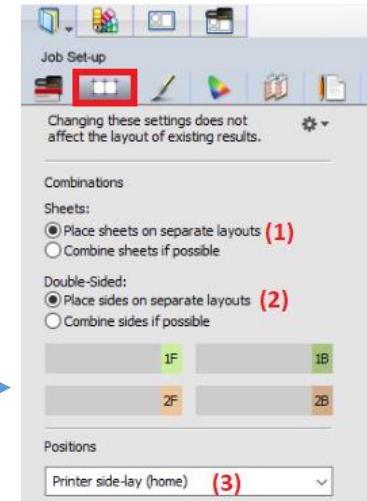


15. Click the “Back” button to view the back artwork.



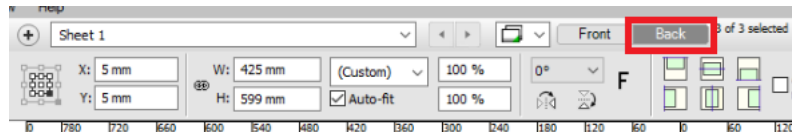
16. Click apply to return to layout editor.

17. Open the layout sheets inspector. Enable “Place sheets on separate layouts” (1) and “Place sides on separate layouts” (2). With this setting, a single side will be placed per layout. Select positions to printer side-lay (Home) (3).



18. Drag all products to the sheet. The Front/back buttons become available.

19. Click the “Back” button to view the back side of the sheet.

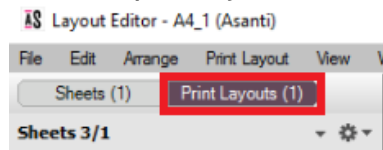


The back artworks are positioned horizontally at the opposite side of the sheet because workstyle “turn” is used.

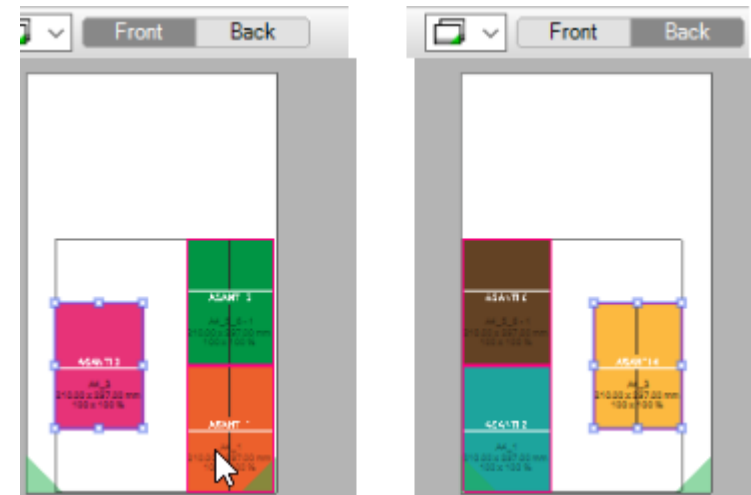
20. Move one of the products on the sheet.

21. Click the “Front” button to view the front sheet. The product is also moved on the front sheet.

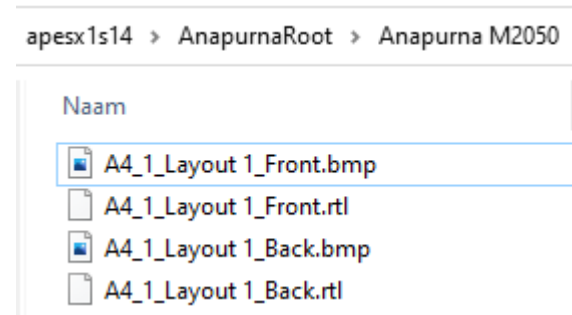
22. Click the print layouts button.



On the front layout, the front sheet is placed.

