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Technical bulletin

Using Raster Separated Data with Prinergy Powerpack and Pandora 2.x

This technical bulletin describes how to use raster separated data files in a Prinergy Powerpack workflow. This applies to any of the following raster formats:

- 1-bit TIFF
- Raster DCS
- Copydot

Note: To use this workflow, you must have Copydot Toolkit Pro.

The major workflow steps are:

- Merge dielines to artwork if dielines are missing
- Set the trim box in Copydot Toolkit
- Reformat the TIFF files as a high-resolution composite PDF
- Refine the high-resolution PDF in Prinergy Workshop
- Create an interactive layout using the raster data PDF in Pandora 2.x, and import this layout back into Prinergy Workshop

Use Copydot Toolkit 4.0 to Merge Dielines to Artwork

In some cases, the dieline may be scanned separately from the artwork and delivered in a separate file.

The registration feature of Copydot Toolkit (CTK) can be used to bring the dieline into the job and position it correctly relative to the artwork. The prerequisites for performing this procedure are:

- Copydot Toolkit 4.0 Pro
- The artwork in one of CTK's supported formats
- The dieline in one of CTK's supported formats

Ensure that the resolutions of the artwork and dieline match, for example both are at 2400 dpi. If the dieline is not at the same resolution as the artwork, the dieline will be scaled relative to the artwork. Because the dieline was created separately from the artwork, its orientation may not match that of the artwork. The orientation of the dieline can be corrected either by using the **Rotation** commands from the **Edit** menu of the Copydot Toolkit Viewer, or by changing the orientation of the dieline PDF in Prinergy Workshop using the **1-Up Artwork Geometry** menu option from the **Edit** menu and re-outputting the dieline separation as TIFF.

Note: If the dieline has not been scanned, it may be exported from the CAD application in EPS format. This EPS file should then be refined in Prinergy and output in 1-bit TIFF format at a resolution matching the artwork. CTK can then read this 1-bit TIFF representation of the dieline.

The procedure is as follows:

1. Create a new job in CTK and add the artwork separations.
2. Browse to the dieline separation file and add this file to the job.
3. When prompted, keep existing separations (do not discard the artwork separations).
4. Click the **View** button to start the Image Viewer.



