Procedure Guide

English

Brisque and Veris

Proofing PANTONE Spot Colors

734-00136A-EN Rev A

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Introduction

PANTONE® supplies the PANTONE MATCHING SYSTEM® (PMS), which is the definitive international reference for selecting, specifying, matching, and controlling ink colors. Creo has been working with PANTONE to ensure that the Veris™ proofer can reproduce the PMS colors to the satisfaction of PANTONE. To this end, PANTONE has developed a custom CMYK color library for 1,137 colors from the Solid Color Coated color library of PMS colors for optimal reproduction on the Veris proofer. PANTONE has officially approved and licensed Veris for printing these colors when Veris is used with:

- PANTONE CMYK color library customized for use with Veris
- Veris Pro Commercial Semi-Matte 285 paper
- Veris ProPack-GA inks

Using this configuration, Veris can represent 86 percent of 1,090 PANTONE colors with a CIE ΔE_{94} under four.

When using paper other than Veris Pro Commercial Semi-Matte 285, Creo recommends you use the PANTONE Coated (L*a*b color space) color library instead.

This document describes how to use Brisque® software, the PANTONE Veris color library, and the PANTONE Coated color library with a Veris proofer to output CMYK proofs that contain PANTONE spot colors.

Note: PANTONE documentation uses the term lookup table. This document uses the term PANTONE Veris Commercial color library or PANTONE Coated color library.

The main steps for outputting a proof are:

1. Calibrate Veris for the paper and ink.
2. Set up Brisque software to use the desired PANTONE color library with Veris.
3. Output proofs.

Versions of Software and Proofers Supported

This document applies to:

- Brisque version 5.0.61.7 or later plus the proof patch installed. Version 5.0.61.7 includes the PANTONE Veris color library. Brisque 4.1 and 5.0 don't include the PANTONE Veris color library; however, you can download the color library from eCentral (https://ecentral.creo.com/eCentral/Self_Support/Downloads.asp) and add it to Brisque.
- Veris Series 5 (includes software version 1.4) or later

Assumptions

This document assumes that Brisque is connected to the Veris proofer and that you are able to output proofs. For details, see the *Configuring Brisque to Output Proofs to Veris Technical Bulletin*, which is included in the Veris Series 6 online help, or you can download the file from eCentral (https://ecentral.creo.com/eCentral/Self_Support/Product_Support.asp).

Other Reference Material

- Brisque online help
- Veris online help

Setting Up Veris

This section describes how to calibrate Veris for the PANTONE Veris color library and the PANTONE Coated color library.

Calibrating Veris for the PANTONE Veris Color Library

The PANTONE Veris color library is a CMYK color library, and it is qualified for use with the Veris Pro Commercial Semi-Matte 285 paper and the Veris ProPack GA Ink Kit. To achieve the best results, use this paper and ink when using the PANTONE Veris color library.

Before proofing, use the Color Calibration Wizard to calibrate the Veris proofer for the Veris Pro Commercial Semi-Matte 285 paper and the Veris ProPack GA Ink Kit. For details, see the Veris online help.

Calibrating Veris for the PANTONE Coated Color Library

When not using the Veris Pro Commercial Semi-Matte 285 paper, Creo recommends using the PANTONE Coated color library with a paper of your choice. The PANTONE Coated color library is an L*a*b color library. The results are not qualified by PANTONE; however, you can still proof PANTONE spot colors using Veris.

Before proofing, use the Color Calibration Wizard to calibrate the Veris proofer for the selected paper and ink. For details, see the Veris online help.

Note: In Brisque software, the PANTONE 2000 libraries are sorted and named according to media type—for example, PANTONE Coated. Brisque only includes PANTONE 2000 and newer color libraries. It excludes PANTONE 1999 color libraries.

Using Brisque with Veris

This section describes how to set up and use the PANTONE Veris Commercial color library and PANTONE Coated color library with Brisque and a Veris proofer to output PANTONE spot colors on a CMYK proof.