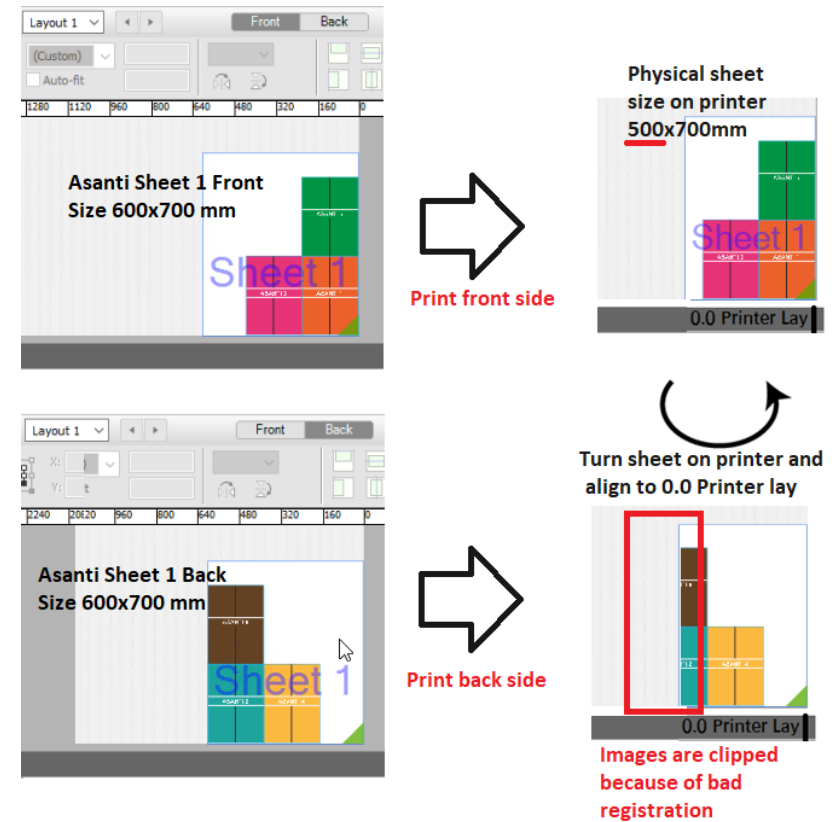


- 23. Click the “Back” button to view the back layout. On the back layout, the back sheet is placed.
- 24. Submit > Make and send to printer.
If you have a Wide Format device task processor that writes files to disk, you can inspect the file names on disk (e.g. in ...\\XShare\\AnapurnaRoot\\Anapurna M2050\). The file name should contain Front/Back.






3. Align the back sheet for perfect registration

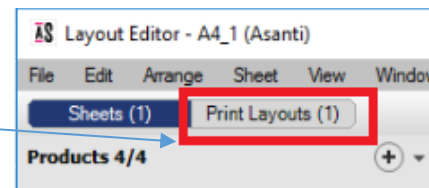
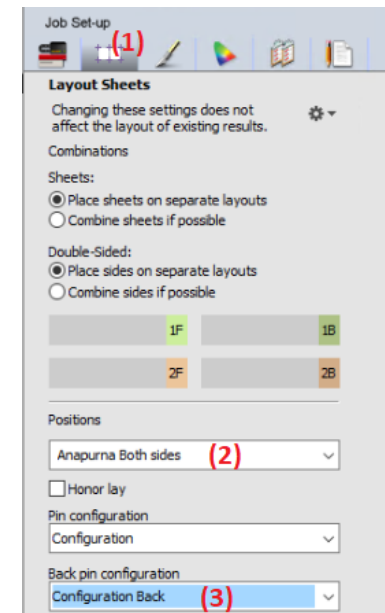
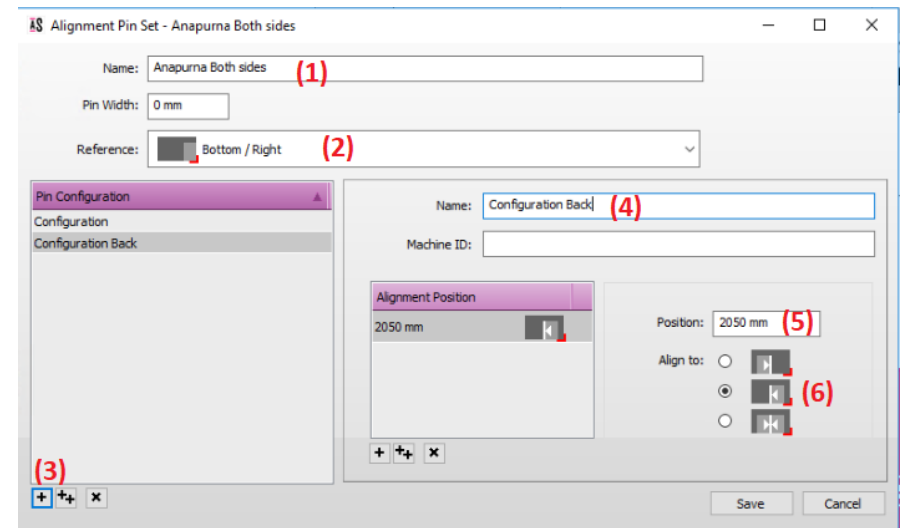
When printing the back side and the actual width of the physical media is different from the sheet width specified in Asanti, bad registration of front and back images will appear. It can already happen with 1 mm but in this example we use 100 mm to clarify it.