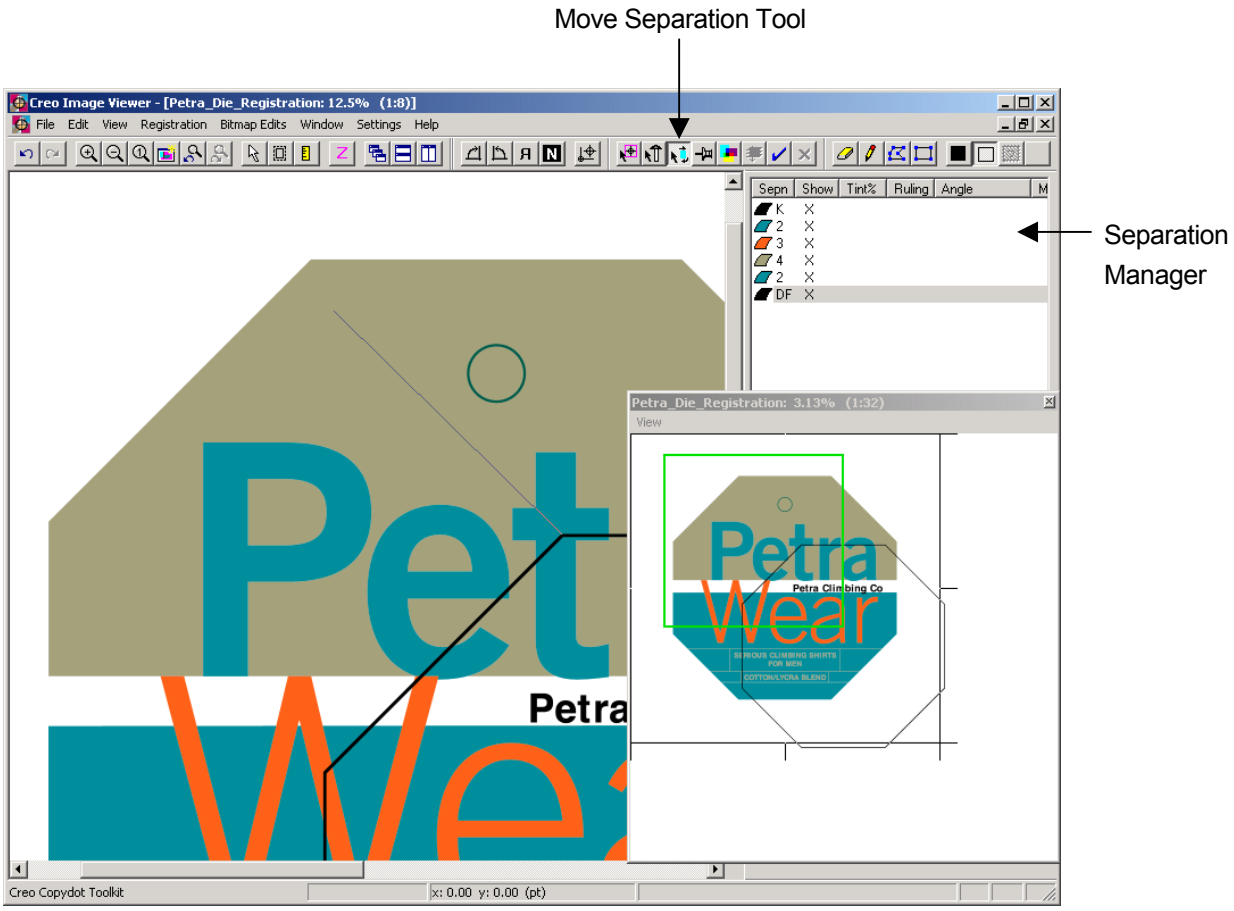


Figure 1: 1-up artwork with misregistered dieline

5. From the **Registration** menu, select **Restart Registration** to activate the registration tools.
6. In the Image Viewer Separation Manager, select the dieline separation and use the **Move Separation** tool to move the dieline relative to the 1-up artwork. See Figure 1. (You must select **Restart Registration** to make this tool active.)

