Installation Guide and Workflows

English

Brisque to Trendsetter MCE (S and F models, and NEWS 50, 50c, 70, 100, 150 models) Direct Connectivity Via TSP

(Brisque version **4.1.76**)

653-00500C

www.creo.com

Brisque to Trendsetter MCE (S and F models, and NEWS 50, 50c, 70, 100, 150 models) Direct Connectivity via TSP

version 4.1.76

Installation Guide and Workflows

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5103407	5325217	5497252	5652804	5875288	6060208	6181439
5111308	5331439	5508828	5691823	5894342	6063528	6186068
5113249	5333064	5509561	5691828	5900981	6063546	6189452
5122871	5339176	5517359	5696393	5934196	6072518	6191882
5124547	5343059	5519852	5699174	5942137	6090529	6204874
5132723	5355446	5526143	5699740	5946426	6096461	6208369
5150225	5359451	5532728	5708736	5947028	6098544	6252522
5153769	5359458	5561691	5713287	5958647	6107011	6260482
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5157516	5367388	5576754	5742743	5969872	6115056	
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5247174	5412491	5594556	5785309	5995475	6134393	

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Who Should Use This Manual

This manual is intended for anyone who is involved in installing hardware and software to enable Brisque to Trendsetter S and F model connectivity.

To use this manual, you should:

- Have a working knowledge of prepress operations
- Be familiar with the IBM AIX operating system

Conventions Used in This Manual

This section describes the fonts and symbols used in this manual.

Fonts

Bold Text Elements in the User Interface. For example: **boxes, tabs, check boxes, screen/frame names and group box names.**

Italicized Text *Used to emphasize some items. Also used for the cross-reference statements.*

Symbols



Important: This symbol tells you about things that may cause process delays or reduce functionality, reliability, or quality.



The reference symbol tells you that related information on the topic is available in another Creo document.



Note: A note provides additional information that you may need to consider.



Tip: This symbol draws attention to information that can help you perform a task more quickly or easily.

Introduction

Brisque Version 4.1 introduces a direct connection to Creo Trendsetter or Trendsetter Spectrum via a dedicated cable (TSP).

The PlateExp application on Brisque version 4.1 takes Brisque Jobs and sends them to be exposed on the Trendsetter (platesetter).

The Print Console is part of this configuration but only holds media size information and does not send any image data to the device. The image data is sent to the Trendsetter or the Trendsetter Spectrum directly from the Brisque.

In This Document

This document describes the Brisque direct connectivity to the Trendsetter.

This document includes the following topics:

- Software and hardware requirements
- Hardware installation instructions
- Software loading instructions
- Configuration of Trendsetter for Brisque-to-Trendsetter direct connectivity.

Additional Documentation

Brisque Documentation

- **Brisque User Guide, version 4.0 (399Z1R387B, 399Z1R388B, 339Z1R389B, 399Z1R390B)-**
  Details the Brisque version 4.0 package.
- **Brisque What's New, version 4.1 (399Z3R897A)**

Print Console Documentation

- **Print Console Online Help -**
  Inherent to the Print Console application.
- **Print Console Installation Guide (73-3305c-a-pr01) -**
  Contains software procedures for managing Jobs on the Pending tab of the Queues window, on the Status window, and on the Processed tab of the Queues window.
  Shipped only on a CD, as a PDF file.

Hardware Documentation

- **43P-150 Installation Guide (399Z51279B) -**
  Contains installation and operation procedures for the 43P-150 platform.
- **44P-170 Installation Guide (399Z1R165A) -**
  Contains installation and operation procedures for the 44P-170 platform.
- **F50 Installation Guide (399Z51293B) -**
  Contains installation and operation procedures for the F50 platform.
- **6F1 Installation Guide (399Z1R166A) -**
  Contains installation and operation procedures for the 6F1 platform.

1 Installation

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1.1 Requirements, Supported Devices and Logistics

1.1.1 Software Requirements

- Brisque Software version 4.1.76
- Brisque Agent (GDAPI Server) 1.00.053 or later
- Print Console Software version 3.4.06 or later.

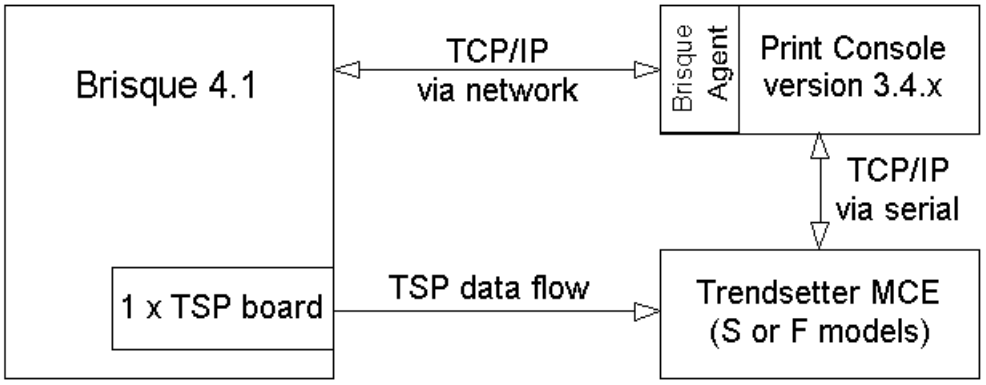
1.1.2 Hardware Requirements

- Brisque with at least two (2) free slots (43P-150, 44P-170, F50 or 6F1 platform).
- Connectivity kits containing the following:
  - TurboScreen Processor (TSP) board, Revision B or later (503D03465M)
  - Rotation2 Board (510K1N51962A - 128MB) (supplied only with Trendsetter 800 kits)
  - TSP cable (199D20025A)

1.1.3 Print Console and Output Device Hardware

- Print Console workstation with Intel processor
- Trendsetter 800 II Quantum S and F speed models
- Trendsetter 400 II Quantum S and F speed model
- Trendsetter 800 II S and F speed models
- Trendsetter 400 II S and F speed models
- Trendsetter NEWS models 50, 50c, 70, 100, and 150

1.2 Connecting Brisque to a Trendsetter



1.2.1 System Data and I/O Transfer

Brisque Connection to the Print Console Workstation

The Brisque runs on an AIX server. The Print Console workstation runs on a Windows 2000 server.
ASCII I/O managing commands are exchanged between the Brisque and the Print Console via TCP/IP.

Brisque Connection to Trendsetter

The Brisque transfers output files directly to the Trendsetter via the TSP cable.

1.3 Hardware Installation

The following platforms are currently available for Brisque to Trendsetter direct connectivity:

- 43P-150
- 44P-170
- F50
- 6F1



Note: Platforms E30 and 43P-140 are not supported.

1.3.1 Installing the Hardware

For a proper connection between the Brisque and a Trendsetter, you must install the following hardware items on the Brisque:

- A TSP board
- TSP cable (199D20025A)
- A Rotation board (not supplied with Trendsetter 400 kits)



Tip: The items are installed in different slots for each platform. Follow the individual instructions for your particular platform.

1.3.2 Installing the Hardware on the 43P-150 Platform

1. Shut down the Trendsetter.
2. Shut down Brisque using the appropriate Shutdown commands.
3. Disconnect the Brisque power cord.
4. Remove computer cover.
5. Remove the expansion slot covers from slots 3 and 4.
6. Insert TSP Board (503D03465) in slot 3.