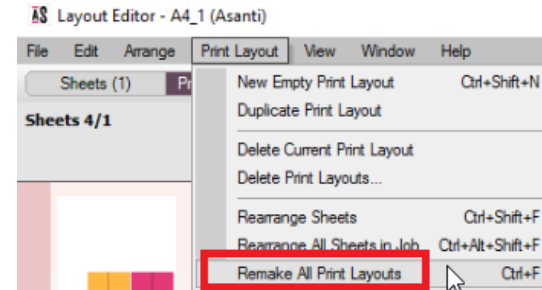
Solution: Align the back Sheet at the opposite side.

To align the back side to the opposite side:

1. Edit the job from the previous exercise.
2. Window > Resources > Alignment Pins Sets.
3. Click + to create a new pin set.
4. Enter a name for the pin set. (1)
5. Select a reference. This is the physical lay of the printer (2):
 Tauro: Top/Right.
 Jeti Printers: Bottom/Left.
 Anapurna: Bottom/Right.
6. Click + (3) to add a new Pin Configuration.
7. Change the name of the configuration to "Configuration Back" (4).
8. Select the Alignment position.
9. Change the position to e.g. for Anapurna M2050: 2050 mm (5).
 This position should be bigger than the sheet you print. The maximum position is the maximum print width of the printer (e.g. 2050mm for Anapurna M2050).
10. Change Align to (6):
 Tauro: Sheet at the right side of the pin. 
 Jeti Printers: Sheet at the left side of the pin. 
 Anapurna: Sheet at the right side of the pin. 
11. Click Save.
12. Go back to Layout Editor.
13. Click the Print Layouts button.
14. Open the Layout Sheets inspector (1).
15. Select Positions > Your alignment pins resource (2).
16. Select Back pin configuration: "Configuration Back" (3).

