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Technical bulletin

Outputting TIFF From Prinergy to Lotem via Brisque

This document describes how to set up a Prinergy® process plan to output TIFF files to a folder in Brisque® software, and then output from Brisque to a Lotem® platesetter. The examples in this document use a plate size of 21" wide x 23" high (53.3 cm x 58.4 cm). The screen captures are taken from a process plan in Prinergy Workshop 2.0.7.11.

Setting Up UNIX Connectivity

You can use the following UNIX® connectivity software with Prinergy and Brisque software:

- Hummingbird® Maestro™ 7.1
- Microsoft® Services® for UNIX version 3.5
- SAMBA

If you do not have UNIX connectivity, contact your Kodak representative.

Setting Up a Prinergy Process Plan

1. In the Output to dialog box, select **TIFF (Low resolution)** to enable the **Cut sheet** option.
2. Expand the **Layout** section of the process plan.



3. In the **Size** list, select the option that you want.

4. In the **Max Width** box, type a value that is equal to the height of the actual plate. In the **Max Height** box, type a value that is equal to the width of the actual plate. The dimensions are switched because of the 270º image rotation (see step 5).

5. In the **Orientation** list, select **270°** (positive or counterclockwise). When you rotate the image 270° in Prinergy, the TIFF appears with page heads to the right in Brisque. Perform all necessary rotations in Prinergy, rather than Brisque, for better performance and throughput.

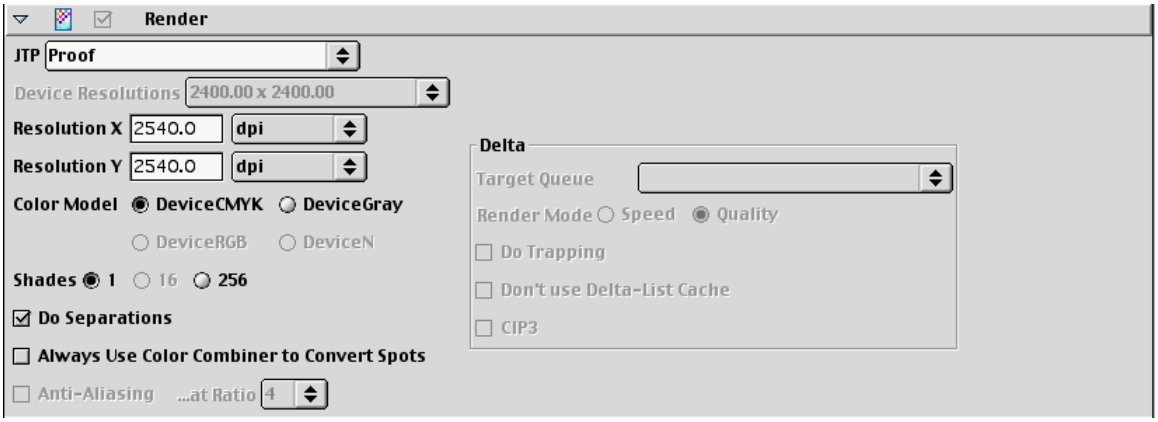
6. In the **Shift Along Width** and **Along Height** boxes, type the values that you want.

   - A shift along width moves the file from top to bottom on the plate.
   - A shift along height moves the image from right to left on the plate.

   With a 270° rotation, a shift around the drum with a negative number moves the image to the left in Brisque preview, towards the gripper (spiral punch). The greater the value, the more the image moves towards the gripper.

   Note: We have received reports that a –14" (35.56 cm) shift causes the QuarkXPress® slug to be picked up and written to the TIFF file. When the shift is changed to 13.99" (35.53 cm), the QuarkXPress slug goes away.

7. Expand the **Render** section of the process plan.



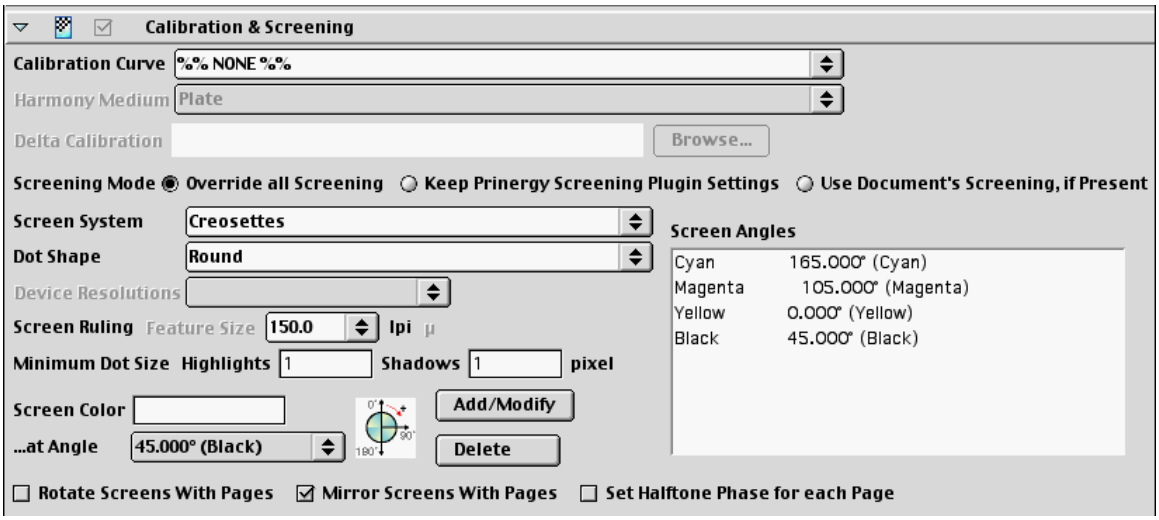
8. In the **Resolution X** and **Resolution Y** boxes, type **2540** and select **dpi** if you are using the 2540 dpi screen sets in Brisque. The resolution, either 2540 dpi or 2400 dpi, is specific to each site.