Use the PANTONE Veris Commercial color library (CMYK color space) when Veris is calibrated for Veris ProCommercial Semi-Matte 285 paper. Use the PANTONE Coated color library (L*a*b color space) when using a paper other than Veris ProCommercial Semi-Matte 285.

Copying ICC Profiles to Brisque

You need the Veris installation CD-ROM to complete this procedure. You copy the Veris ICC profiles to Brisque, so you can select them when setting up the proof operation later in this document.

To copy the ICC profile files to Brisque:

1. At the Brisque client workstation, from the **Tools** menu, select **Resource Center**.
2. From the **Select a category** list, select **ICC Profiles**.
3. Click **+**.

   The Choose ICC Profile dialog box appears.
4. Insert the Veris installation CD-ROM into the CD-ROM drive.
5. In the **Look In** box, browse to the following location on the Veris CD-ROM and select all the ICC profiles: **DFEdata\ICC Profiles**.
6. Click **Choose**.

   Each ICC profile is automatically placed in the folder of its type (Output, Device Link, Input, or Display) according to the class written in the header of the ICC profile.

Adding the Veris Control Strip to Brisque

You need the Brisque 5.0 FP Accessory CD-ROM to complete this procedure.

The Certified Proofing Process™ prints the Veris Control Strip on proofs, and you use the Check Calibration Wizard (available with the Veris client) to measure the Veris Control Strip to ensure the Veris device remains calibrated.

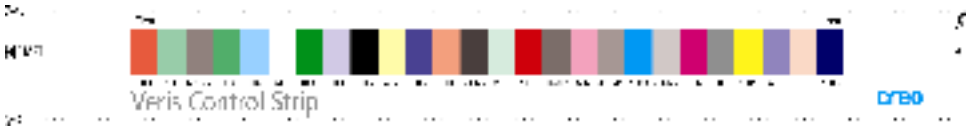


Figure 1: Veris Control Strip

When not using the Certified Proofing Process, you can still print the Veris Control Strip on proofs and use it with the Check Calibration Wizard to ensure the calibration remains valid. This section describes how to add the Veris Control Strip to Brisque, so you can select it as a mark in the proof operation later in this document.

To add the Veris Control Strip to Brisque:

1. On your Macintosh® workstation, from the **Go** menu, select **Connect to Server**.

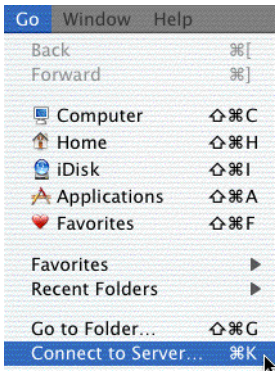


Figure 2: Go menu

2. Click **Connect**.

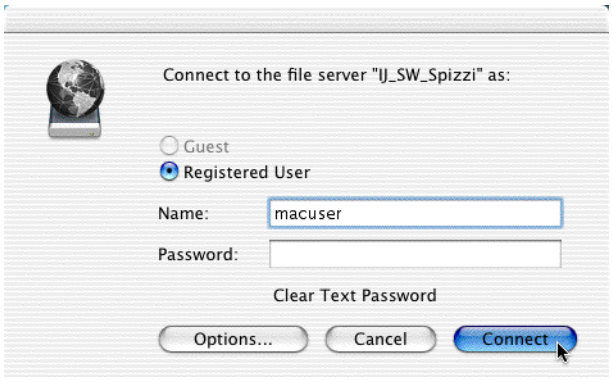


Figure 3: Connect button

3. In the **At** list, select a disk, or in the **Address** box, type the IP address, and then click **Connect**.

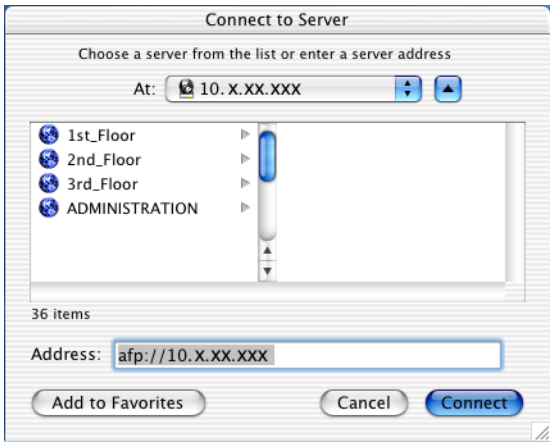


Figure 4: Connect to Server dialog box

4. In the Connect to the File Server dialog box, set the following options:
   - Select **Registered User**.
   - In the **Name** box, type `macuser`.
5. Click **Connect**.
6. Select the **<station name>.SharedItems** volume, and click **OK**.
7. Open the **<station name>.SharedItems** volume, and then open the **color_strip** folder.
8. Insert the Brisque 5.0 FP Accessory CD-ROM into the CD-ROM drive, and then open the **Proofing Utils** folder.
9. Copy **Veris_ControlStrip.tif** from the **Proofing Utils** folder to the **color_strip** folder on the mounted Brisque **<station name>.SharedItems** volume.

Defining the Brisque Color Database Location

Although Brisque 5.x automatically activates the color database location, Creo recommends you verify the location before you launch the color database. You only need to do this procedure once.

To define the color database location:

1. At the Brisque client workstation, from the **Edit** menu, click **Preferences**, and then select **Color Database**.
2. Ensure the **Color Database Location** box specifies the name of a local host—that is, a Brisque station name (local or remote), depending on how the user preferences are set.

   Brisque saves all the spot color data to the local host, and the proof operation accesses the local host for color database information.

Setting Up Brisque to Use PANTONE Veris Commercial Color Library

This section describes how to set up Brisque to use the PANTONE Veris Commercial color library with Veris ProCommercial Semi-Matte 285 paper. The main steps are:

1. Install the PANTONE Veris Commercial color library. See *Installing the PANTONE Veris Commercial Color Library* on page 7.
2. Set up the proof operation to use the PANTONE Veris Commercial color library. See *Setting Up the Proof Operation* on page 8.
3. Output proofs. See *Outputting Proofs* on page 18.

You can also view the spot color recipes and print a chart of the colors in the PANTONE Veris Commercial color library if desired. See *Viewing CMYK Spot Color Recipes* on page 12 and *Outputting a PANTONE Veris Commercial Color Library Chart* on page 13.

Installing the PANTONE Veris Commercial Color Library

Brisque ships with several PANTONE color libraries, including the PANTONE Veris Commercial color library, which you can install and use as desired. This section describes how to install the PANTONE Veris Commercial color library.

To install a color library:

1. At the Brisque client workstation, from the **Tools** menu, select **Resource Center**.
2. In the **Select a category** list, select **Spot Data Base**.

   This spot database appears.
3. Click **+**.

   The list of available PANTONE libraries appears.

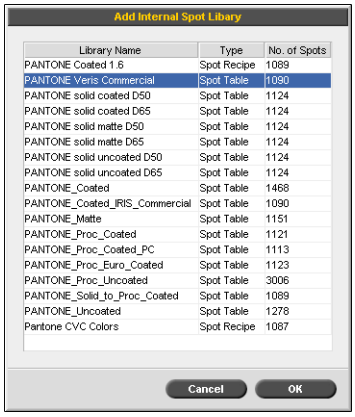


Figure 5: List of available PANTONE color libraries

4. Select **PANTONE Veris Commercial** and click **OK**.

   Brisque adds the color library to the spot database. It now appears in the list of color libraries each time you open the spot database. The color library also appears in the proof operation on the **Separations** tab in the **Global Spot Library** list.