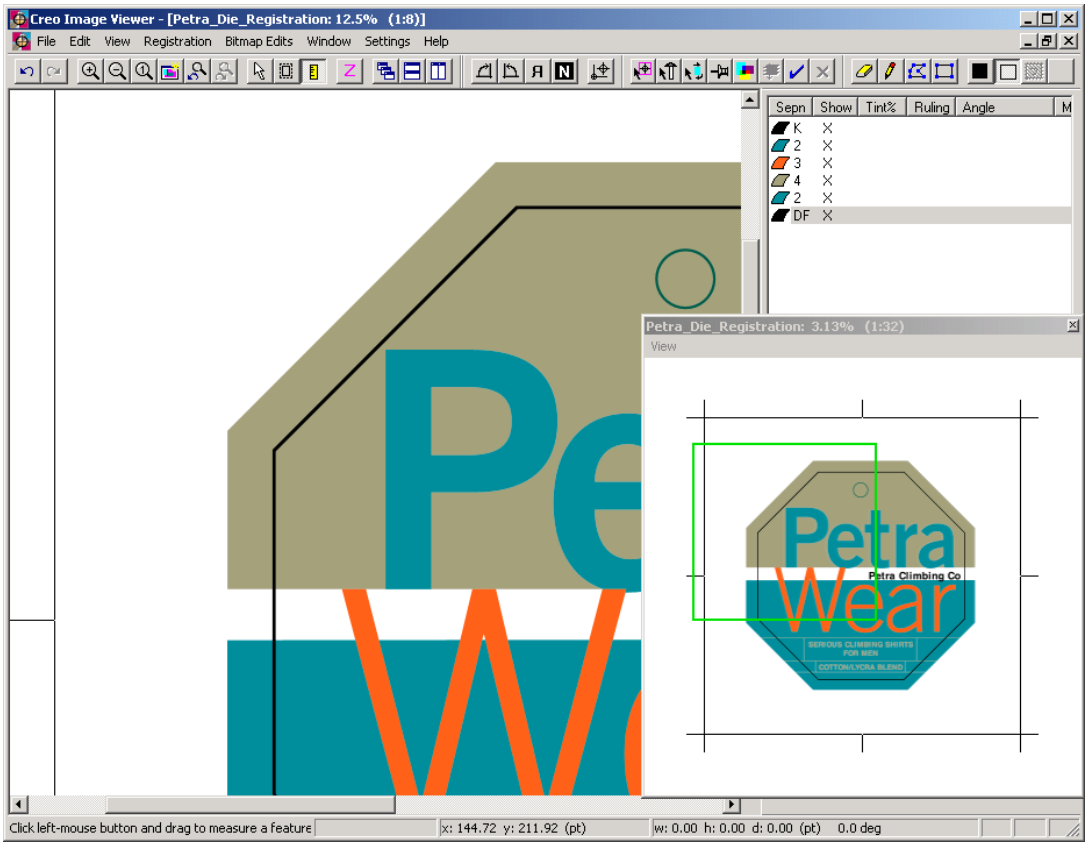


Figure 2: Dieline moved to be in register with the artwork

7. When the dieline is correctly positioned (Figure 2), go to the **Registration** menu and select **Approve Registration and Save**.

Set the trim box in Copydot Toolkit

1. Create a new job or select an existing job in the Jobs window.
2. Under **Input**, select **Browse**, and select the TIFF files you want to view.
   The TIFF files appear under **Process**.

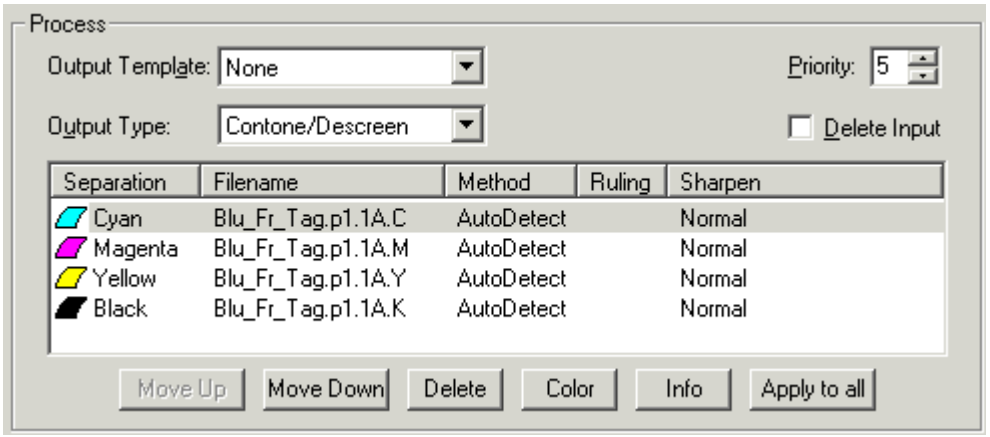


Figure 3: Copydot Toolkit Process area

You may need to assign colors so they appear correctly. For more information, see the *Creo Copydot Toolkit User Guide*.

3. Click **View**.



Zoom files are created for viewing.

4. Zoom out until you can see the entire page frame.

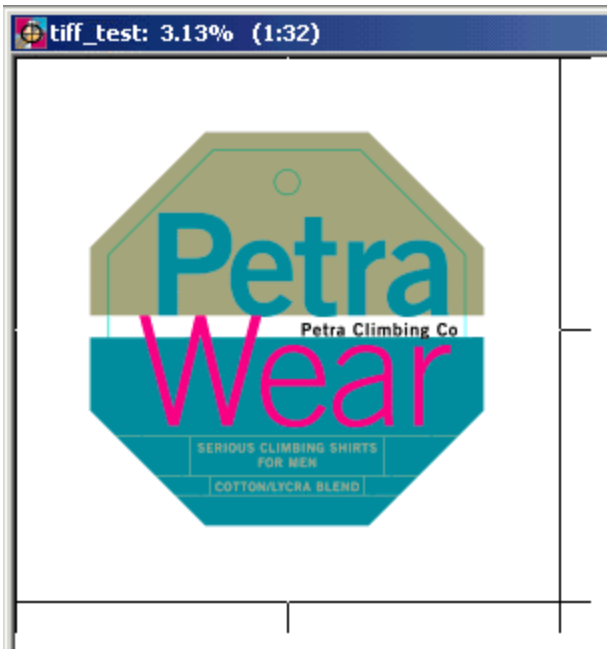


Figure 4: Copydot Toolkit - page frame

5. Click the **Page Frame (Crop) Tool** button.



Drag the frame so it matches the size of the dieline.