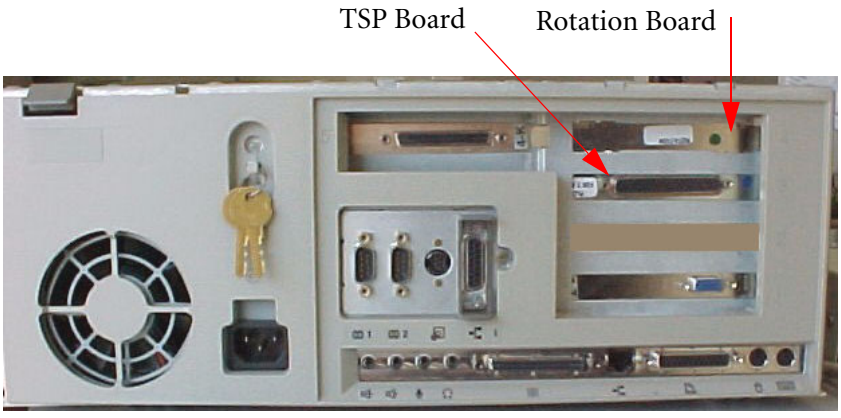


Note: TSP and Rotation kits come with brackets. Mount brackets on boards before inserting boards in slots.

7. Insert Rotation2 Board (510K51962A - 128MB) in slot 4.

Note: The rotation board is only supplied with Trendsetter 800 kits.

The following image displays the rear view of the 43P-150 platform:



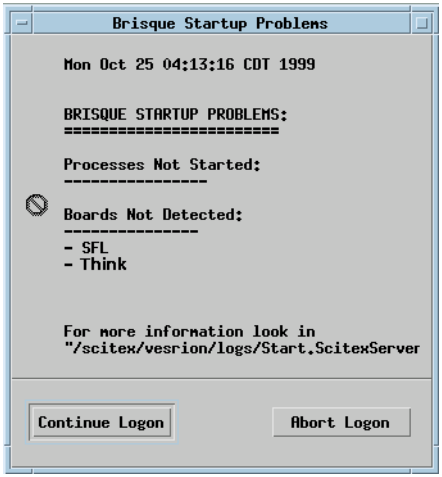
8. Replace the computer cover.
9. Connect the TSP cable to the Brisque, and then connect the end of the 72-pin TSP cable (199D20025A) to the TSP board in slot 3.

Note: The TSP cable should be connected to the Trendsetter in the factory. In case the TSP cable is not connected to the Trendsetter electronic box, refer to section A-6, *Connecting the TSP cable to the Trendsetter,* in the appendix.

Important: The distance between the Brisque and the Trendsetter can be a maximum of 30 meters. A 30 meter cable is supplied with the installation kit.

10. Power ON the Trendsetter.
11. Power ON the Brisque.

12. From the Login prompt, type `cdesci` and press ENTER twice. The Brisque Startup Problems window appears.



13. For Trendsetter 800 installations, make sure that the TSP and Rotation boards do not appear on the Board Not Detected list.
For Trendsetter 400 installations, make sure that the TSP board does not appear on the Board Not Detected list.

Important: If one of the boards appears on the list, contact your local service center.

1.3.3 Installing the Hardware on the 44P-170 (Hammerhead) Platform

1. Shut down the Trendsetter.
2. Shut down the Brisque using the appropriate Shutdown commands.
3. Disconnect the Brisque power cord.
4. Remove computer cover.
5. Remove the expansion slot covers from slots 3 and 4.

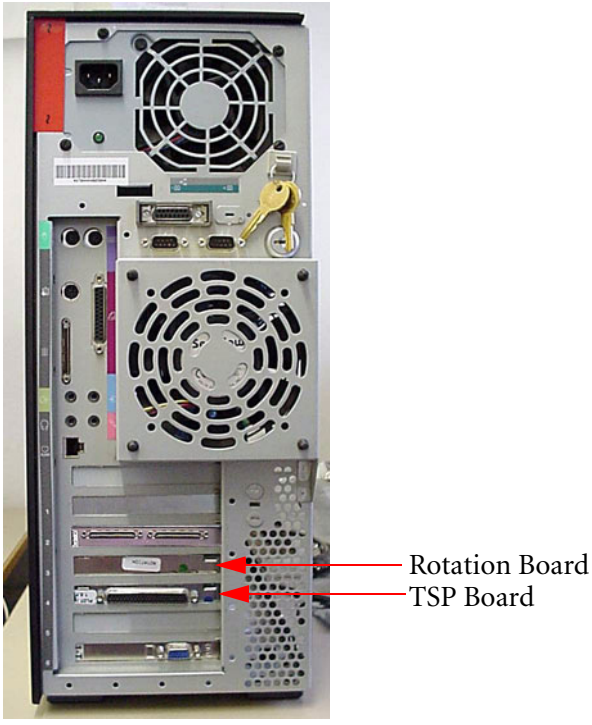
Note: TSP and Rotation kits come with brackets. Mount brackets on boards before inserting boards in slots.

6. Insert TSP Board (503D03465) in slot 4.

7. Insert Rotation2 Board (510K51962A - 128MB) in slot 3.

Note: The rotation board is only supplied with Trendsetter 800 kits.

The following image displays the rear view of the 44P-170 platform:



8. Replace computer cover.

9. Connect the TSP cable to the Brisque, and then connect the end of the 72-pin TSP cable (199D20025A) to the TSP board in slot 4.

Note: The TSP cable should be connected to the Trendsetter in the factory. In case the TSP cable is not connected to the Trendsetter electronic box, refer to section A-6, *Connecting the TSP cable to the Trendsetter,* in the appendix.

Important: The distance between the Brisque and the Trendsetter can be a maximum of 30 meters. A 30 meter cable is supplied with the installation kit.

10. Power ON the Trendsetter.

11. Power ON the Brisque.
12. Login as `root` with your password.
13. For Trendsetter 800 installations, make sure that the TSP and Rotation boards do not appear on the Board Not Detected list.
    For Trendsetter 400 installations, make sure that the TSP board does not appear on the Board Not Detected list.
    (See *page 6*).



Important: If one of the boards appears on the list, contact your local service center.

1.3.4 Installing the Hardware on the F50 Platform

1. Shut down the Trendsetter
2. Shut down the Brisque using the appropriate Shutdown commands.
3. Disconnect the Brisque power cord.
4. Remove computer cover.
5. Remove the expansion slot covers from slots 5 and 8.



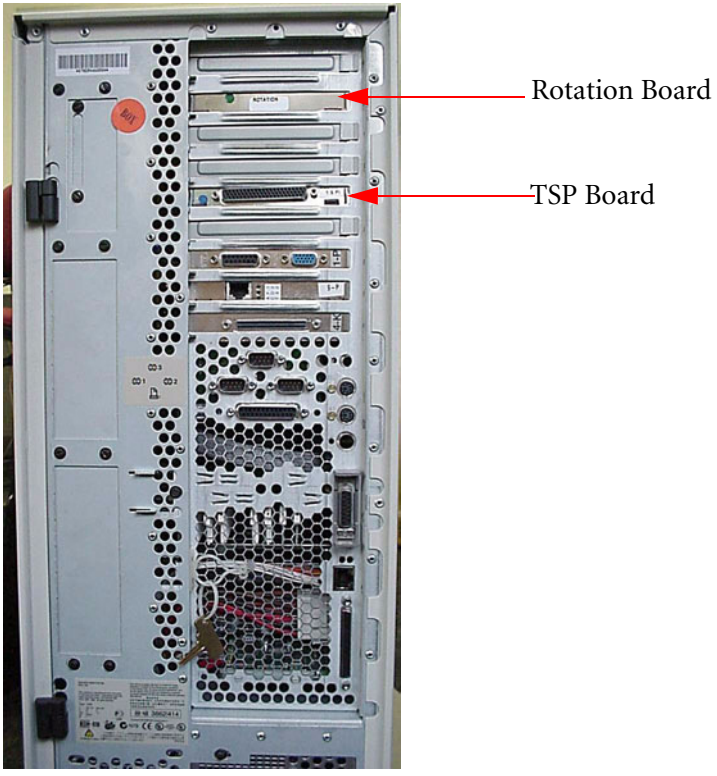
Note: TSP and Rotation kits come with brackets. Mount brackets on boards before inserting boards in slots.