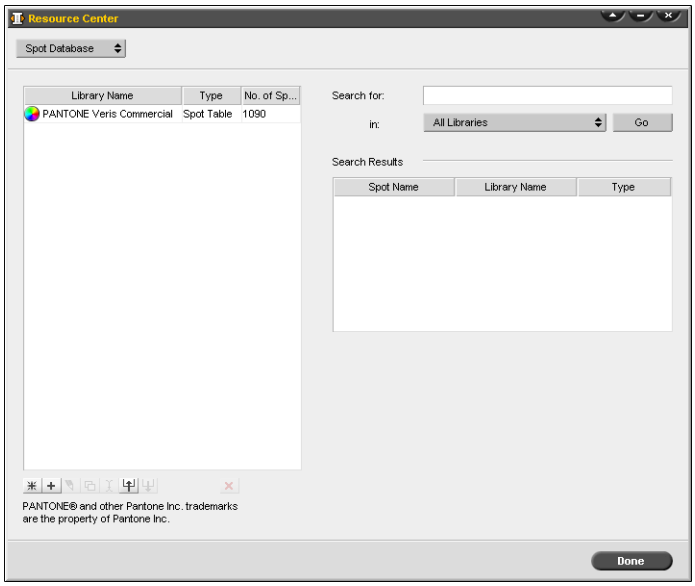


Figure 6: Resource Center with the PANTONE Veris Commercial color library

5. Click **Done**.

Setting Up the Proof Operation

PANTONE licensing requires the PANTONE Veris Commercial color library to be printed on Veris Pro Commercial Semi-Matte 285 paper, which requires a specific ICC profile. This section describes how to set up a proof operation that uses the recommended paper and color profile. You can set up the proof operation on either the Brisque server or client.

To set up the proof operation:

1. At the Brisque client workstation, in the Workflow palette, click the Template icon, click the arrow, and then select **New Template**.

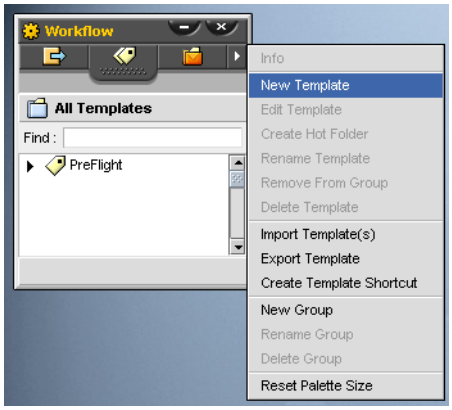


Figure 7: Creating a new template

The Job Ticket Editor appears.

2. Click the arrow, and select the Proof icon.

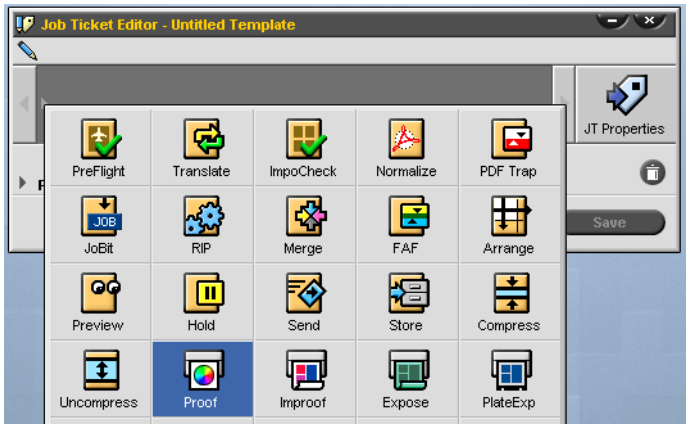


Figure 8: Selecting the Proof icon

3. In the Job Ticket Editor window, double-click the Proof icon.

   The Job Ticket Editor—Proof dialog box appears.

4. Click the **Device&Media** tab, and from the **Device** box, select the Veris proofer to which you want to output.

5. Click the **Marks&Labels** tab, and set the following options:
   - Select the **Labels** check box, and then click the word **Labels** to display the label options.
   - Select the **Color Set Name** check box.
   - Select the **Calibration Name & Date** check box.
   - Select the **Color Strip** check box, and then click the word **Color Strip** to display the color strip options.
   - In the **Color Strip** list, select **Veris_ControlStrip.tif**.
   - Choose the position for the Veris Control Strip by clicking the desired corner on the location box.