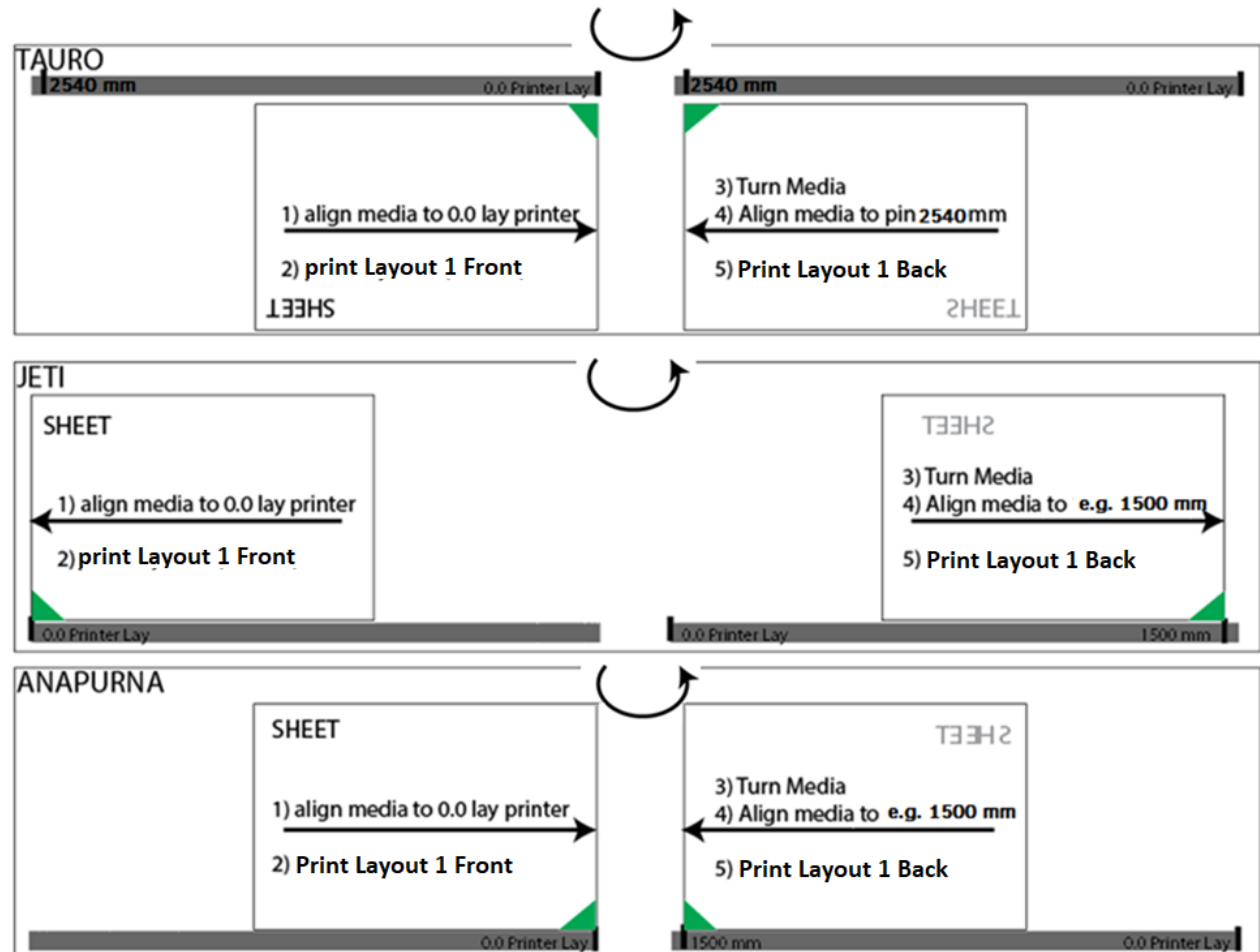


17. Print Layout menu > Remake All Print Layouts.
18. Select the “Back” to view the back print layout. The back sheet is aligned to the opposite pin.
19. Submit job > Select “Make and send to printer”.



The following sequence needs to be done to print the job:

1. On the printer align the media to the 0.0 lay.
2. Print Layout 1 Front.
3. Turn media.
4. Align the media to the pin set on e.g. 2050 mm.
5. Print Layout 1 Back.

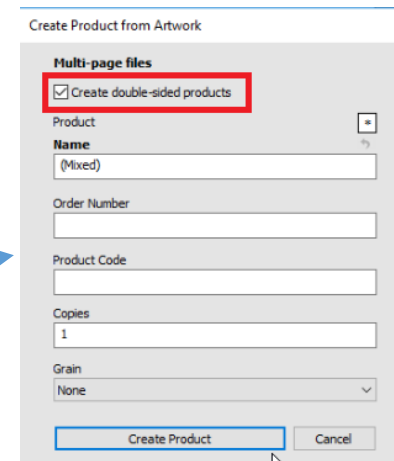


4. Use an import dialog to create double sided products

1. Select File > New Wide Format Job.
2. Select a printer.
3. Hold the shift key and click **+** in the available products pane.
4. Release the shift button.

5. Open A4_1.pdf, A4_2.pdf, A4_3.pdf, A4_4.pdf and A4_5_6.pdf.
6. A dialog is shown. Enable “Create double-sided products” and click “Create product”.

3 double sided products are created.

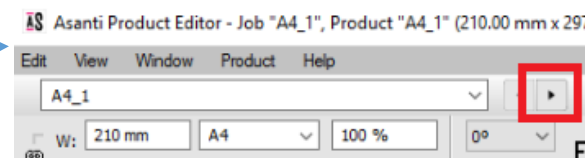
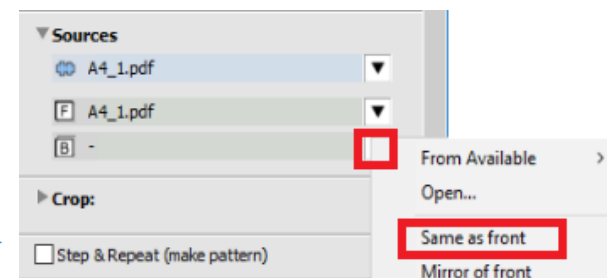




If client preference “Prompt for details when adding artwork files” is enabled, this dialog always appears when importing artwork.