6. Insert TSP Board (503D03465) in slot 5.
7. Insert Rotation2 Board (510K51962A - 128MB) in slot 8.



Note: The rotation board is only supplied with Trendsetter 800 kits.

The following image displays the rear view of the F50 platform



8. Replace computer cover.
9. Connect the TSP cable to the Brisque, and then connect the end of the 72-pin TSP cable (199D20025A) to the TSP board in slot 5.

Note: The TSP cable should be connected to the Trendsetter in the factory. In case the TSP cable is not connected to the Trendsetter electronic box, refer to section A-6, *Connecting the TSP cable to the Trendsetter,* in the appendix.

Important: The distance between the Brisque and the Trendsetter can be a maximum of 30 meters. A 30 meter cable is supplied with the installation kit.

10. Power ON the Trendsetter.
11. Power ON the Brisque.
12. Login as `root` with your password.

13. From the Login prompt, type `cdesci` and press ENTER twice. The Brisque Startup Problems window appears.
14. For Trendsetter 800 installations, make sure that the TSP and Rotation boards do not appear on the Board Not Detected list.
    For Trendsetter 400 installations, make sure that the TSP board does not appear on the Board Not Detected list.
    (See the Brisque Startup Problems window on *page 6*).



Important: If one of the boards appears on the list, contact your local service center.

1.3.5 Installing the Hardware on the 6F1 Platform

1. Shut down the Trendsetter.
2. Shut down the Brisque using the appropriate Shutdown commands.
3. Disconnect the Brisque power cord.
4. Remove computer cover.
5. Remove the expansion slot covers from slots 7 and 12.



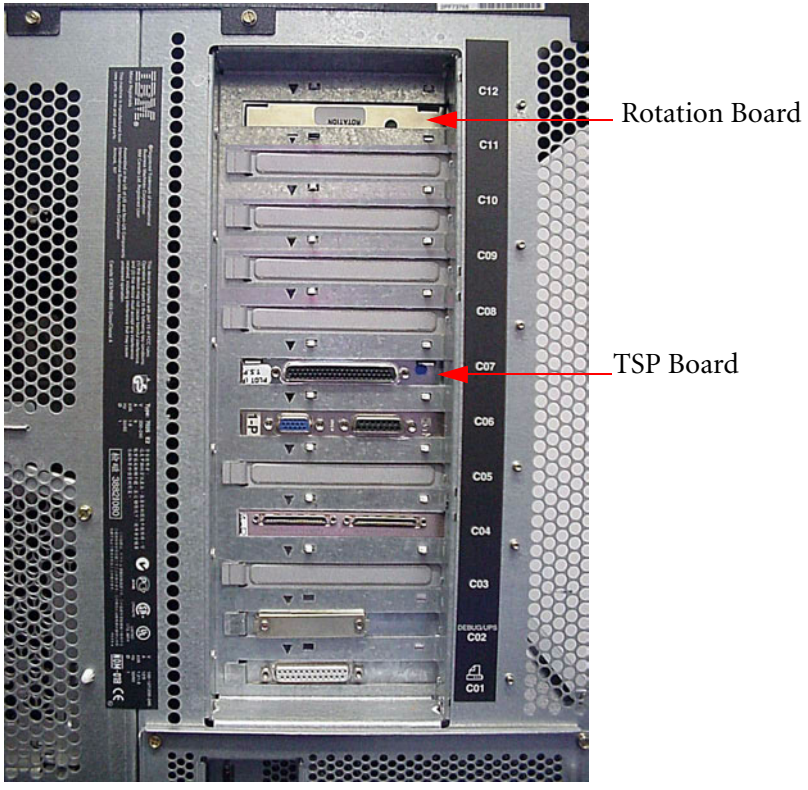
Note: TSP and Rotation kits come with brackets. Mount brackets on boards before inserting boards in slots.

6. Insert TSP Board (503D03465) in slot 7.
7. Insert Rotation2 Board (510K51962A - 128MB) in slot 12.



Note: The rotation board is only supplied with Trendsetter 800 kits.

The following image displays the rear view of the 6F1 platform:



8. Replace computer cover.
9. Connect the TSP cable to the Brisque, and then connect the end of the 72-pin TSP cable (199D20025A) to the TSP board in slot 7.

Note: The TSP cable should be connected to the Trendsetter in the factory. In case the TSP cable is not connected to the Trendsetter electronic box, refer to section A-6, *Connecting the TSP cable to the Trendsetter,* in the appendix.

Important: The distance between the Brisque and the Trendsetter can be a maximum of 30 meters. A 30 meter cable is supplied with the installation kit.

10. Power ON the Trendsetter.
11. Power ON the Brisque.
12. Login as `root` with your password.

13. From the Login prompt, type `cdesci` and press ENTER twice. The Brisque Startup Problems window appears.

14. For Trendsetter 800 installations, make sure that the TSP and Rotation boards do not appear on the Board Not Detected list.
    For Trendsetter 400 installations, make sure that the TSP board does not appear on the Board Not Detected list.
    (See *page 6*).



Important: If one of the boards appears on the list, contact your local service center.

1.4 Software Verification on the Workstation

We assume you have the following software installed on your workstation:

- Windows 2000
- Print Console version 3.4.06 or later
- Brisque Agent 1.00.053

To verify the workstation's software:

1. Startup the Print Console workstation.
2. Run the Print Console application. The BrisqueAgent application runs in the background, as indicated by the icon displayed in the task bar.



BrisqueAgent taskbar icon

To check the Brisque Agent version:

1. In the Windows task bar, right-click the **Creo** icon and select **About Brisque Agent**.
2. Make sure that Brisque Agent 1.00.053 is displayed.
   If this version is not displayed,



Note: If the Brisque Agent icon is not displayed in the Windows taskbar, or if the Brisque Agent version is earlier than 1.00.053, refer to the Troubleshooting appendix A.