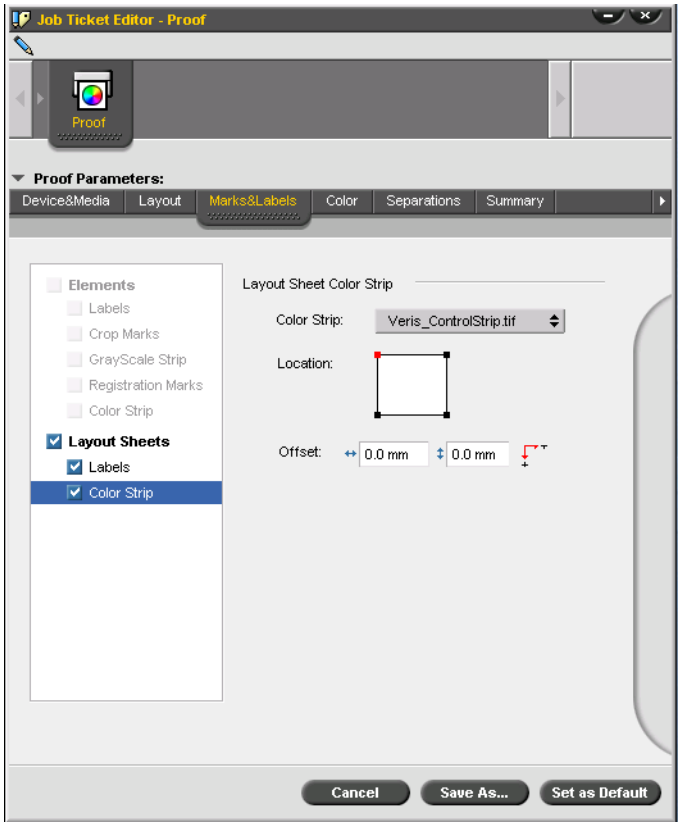


Figure 9: Marks&Labels tab

6. Click the **Color** tab, and set the following options:
   - Clear the **User Predefined DCP Color Set** check box.
   - In the **Proof ICC Profile** list, select the **Veris-COM-mmddyy.icc** profile.
   - In the **Target ICC Profile** list, select a profile for the final color space, which is usually a press.



Figure 10: Color tab

7. Click the **Separations** tab, and set the following options:
   - Select the **Color Separations** check box.
   - In he **Global Spot Library** list, select **PANTONE Veris Commercial**.
   - In From the **Spot Type** list, select **CMYK**.
   - In the **Search Spot by** list, select **Short Pantone Name**.



Figure 11: Separations tab settings

8. Set the options on the other tabs as desired.
9. Click **Save As**.
10. In the **Template name** box, type a name for the template, and then click **OK**.

Viewing CMYK Spot Color Recipes

This section describes how to view the CMYK recipes in the PANTONE Veris Commercial color library. You can't edit the recipes in the PANTONE-certified library. If you want to edit a PANTONE-certified spot color recipe, copy the recipe to a new library, and then edit the color recipe. Conversely, if you add a spot color recipe to the PANTONE-certified library, you can edit it.

To view the CMYK recipes:

1. At the Brisque client workstation, from the **Tools** menu, select **Resource Center**.
2. In the **Select a category** list, select **Spot Data Base**.
3. In the **Library Name** list, select **PANTONE Veris Commercial**.

