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Technical bulletin

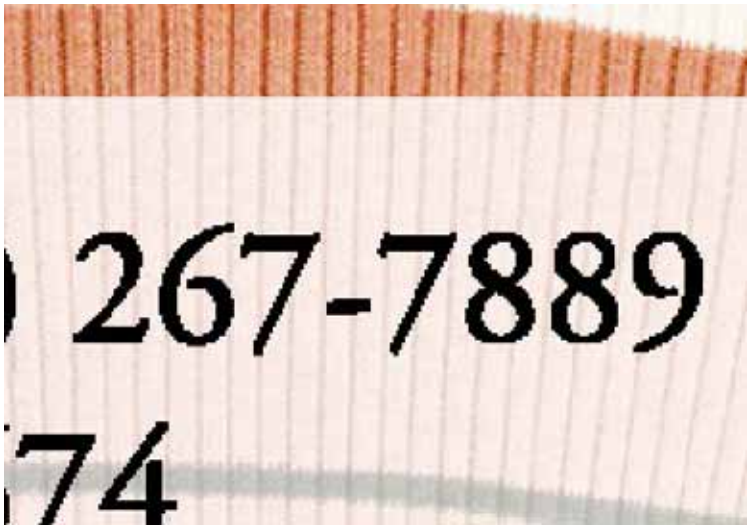
Handling Transparency in Brisque v5.x

Symptoms

When Adobe® files that contain transparent text on top of images or vignettes, or text on top of transparent images, are RIPed on a Brisque v5.x workstation, the text appears jagged in the resulting image after RIP.

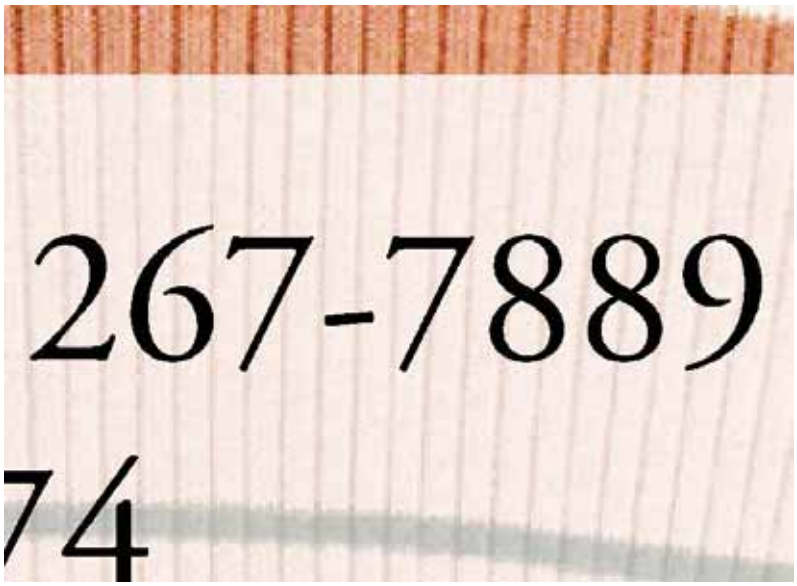
Cause

The text (that is, the LW) that is located on top of the image moves on to the CT. As a result, the LW is RIPed at the CT resolution which is lower than LW resolution. The text then appears with jagged edges in the resulting image, as shown in the image below.