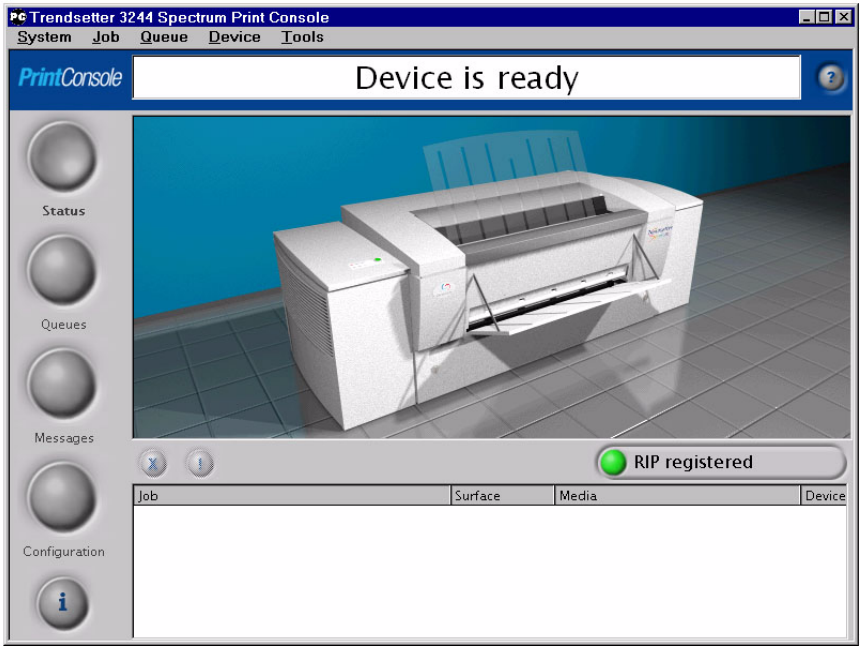
To check the Print Console version:

1. From the Menu bar of the Print Console application, select **System/ About Print Console.**
2. Make sure that Print Console 3.4.06 or later is displayed.

1.4.1 Checking if BrisqueAgent is Working in Background

To check if the BrisqueAgent is enabled on the Print Console:

➢ On the Print Console, click **Rip Registered**. The RIP Connection Status window is displayed with the Brisque Agent listed, and a **green** light to its left.



2

Trendsetter Configurations on the Brisque

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Configuring the Proofsetter Spectrum as a Halftone Proofer....27

2.1 General

The Trendsetter is a dual purpose device. It may function as a platesetter, a halftone proofer, or both, depending on the setup you purchased.
The platesetter is called Trendsetter, the halftone proofer is called Proofsetter Spectrum. If both functions are available the device is called Trendsetter Spectrum.
Each function of the device must be configured separately on the Brisque even though both share the same TCP/IP address.

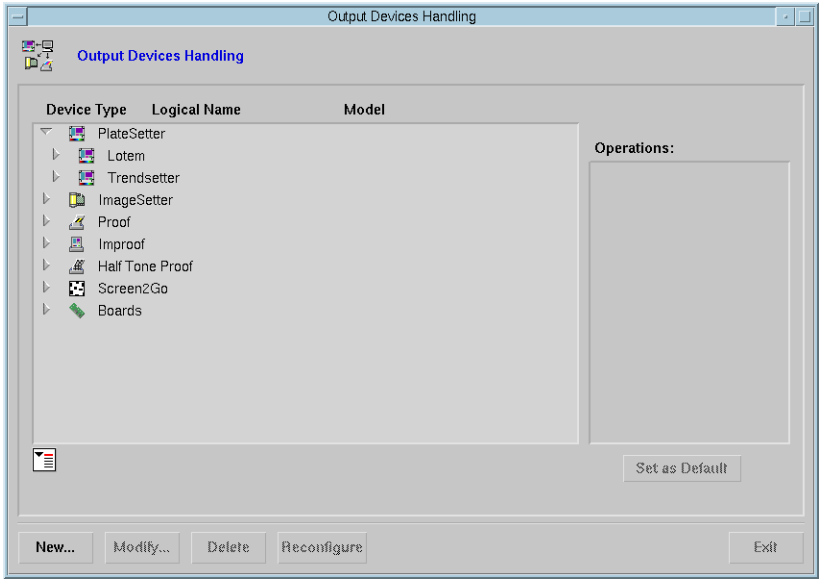
Brisque utilizes two different applications to expose or proof media to the Trendsetter or Trendsetter Spectrum, depending on the Job.

- **PlateExp -** used to expose Jobs to plates.
- **Spectrum -** used to proof Jobs to proofing media.

2.2 Configuring the Trendsetter on the Brisque

To launch Device Configuration:

1. From the Brisque Launch Pad, open the Setup panel.
2. Double-click the **Devices** icon. The Output Devices Handling window appears.



For additional information on Output Device Configuration (see *Brisque 4.0 User Guide, Chapter 38, Configuring Output Devices*).

Important: The Trendsetter can perform as a platesetter, a halftone proofer or both.
Each function must be configured separately, even if both functions utilize the same physical device.

2.2.1 Configuring the Trendsetter as a Platesetter

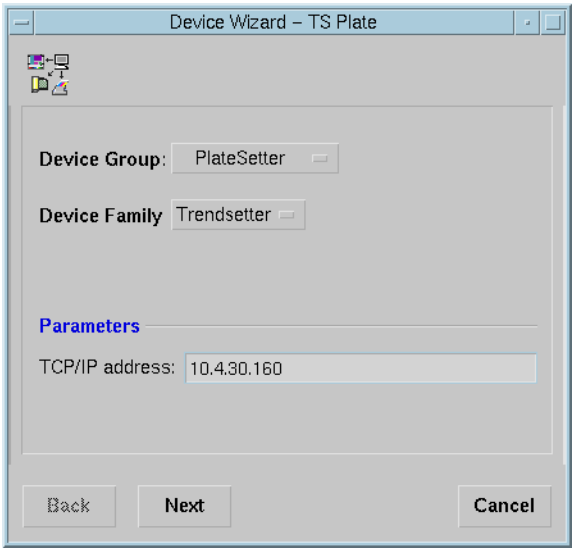


Important: Make sure the Print Console and the Brisque Agent are up and running. For further information, see *Checking if BrisqueAgent is Working in Background* on page 15.



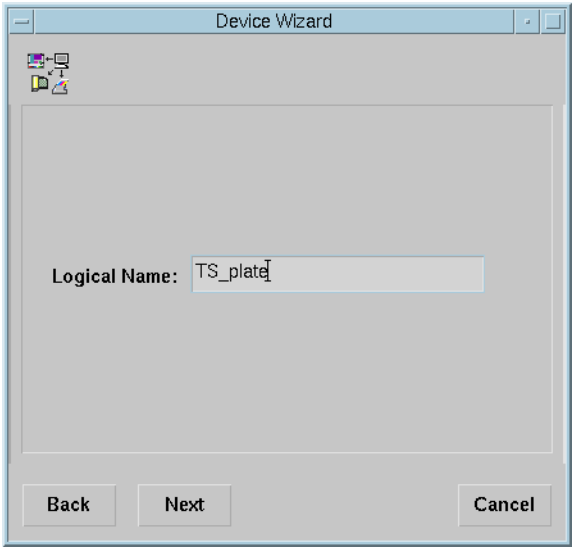
Note: Check the workstation's IP address, as described in *Checking the Workstation IP Address* on page 61.

1. From the Output Devices Handling window, click **New**. The Device Wizard window appears.



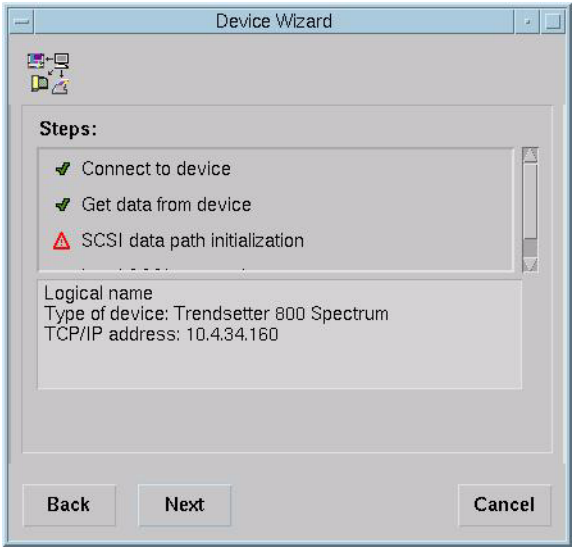
2. From the **Device Group** list box, select **PlateSetter**.
3. From the **Device Family** list box, select **Trendsetter**.
4. In the **TCP IP address** box, type the TCP/IP address of the Print Console workstation.