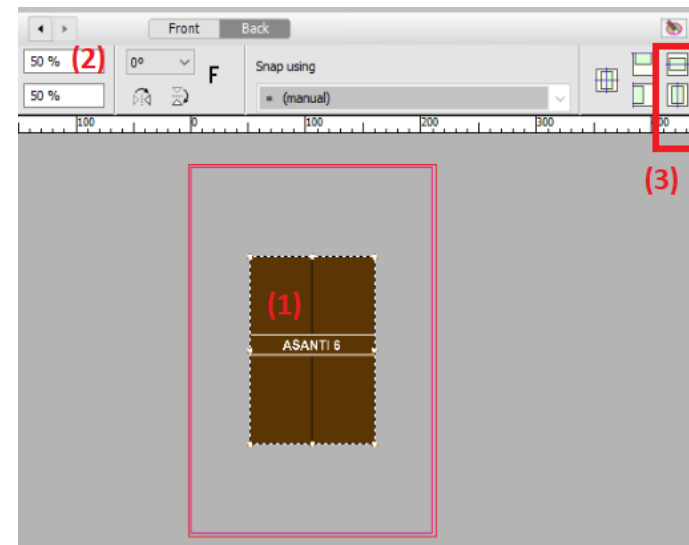
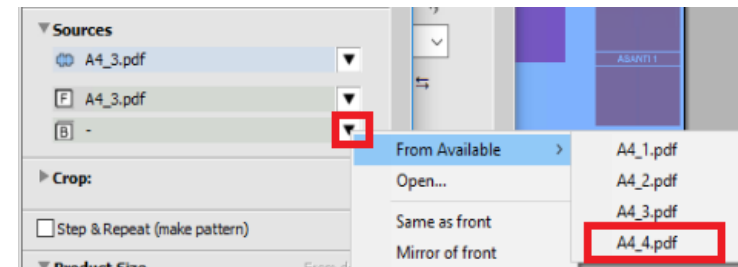
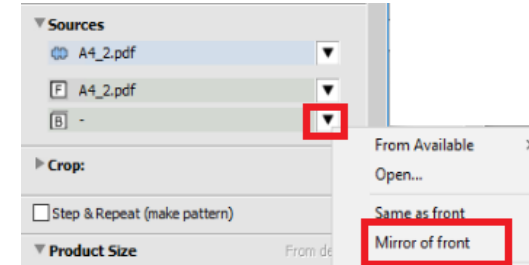
7. Submit job > Delete job.

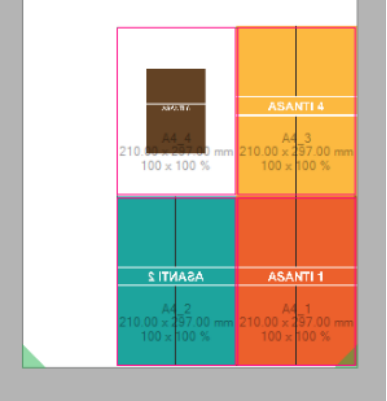
5. Create products with equal/mirrored back side

1. Select File > New Wide Format Job.
2. Select a printer.
3. File > Add Products...
4. Open A4_1.pdf, A4_2.pdf, A4_3.pdf, A4_4.pdf.
5. Double click product A4_1. This opens the product in product editor.
6. In the sources section click the drop down for the back artwork.
7. Select “Same as front”.
8. Click the “Back” button, the back artwork has the same content as the front. Click again the “Front” button.
9. Click **▶** to browse to the next product.




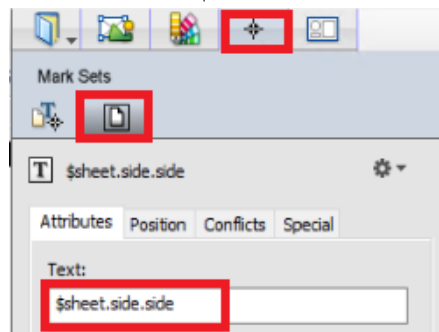
10. In the sources section click the drop down for the back artwork.
11. Select "Mirror of front".
12. Click the "Back" button, the back artwork has the same content as the front but mirrored.
13. Click  to browse to the next product.
14. In the sources section click the drop down for the back artwork.
15. Select "From Available". This shows a list of all available artworks in the current job. Select A4_4.pdf. This assigns A4_4.pdf to the back.
16. Click  to browse to the next product.
17. In the sources section click the drop down for the back artwork.
18. Select "Open...".
19. Open A4_5_6.pdf. This assigns the first page of A4_5_6.pdf to the back.
20. In the sources section click the drop down for the back artwork.
21. Select From available. Select A4_5-6 - 2.pdf. This assigns the second page of A4_5-6.pdf to the back.
22. Click the "Back" button.
23. Click on the thumbnail of the artwork (1). This allows you to resize the artwork on the back. Change scaling to 50% in the position toolbar (2).
24. Center the artwork horizontally and vertically (3).