Solution

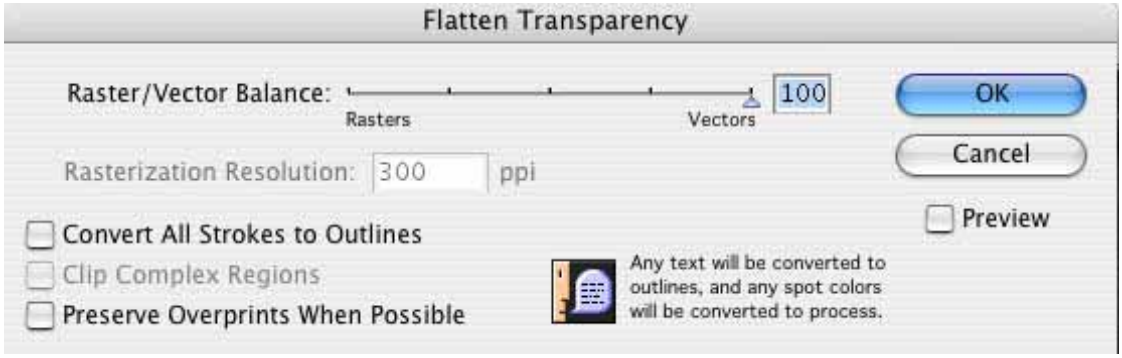
The solution to this problem requires selecting the appropriate Brisque settings. For EPS® or PDF® 1.3 files, you will also need to select appropriate Adobe Illustrator® settings. The necessary steps are detailed below. After you perform the procedures outlined below, the text in the RIPed image will appear without jagged edges, as shown in the image below.



Solution for EPS Files

Create an EPS file in Adobe Illustrator:

1. In Adobe Illustrator, in the **Type** menu, make sure that the **Create Outline** option is cleared.
2. From the **Object** menu, select **Flatten Transparency**.
3. In **Raster/Vector Balance**, slide the cursor to **100%**. The application will flatten the file to produce the best image results.

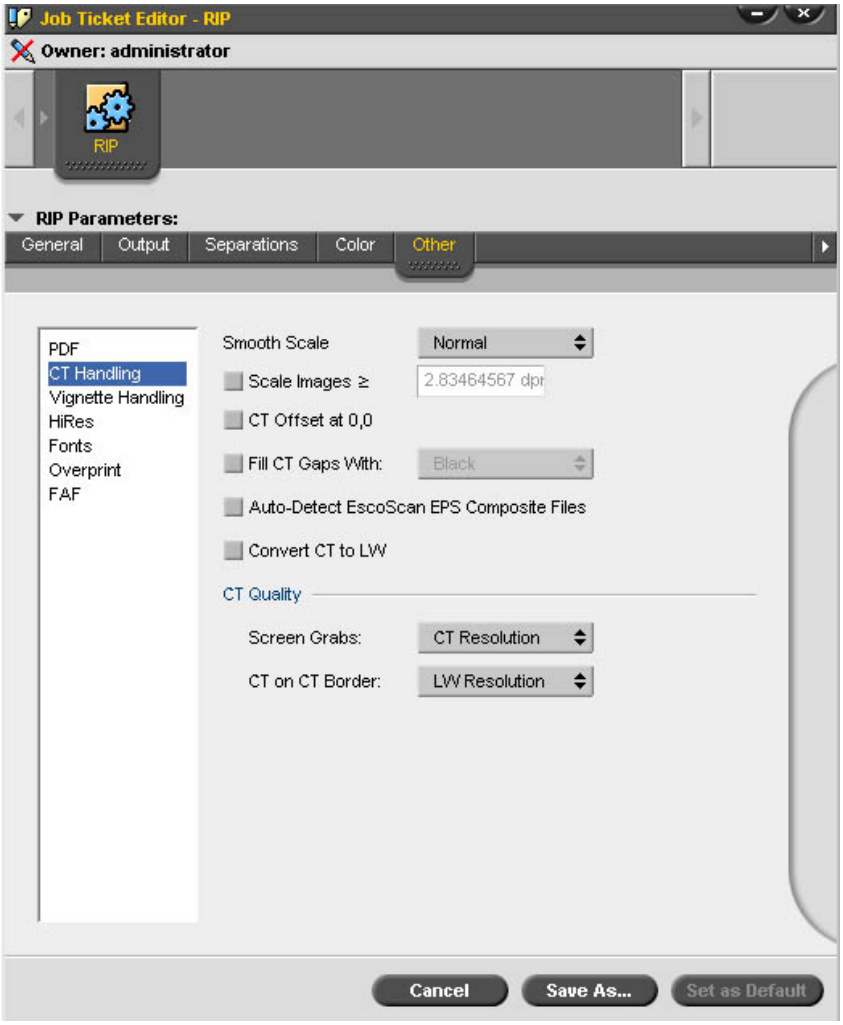


4. Save the EPS file.

Note: If you are using Adobe InDesign® to create an EPS file, select options that are equivalent to those described above for Adobe Illustrator.