5. Click **Next.** The following window is displayed.

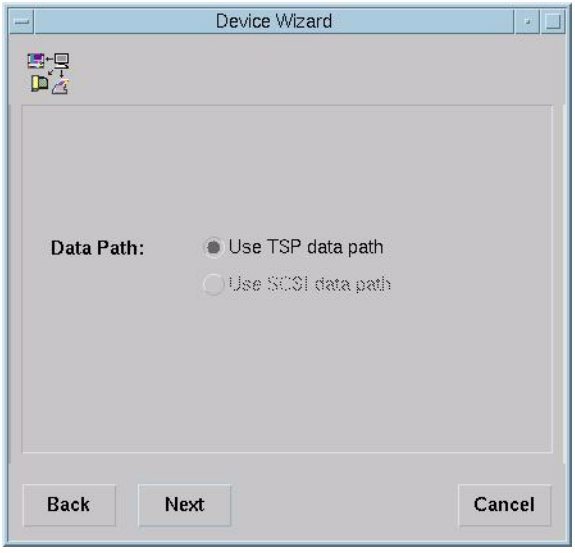


6. In the **Logical Name** box, type a name for the Trendsetter you want to configure.

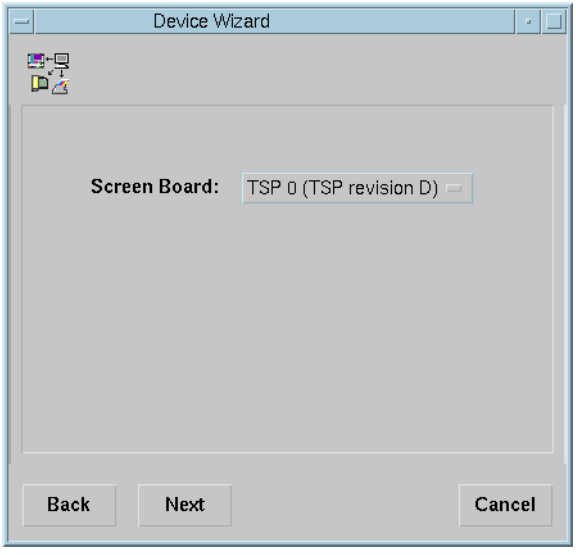
7. Click **Next.** If the configuration was successful, the following window appears. Check marks are displayed next to the three steps.



8. Click **Next**. The following window appears.

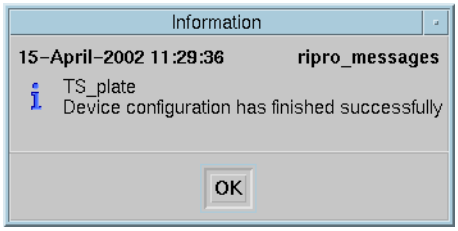


9. Click **Next**. The following window appears.

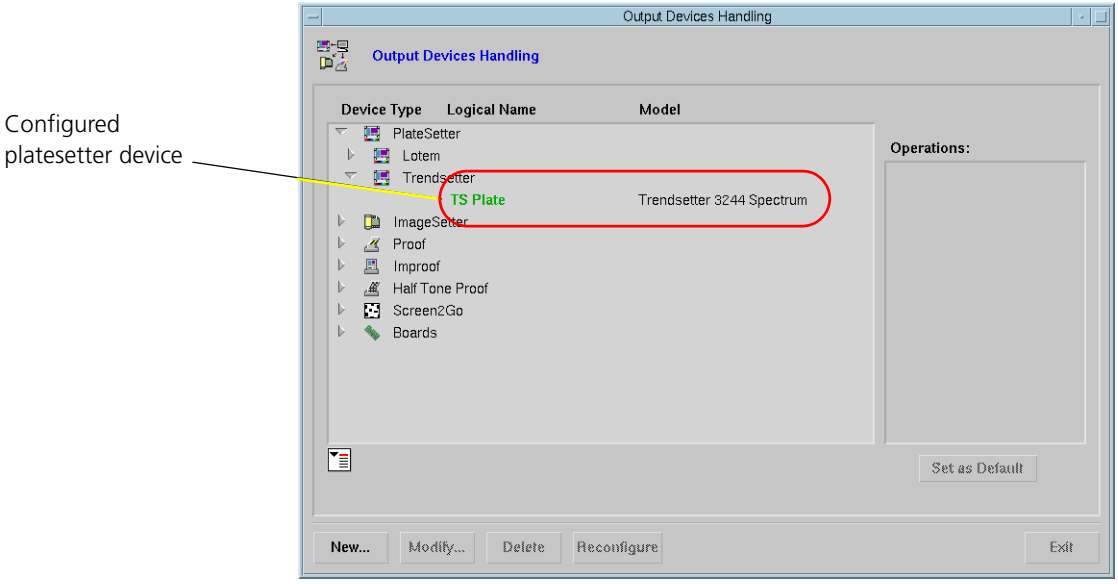


10. From the **Screen Board** list boxes, select **TSP 0**.
11. Click the **Next** button.

12. The following dialog box appears for a short while, then disappears.



The configuration process is complete, and you are returned to the Output Devices Handling window.



2.2.2 Re-configuring the Trendsetter

The Brisque requests Media Device information from the Print Console via TCP/IP.

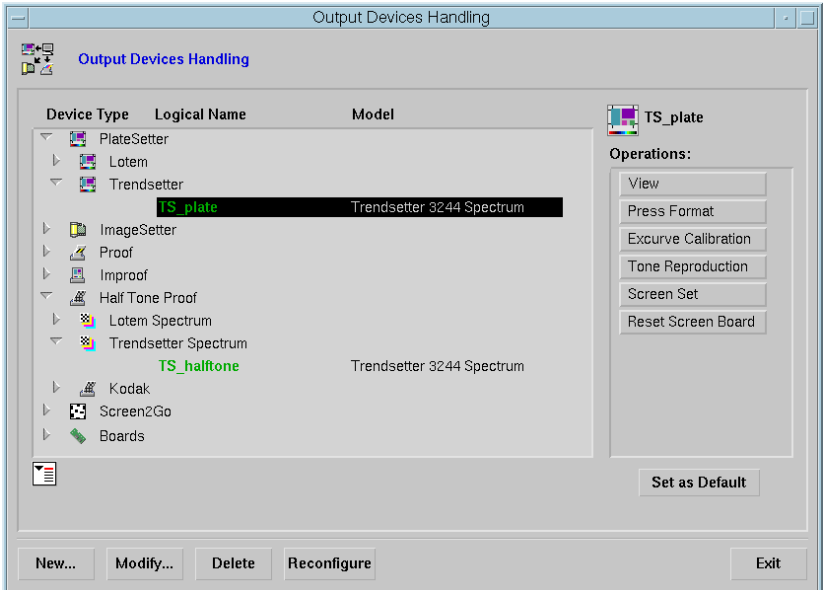
To Re-configure the Trendsetter (platesetter):

1. In the Output Devices Handling window, click the arrow to the right of the PlateSetter. The arrow points downwards now and the Platesetter -devices are displayed.
2. Click the arrow to the right of the Trendsetter. The arrow points downwards now and the Trendsetter configurations are displayed.
3. Select a configuration. The row is highlighted.
4. Click **Reconfigure**. The Trendsetter data is imported from the Print Console. The device is configured once again.