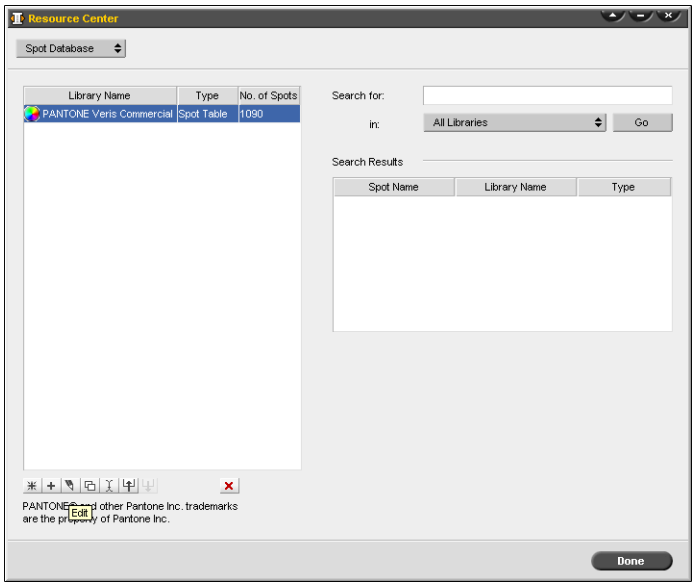


Figure 12: PANTONE Veris Commercial color library

4. Click the edit tool located at the bottom of the dialog box.

   The spot color recipes appear.

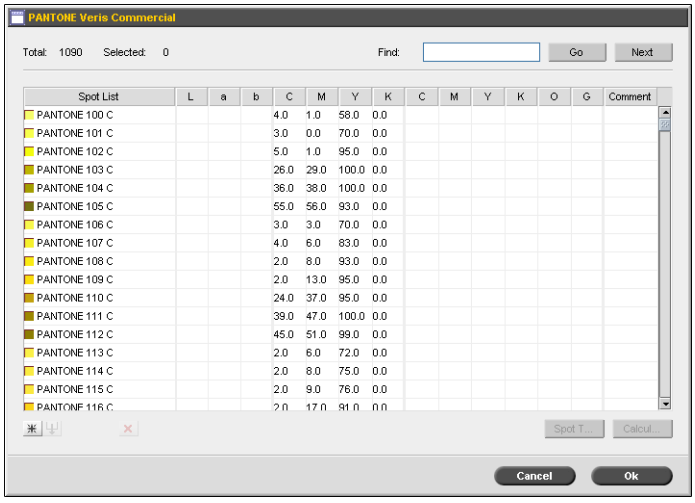


Figure 13: PANTONE Veris Commercial spot color recipes

Outputting a PANTONE Veris Commercial Color Library Chart

PANTONE provides a chart of all the PANTONE colors in the Veris Commercial color library. For each color, the chart includes:

- Color swatch
- PANTONE color name
- CMYK tints

The chart is available in PDF file format. See Figure 14.

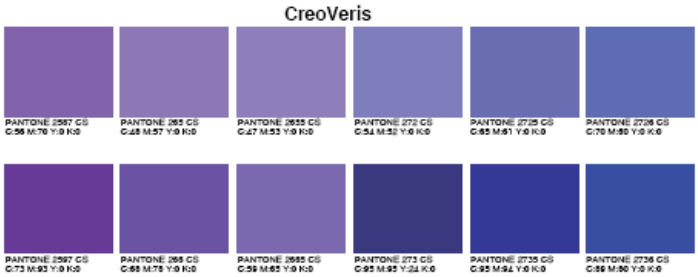


Figure 14: Example of the PANTONE chart viewed in Adobe® Acrobat®

You can use Veris to print the chart and create a swatch book for visual reference. The main steps are:

1. Download the PANTONE chart from the Brisque product area on eCentral (https://ecentral.creo.com/eCentral/Self_Support/Downloads.asp).
   a. In the **Choose a product** list, select **Brisque**.
   b. In the **Select a download type** list, select **Test Files**.
   c. Click **Go**.
2. Copy the PANTONE chart file to Brisque.
3. RIP the PDF file using the settings described in this document. See *Setting Up the RIP* on page 14.
4. Output the file to Veris using the proof operation you set up for the PANTONE Veris Commercial color library. See *Setting Up the Proof Operation* on page 8.

   If you want to arrange the pages to use as little media as possible, on the **Layout** tab, select the **Arrange** check box, and then select **Auto Arrange**. In the **Element Gap** box, type a small number to create a gap between the pages.

Setting Up the RIP

This section describes how to set up the RIP for the PANTONE Veris Commercial chart.