Figure 5: Copydot Toolkit – resizing the page frame

6. From the **File** menu, select **Save**.
7. From the **Edit** menu, select **Active Frame**.

   The Edit Active Frame dialog box appears.

8. Under **Output**, click **Page Frame**.

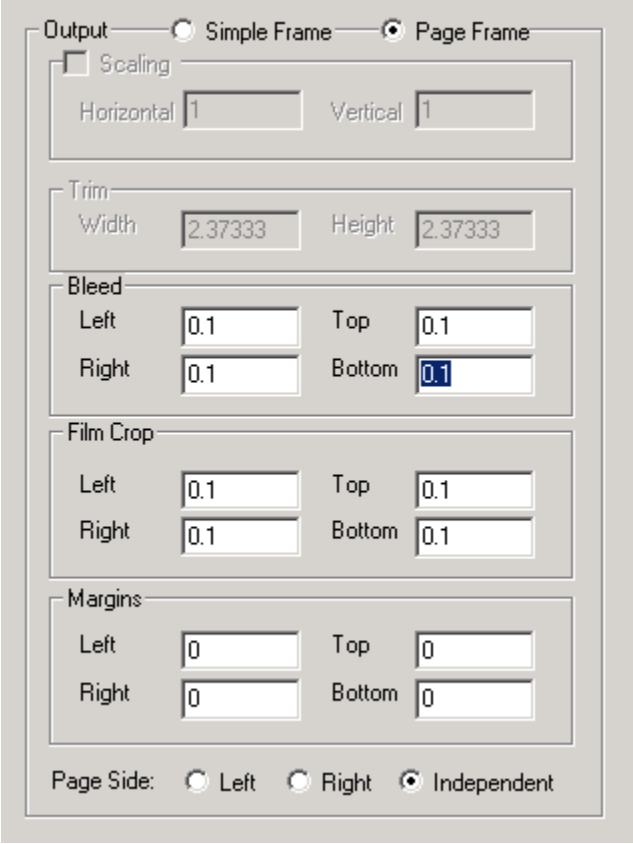


Figure 6: Active Frame dialog box – Output area

9. Under **Bleed**, assign bleed to the margins of the 1-up artwork.
10. Under **Film Crop**, assign an equal value to margins of the 1-up artwork.
11. Click **OK**.
12. From the **File** menu, choose **Save**.

    The trim box is set with bleed added.

Reformat the TIFF files as a high-resolution PDF

1. Close the Image Viewer window.
2. In the Settings area of the Job window (right side), under **Process**, in the **Output Type** box, select **Copydot**.
3. Under **Output**, in the **Output File** box, browse to a location to save the PDF.
4. Under **Output**, in the **General** tab, make the following selections:
   - In the **Resolution** box, enter the output resolution.
   - In the **File Format** box, select **PDF.**
   - In the **File Generation** box, select **Composite**.
   - In the **Color Space** box, select **CMYK+.**
   - In the **Compression** box, select **G4.**
   - In the **Interleave** box, select **Plane**.
   - In the **Image Format** box, select **Tiled.**
   - In the **Tile Height** box, enter 2048.
   - In the **Tile Width** box, enter 2048.

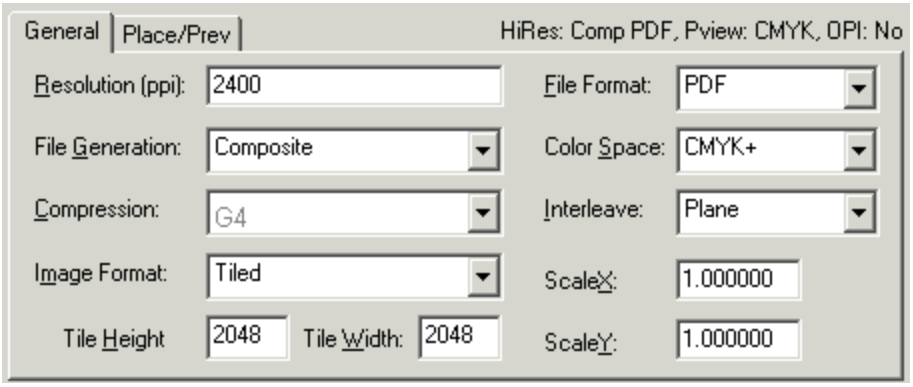


Figure 7: Copydot Toolkit Output area – General tab

5. Under **Output**, click the **Place/Prev** tab and make the following selections:
   - Select **LoRes Preview**.
   - In the **Color Space** box, select **CMYK**.
   - In the **Compression** box, select **None**.
   - In the **Resolution (ppi)** box, select **72**.