2.2.3 Displaying the Trendsetter Configurations

To display the Trendsetter configurations:

1. On the Output Devices Handling window, click the triangle next to PlateSetter then the triangle next to Trendsetter. The Trendsetter configuration is displayed.
2. To enable operations for the specific device, select the configuration. The relevant operations are accessible in the Operations section.



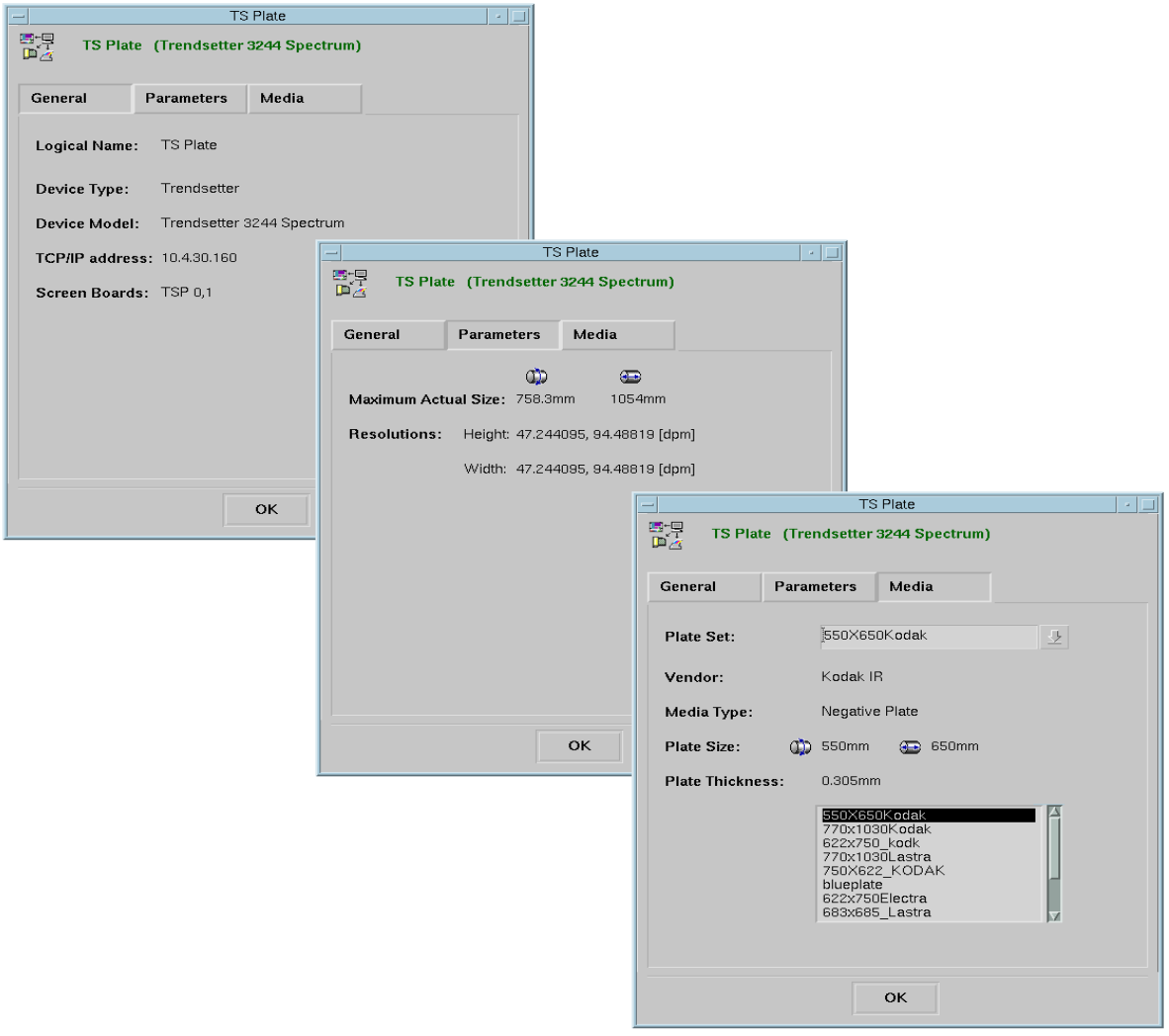
2.2.4 Viewing the Trendsetter Parameters

To view the Trendsetter parameters:

1. On the Output Devices Handling window, select a configuration row. The row is highlighted and relevant operations are enabled.
2. Click the **View** button. The device parameter tabs are displayed.

Platesetter parameters:

The following are examples of the Trendsetter Platesetter parameters.



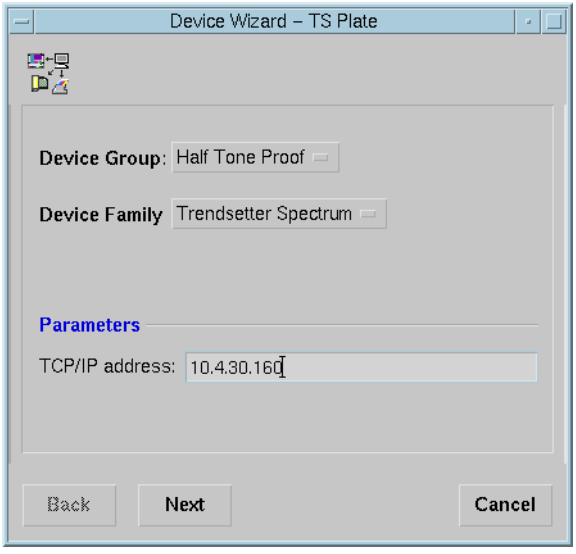
2.3 Configuring the Proofsetter Spectrum as a Halftone Proofer

To configure the Proofsetter Spectrum as a halftone proofer:

Important: Make sure the Print Console and the Brisque Agent are up and running. For further information, see *Checking if BrisqueAgent is Working in Background* on page 15.

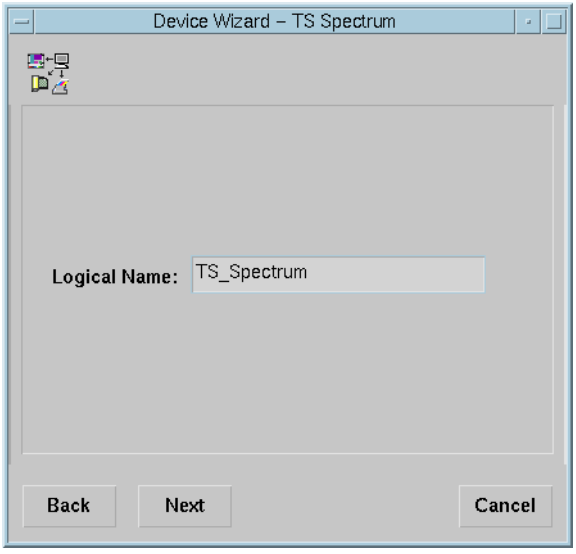
Note: Check the workstation's IP address, as described in *Checking the Workstation IP Address* on page 61.