To set up the RIP:

1. Right-click the chart PDF file, and click **Operations** > **RIP**.
2. Double-click the RIP icon to display the options.
3. Click the **Output** tab, and set the following options:
   - In the **Output Type** list, select **CT & LW**.
   - In the **CT Resolution** box, type `12 dpm`.
   - In the **LW Resolution** box, type `80 dpm`.

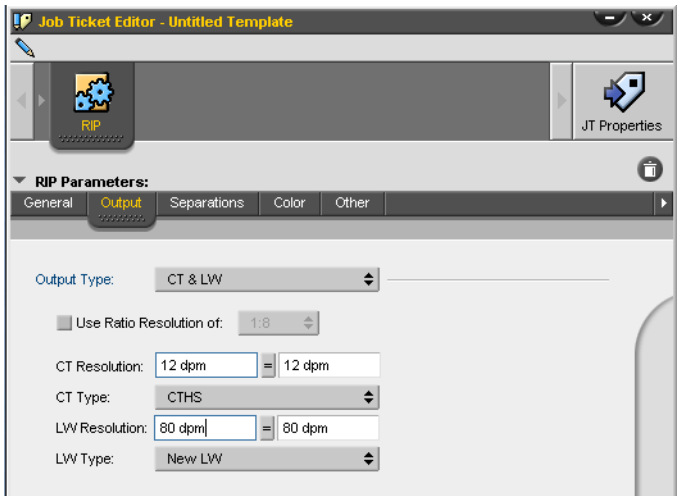


Figure 15: Output tab

4. Click the **Separations** tab, and in the **Spot Handling** list, select **All to Spot**.

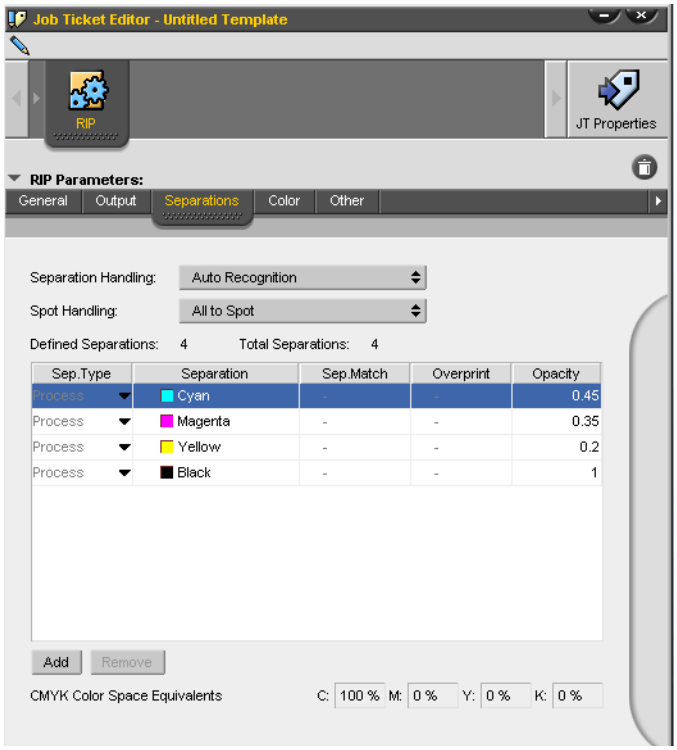


Figure 16: Separations tab

5. Click **OK**.

   The RIP operation creates a Brisque job for the PDF chart. Drag the job onto the proof template you created in *Setting Up Brisque to Use PANTONE Veris Commercial Color Library* on page 7.

Setting Up Brisque to Use PANTONE Coated Color Library

This section describes how to set up Brisque to use the PANTONE Coated color library with a paper of your choice. The main steps are:

1. Install the PANTONE Coated color library. See *Installing the PANTONE Coated Color Library* on page 16.
2. Set up the proof operation to use the PANTONE Coated color library. See *Setting Up the Proof Operation* on page 17.

Installing the PANTONE Coated Color Library

This section describes how to install the PANTONE coated color library.