RIP the file in Brisque 5.0/5.1:

1. Do not change the default RIP settings in the RIP Parameters dialog box.
2. Select **CT Quality** in the RIP Parameters dialog box.
3. In CT Handling, under **CT Quality**, select **CT on CT Border > LW Resolution**, as shown in the figure below.

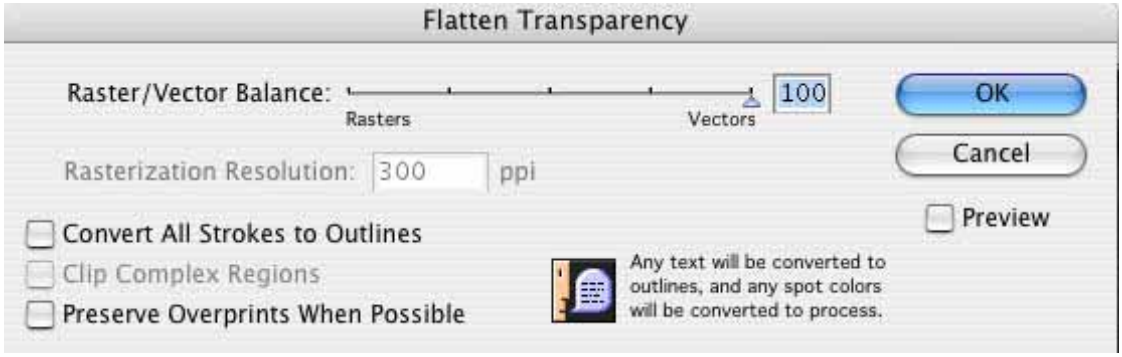


4. RIP the file.

Solution for PDF 1.3 Files

Create a PDF 1.3 file in Adobe Illustrator:

1. In Adobe Illustrator, in the **Type** menu, make sure that the **Create Outline** option is cleared.
2. From the **Object** menu, select **Flatten Transparency**.
3. In **Raster/Vector Balance**, slide the cursor to **100%**. The application will flatten the file to produce the best image results.



4. Save the PDF file.

Note: If you are using Adobe InDesign® to create a PDF file, select options that are equivalent to those described above for Adobe Illustrator.

RIP the file in Brisque 5.0/5.1:

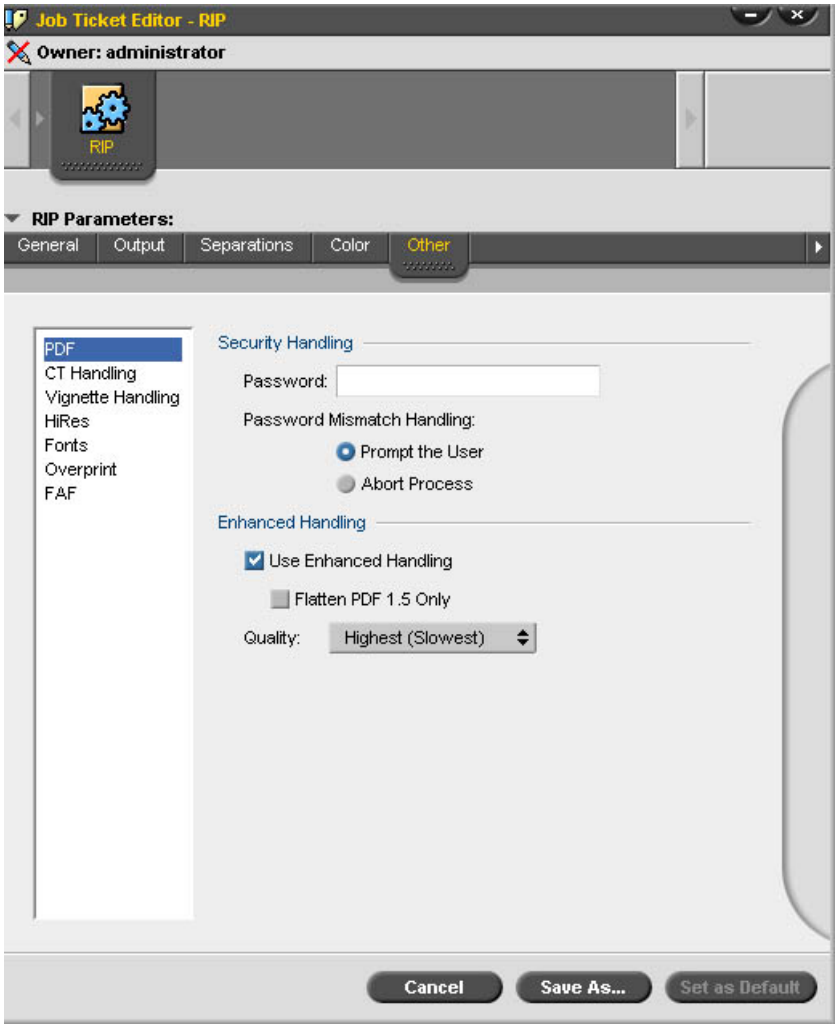
1. Do not change the default RIP settings in the RIP Parameters dialog box.
2. Select **CT Handling** in the RIP Parameters dialog box.
3. In CT Handling, under **CT Quality**, select **CT on CT Border > LW Resolution**, as shown in the figure on the previous page.
4. RIP the file.

Solution for PDF 1.4 Files or Higher

Note: For PDF 1.4 files or higher, you only need to select the appropriate Brisque settings; there is no need to resave the file in Adobe Illustrator.

RIP the file in Brisque 5.0/5.1:

1. Do not change the default RIP settings in the RIP Parameters dialog box.
2. Select **PDF** in the RIP Parameters dialog box.
3. In PDF, under **Other**, select **Use Enhanced Handling**, as shown in the figure below.



Note: Alternatively, you can use the **Creo Flattener** application. Refer to the note regarding this application at the end of this document.

4. Select **CT Quality** in the RIP Parameters dialog box.
5. In CT Handling, under **CT Quality**, select **CT on CT Border > LW Resolution**, as shown in the figure on the previous page.
6. RIP the file.

Notes:

- Creo does not recommend that you save files in Adobe applications with the **Create Outline** option selected, because hairlines sometimes appear around the transparent text after you RIP the file. However, if you do select the **Create Outline** option in an Adobe application, you can prevent hairlines by RIPing the file at 600 dpi and specifying whole number values for CT and LW resolutions. For example, LW = 2400 dpi and CT = 600 (or 400) dpi.
- Alternative for PDF 1.4 files or higher: You can use the **Creo Flattener version 2.0** application to flatten PDF files instead of the **Use Enhanced Handling** option in Brisque 5.0. This application which runs on a Macintosh® and is supported by Brisque v5.0, converts PDF files (including PDF files with embedded CID fonts) into PostScript 3 files. The application can be obtained free of charge from the *Brisque 5.0 Accessories* CD. The main features of this application include:
  - Support PDF 1.4 and 1.5 files, including files with transparencies (PDF Transparency Flattener to PS3 file)
  - PDF preview
  - Defining a hot folder that automatically converts PDFs
  - Display file information, such as the PDF version and does the PDF include a transparency or JPEG compression.

About Creo

Creo is a world leader in solutions for the graphic arts industry. Core product lines include image capture systems; inkjet proofers; thermal imaging devices for films, plates, and proofs; professional color and copydot scanning systems; workflow management software; and proofing and printing consumables. Creo is also an original equipment manufacture supplier of on-press imaging technology, components for digital presses, and color servers for high-speed, print-on-demand digital printers. Creo trades under the symbols CREO on NASDAQ and CRE on the Toronto Stock Exchange. www.creo.com

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