1. From the Output Devices Handling window, click **New**. The Device Wizard window appears.

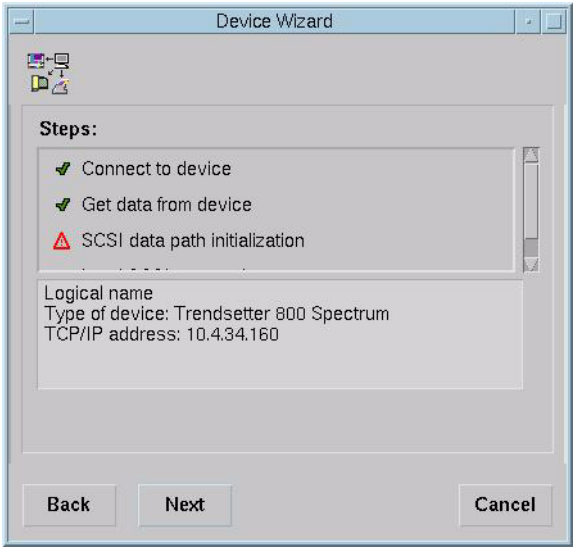


2. From the **Device Group** list box, select **Half Tone Proof**.
3. From the **Device Family** list box, select **Trendsetter Spectrum**.
4. In the **TCP/IP address** box, type the TCP/IP address of the Print Console workstation.

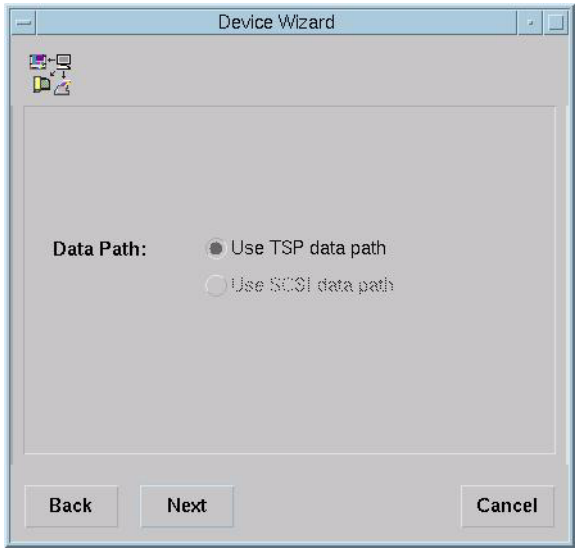
5. Click **Next**. The following window appears.



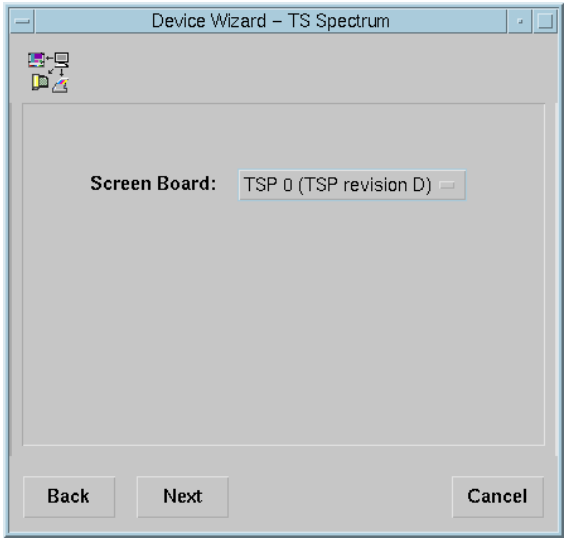
6. In the **Logical Name** box, type a name for the Proofsetter Spectrum you want to configure.
7. Click **Next**. The following window appears.



8. Click **Next.** The following window appears.

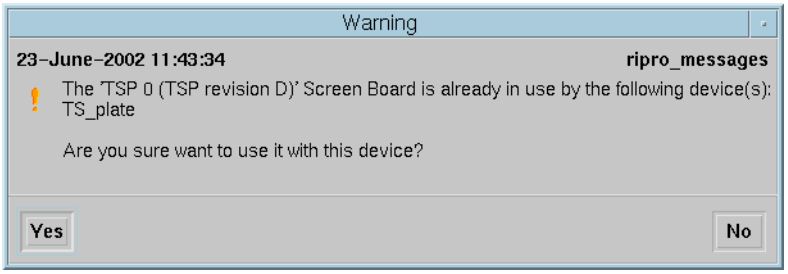


9. Click **Next.** The following window appears.

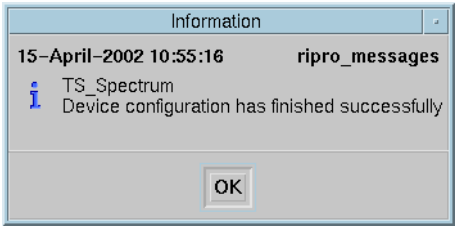


10. From the Screen Board list box, select the **TSP 0** board and then click **Next.** .

If a warning dialog appears, click Yes.



The following dialog box appears for a short while, then disappears.



The configuration process is complete, and you are returned to the Output Devices Handling window.

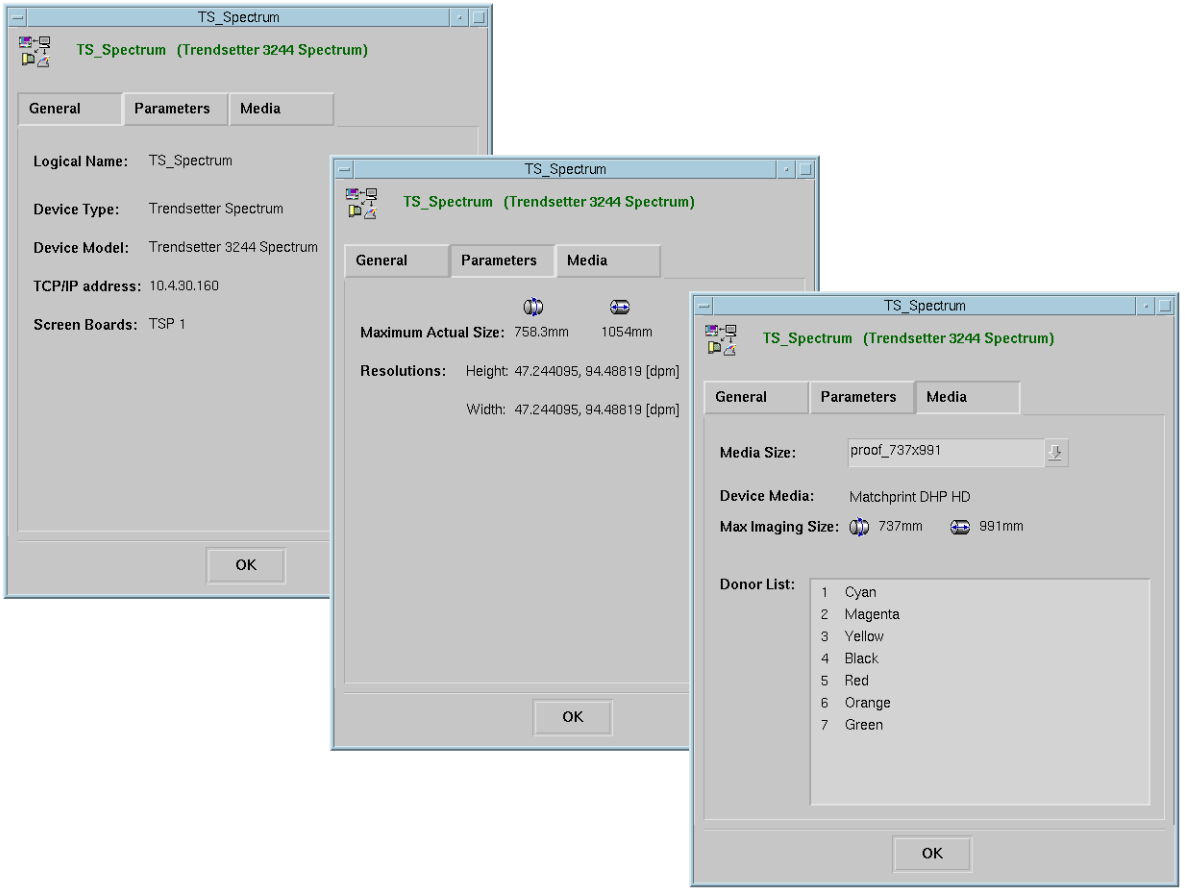
2.3.1 Re-configuring the Proofsetter Spectrum