To install a color library:

1. At the Brisque client workstation, from the **Tools** menu, select **Resource Center**.
2. In the **Select a category** list, select **Spot Data Base**.

   This spot database appears.
3. Click **+**.
4. Select **PANTONE_Coated** and click **OK**.

   Brisque adds the color library to the spot database. It now appears in the list of color libraries each time you open the spot database. The color library also appears in the proof operation on the **Separations** tab in the **Global Spot Library** list.

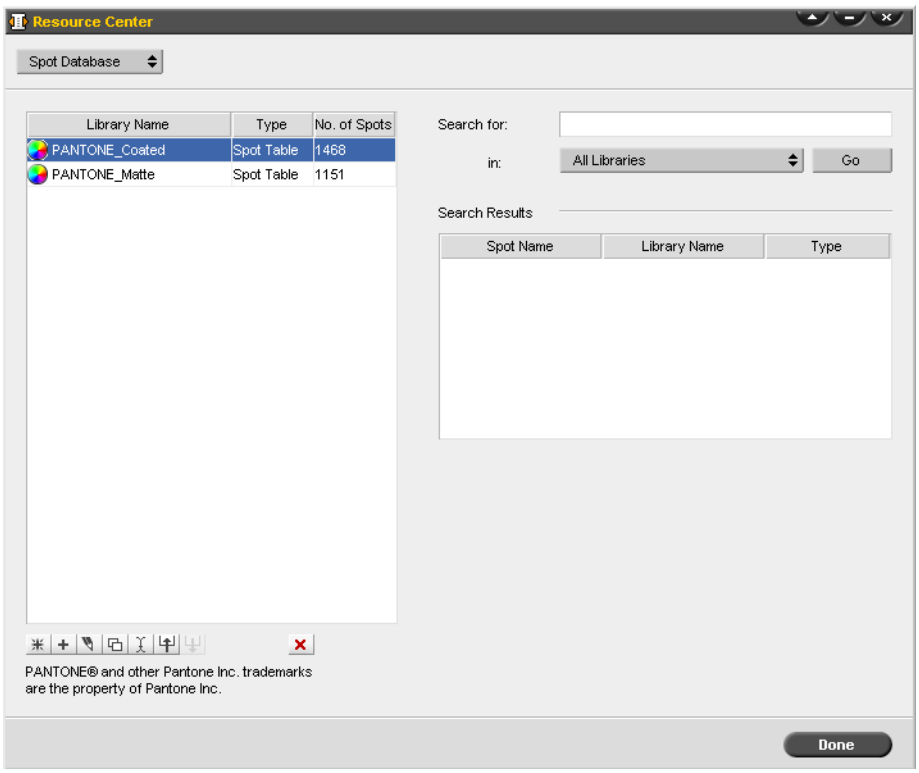


Figure 17: Resource Center with the PANTONE Coated color library

5. Click **Done**.

Setting Up the Proof Operation

PANTONE licensing requires that you print the PANTONE Veris Commercial color library on Veris Pro Commercial Semi-Matte 285 paper. If you want to use a different paper, Creo recommends you use the L*a*b color library named PANTONE Coated instead. Each paper requires a specific ICC profile.

This section describes which settings you would use to create a proof operation that uses Veris and the PANTONE Coated color library. Table 1 on page 18 lists the options specific to this procedure. You can set up the proof operation on either the Brisque server or client.

Table 1: Proof operation settings for the PANTONE Coated color library

Tab	Option	Setting for a PANTONE Coated Color Library
Color	**Proof ICC Profile**	Select the profile for the paper you've selected.
	Target ICC Profile	Select the profile for the final destination color space, usually a press.
Separations	**Global Spot Library**	Select **PANTONE_Coated**.
	Spot Type	Select **LAB**.
	Search Spot by	Select **Short Pantone Name**.

To set up a proof operation:

- Follow *Setting Up the Proof Operation* on page 8, but use the options identified in Table 1.

Outputting Proofs

Drop your jobs on the Brisque template to output proofs. For details on outputting proofs, see the Brisque online help.