9. For **Color Model**, select **DeviceCMYK**.

10. For **Shades**, select **1**.

11. Select **Do Separations**.

12. Expand the **Calibration & Screening** section of the process plan.

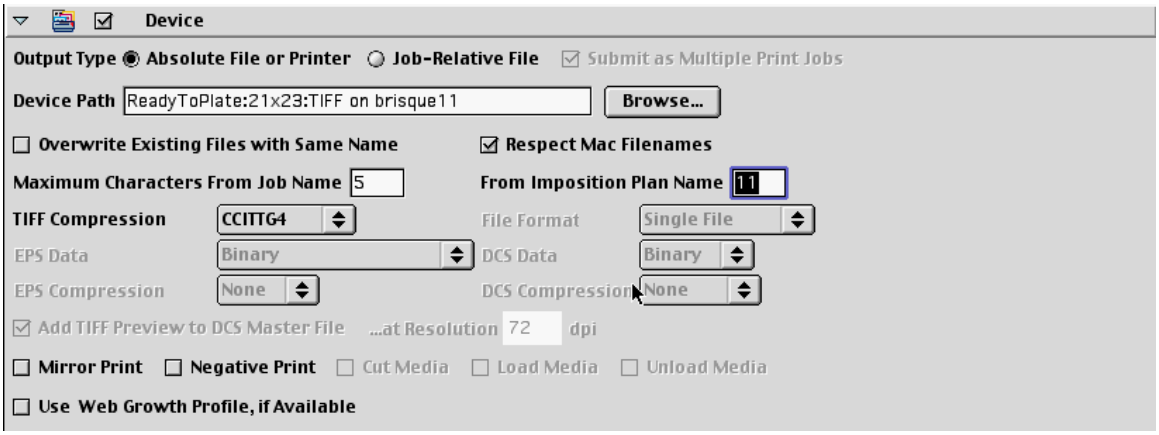


13. In the **Screen System** list, select the screen set that you want.

14. In the **Dot Shape** list, select the dot shape that you want.

15. In the **Screen Ruling** list, select the lines per inch that you want.

16. Expand the **Device** section of the process plan.



17. For **Output Type**, select **Absolute File or Printer** to create a TIFF file at the destination specified in the **Device Path** box.

18. In the **Device Path** box, type or browse to the desired output location in Brisque software.

    Note: In Mac OS®, the device path appears with folder separators omitted—for example, **ReadyToPlate:21x23:TIFF on brisque11**. In Windows, the device path includes folder separators—for example, **\\brisque11\ReadyToPlate\21x23\TIFF**.

    This step assumes that folders have already been created in Brisque for each plate size and that a TIFF subfolder has been created within each folder. Later, TIFF files from Prinergy are written to the TIFF

subfolders, and you drag the files onto a Brisque template to translate and expose. You can set template options in Brisque that will automatically delete the TIFF input files.

19. In the **TIFF Compression** list, select **CCITTG4** (CCITT Group 4).

    Note: If the **Always Use Color Combiner to Convert Spots** check box is selected in the **Render** section of the process plan, the CCITTG4 option is not available.

20. For shorter file names in Brisque, in the **Maximum Characters From Job Name** box, type **0**. In the **From Imposition Plan Name** box, type **11**. This uses the name of the imposition plan only, as designated when the imposition was imported into Prinergy.

Setting Up Brisque

Translating TIFF to LW

To expose full-size plates, you must translate TIFF to LW before exposing the plates. If you do not, single and imposed pages may abort when processing is 20% complete. The Lotem platesetter may report stopped spirals in the Expose Parameters window. (To activate the stopped spirals message line, go to the Lotem DFE and select **Utilities > Users > Expert mode** (password: **lotempro**). The carriage motor may also move forward and backward multiple times before finally erroring out.

Rotation

If possible, turn off rotation to avoid lengthy processing times. Try to do all rotations in Prinergy for better performance.

1. In Brisque 3, to enable **Rotate** in the Expose dialog box, you must open a Terminal window. At the prompt, type `enableRotateButton`. In Brisque 4.x, click the **Rotate** button (orientation) in the Output Preferences screen.
2. Define the **plate sets** (this information comes from the plate definition in the Lotem software).
3. Define the **press formats** in Brisque so that the plate sizes are matched to each press.
4. Create the **templates** for translation and plate exposure.
5. Calculate the **expose offsets** as needed for plate bend, and enter the expose offsets in the Plate Expose window.

About Kodak Graphic Communications Group (GCG)

The leading provider of graphic communications solutions worldwide, Kodak's Graphic Communications Group (GCG) offers image capture systems; professional color, copydot, and high-speed document scanning systems; inkjet printing and proofing systems; workflow and color management software; thermal imaging devices for film, plates, and proofs; high-quality proofing media, printing plates, and recording film; on-demand color and black-and-white printing systems; data storage products; and professional services. Creo joined the GCG in June 2005, when it became a wholly owned subsidiary of Kodak. With corporate headquarters located in Rochester, N.Y., Kodak (NYSE: EK) had sales of $13.5 billion in 2004 and is committed to a digitally oriented growth strategy.

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