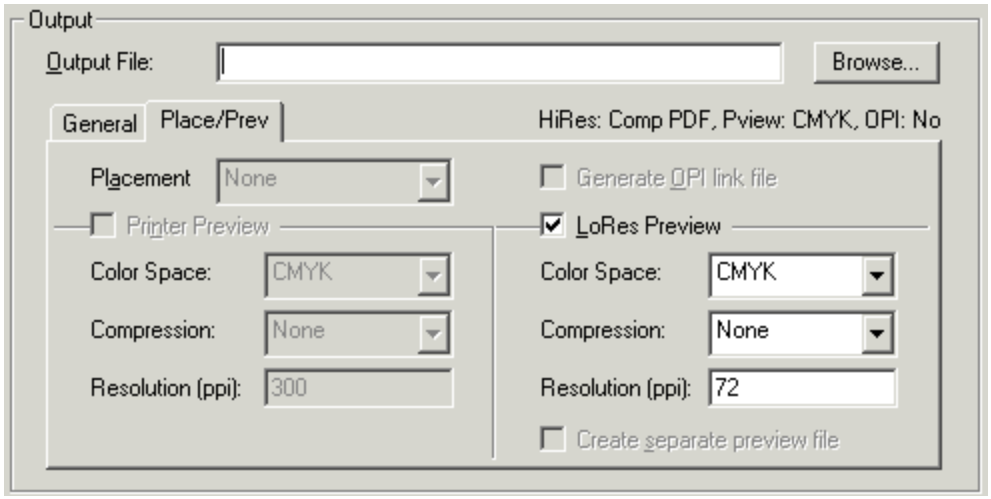


Figure 8: Copydot Toolkit Output area – Place/Prev tab

6. Browse to a suitable location on disk and enter a name for the reformatted PDF in the **Output File** box. (Ignore the **Save as type** popup menu.) **Note:** Copydot Toolkit automatically appends the file name with .PDF, so you do not need to enter a filename extension.
7. Under **Execution**, click the **Restart Processing** button.

The TIFF files are reformatted as a high-resolution PDF.

Refine the PDF in Prinergy Workshop

1. Start Prinergy Workshop and create a job.
2. In the Job Manager window, from the **File** menu, select **Add Input**.
   The Add Input File dialog box appears.
3. Browse to the high-resolution PDF and click the **Select** button.
4. Click the **Refine Now** check box.

5. Click **Add**.
   The Start Refine Process dialog box appears.
6. In the **Process Plan Group** box, select **Refine**.
7. In the **Process Plan** box, select **1stRef-Normz-Thumb** (or another Refine process plan that has thumbnails selected).
8. Click **OK**.

The PDF is refined, and thumbnail images are ready for use with the Pandora layout application.

Create a layout in Pandora 2.x

1. From the **File** menu, select **Create New Layout**.
   The New Layout dialog box appears.
2. In the **Layout Name** box, enter a name for the layout.
3. In the **Select Layout Application** box, select **Pandora for Packaging.**
4. Click **OK**.
   Pandora starts.
5. Create a layout in Pandora using the PDF file you just refined in Powerpack.
   For more information on using Pandora, see the *Pandora User Guide*.
6. Once the layout is created, from the **File** menu, select **Close**.
   A dialog box will open, asking whether or not you want to save your job at this point before you import the job ticket. Pandora will import the job ticket from the last time your job was saved. If no Save has been initiated, you will be returned to Prinergy Workshop without importing a job ticket.
   Note: When you choose to Close Pandora, Pandora still runs in the background until you end the process in the Task Manager.

The job ticket is created and imported into Prinergy.

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