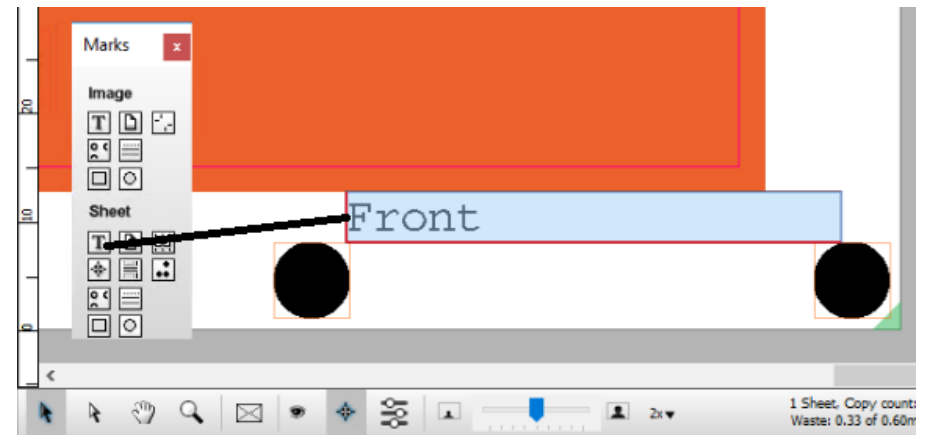
- 25. Click apply to return to Layout Editor.
- 26. Drag all products to the sheet. The Front/Back buttons become available.
- 27. Click the “Back” button to view the back side of the sheet. The back sheet should look like the screenshot. 
- 28. Submit job > Select “Make and send to printer”.

6. Use marks for double sided jobs

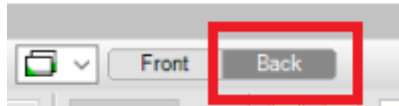
- 1. Edit the job from the previous exercise.
- 2. Open finishing inspector.
- 3. Set Finishing margins to “iCut Corner Marks between 10”.
- 4. Select cutter Zünd.
- 5. Sheet menu > Rearrange all Frames in Job.
- 6. iCut marks are placed around the products block on the sheet on front and back sheet.
- 7. Open the Marks palette.
- 8. Drag a sheet text mark underneath the image that is placed in the lay corner. 
- 9. Open the Marks inspector.
- 10. Enter the text \$sheet.side.side



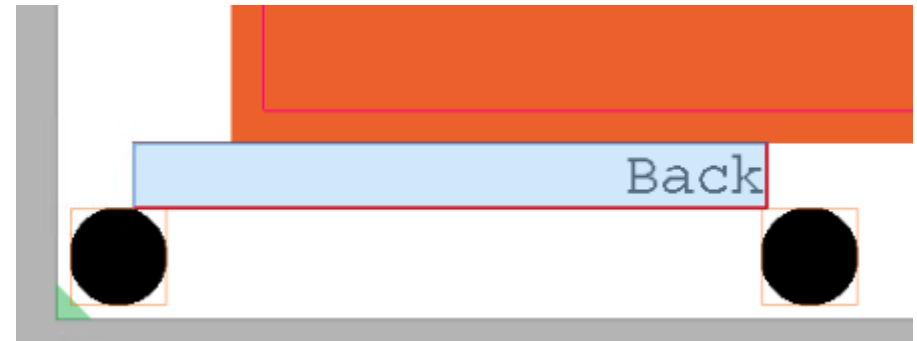
- 11. On the front the text “Front” is shown.



12. Click the Back button to view the back sheet.



13. The text "Back" is shown at horizontally the opposite side.



14. Click the position tab in the marks settings.

15. Uncheck "Mirror position on back".

16. The text mark is now positioned at the same position as on the front sheet.

17. Submit Job > select "Make and hold" for Print Files and "Make and send to cutter" for Cut Files.

18. Context click job > Reveal Cut file for job. 1 Cut file is created: for the front side.