1. In the Output Devices Handling window, click the arrow to the left of the Half Tone Proof. The arrow points downwards now and the Half Tone proof devices are displayed.
2. Click the arrow to the left of the Trendsetter Spectrum. The arrow points downwards now and the Trendsetter Spectrum configurations are displayed.
3. Select a configuration. The row is highlighted.
4. Click **Reconfigure**. The Proofsetter Spectrum data is imported from the Print Console. The device is configured once again.
   The Configuration is completed.

2.3.2 Viewing the Proofsetter Parameters

Half Tone proofer parameters:

The following are examples of the Trendsetter Half Tone proofer parameters.


TS_Spectrum
TS_Spectrum (Trendsetter 3244 Spectrum)
General
Parameters
Media
Logical Name: TS_Spectrum
Device Type: Trendsetter Spectrum
Device Model: Trendsetter 3244 Spectrum
TCP/IP address: 10.4.30.160
Screen Boards: TSP 1
OK
TS_Spectrum
TS_Spectrum (Trendsetter 3244 Spectrum)
General
Parameters
Media
Maximum Actual Size: 758.3mm 1054mm
Resolutions: Height: 47.244095, 94.48819 [dpm]
Width: 47.244095, 94.48819 [dpm]
OK
TS_Spectrum
TS_Spectrum (Trendsetter 3244 Spectrum)
General
Parameters
Media
Media Size: proof_737x991
Device Media: Matchprint DHP HD
Max Imaging Size: 737mm 991mm
Donor List:
1 Cyan
2 Magenta
3 Yellow
4 Black
5 Red
6 Orange
7 Green
OK

3

Brisque to Trendsetter Workflows

PlateExp Workflow 34
Spectrum Workflow 42

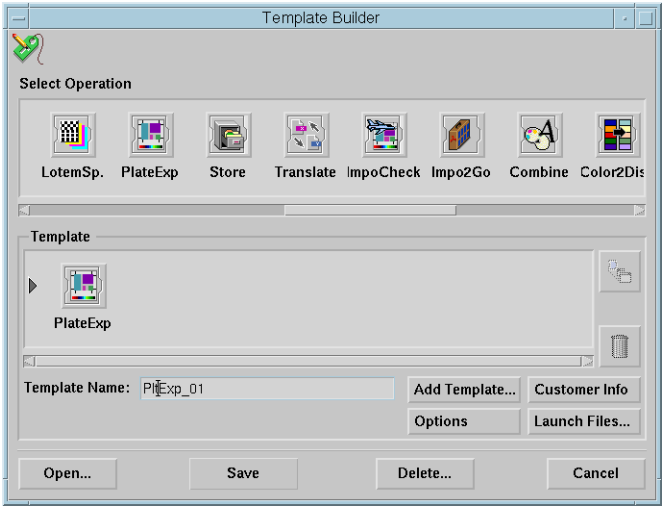
3.1 PlateExp Workflow

This workflow starts with the definition of the Expose Template and is completed when the Print Console oversees the exposure of a Job to a plate on the Trendsetter.

3.1.1 Defining a PlateExp Template

To define a new plate expose template:

1. From the Brisque Launch Pad, open the Automation Tools panel.
2. Double-click the **Builder** icon. The **Template Builder** icon appears.



3. Double-click the **PlateExp** icon. The icon is placed in the Template section.

4. Double-click the **PlateExp** icon in the Templates section. The Plate Expose Template window appears.



5. Define the Plate-Expose process parameters according to your needs.

   a. From the **Screen-Set** list box, select a screen set with a resolution compatible with the device.

Note: Input Orientation option is available only when **Allow Input Orientation Selection** is selected in the Plate Expose Output Preferences.

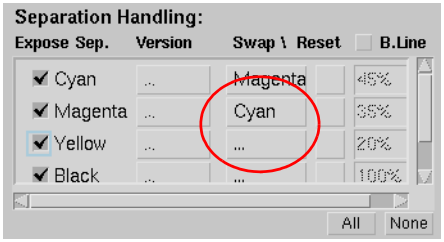
b. From the **Press Format** list box, select a Press Format.

c. From the **Plate Set** list box, select the plate set (plate sets compatible with the press format are defined in the Print Console and displayed in **green**).

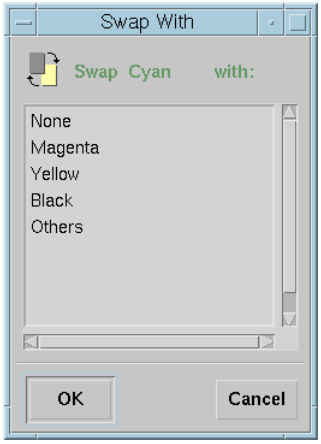
Important: The plate set and the press format selected must be compatible. when correctly selected they will both be displayed in **green**.

d. In the Separation Handling section, select the separations you want to expose.

e. Each separation is assigned an exposure angle. you can assign another separation's exposure angle. This option is used to prevent Moire.



In the Separation Handling section, select a separation then click the button under Swap. The Swap With window appears.



f. In the Swap With window, select a separation assigned the exposure angle you wish to change to.

g. Click **OK**. The exposure angles are switched. The new separation name is displayed on the **Swap** button, next to the selected separation, and the old name is displayed on the **Swap** button next to the separation selected to switch with.
For example: If you wish to assign the Magenta exposure angle to the Cyan separation, select the Cyan separation in the Separation Handling section and in the Swap With window select Magenta. The Magenta exposure angle will now be assigned to the Cyan separation and the Cyan exposure angle will be assign to the Magenta separation.

h. To create a Blue Line (expose all the separations on a single plate), select the **B.Line** check box.



For complete information on the PlateExp template parameters, see *Brisque 4.0 User Guide, Chapter 43 Exposing to Plate*.

6. Click **OK**. The Plate Expose window is closed. You are returned to the Template Builder window.

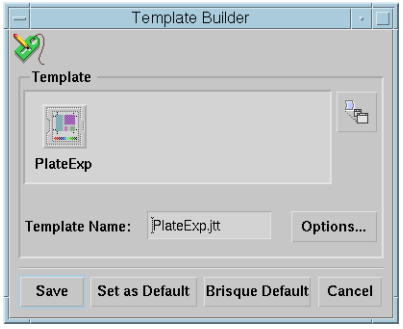
7. In the **Template Name** box type the new template name and click **Save**. You return to the Brisque CDE and the template is saved in the **templates** folder.



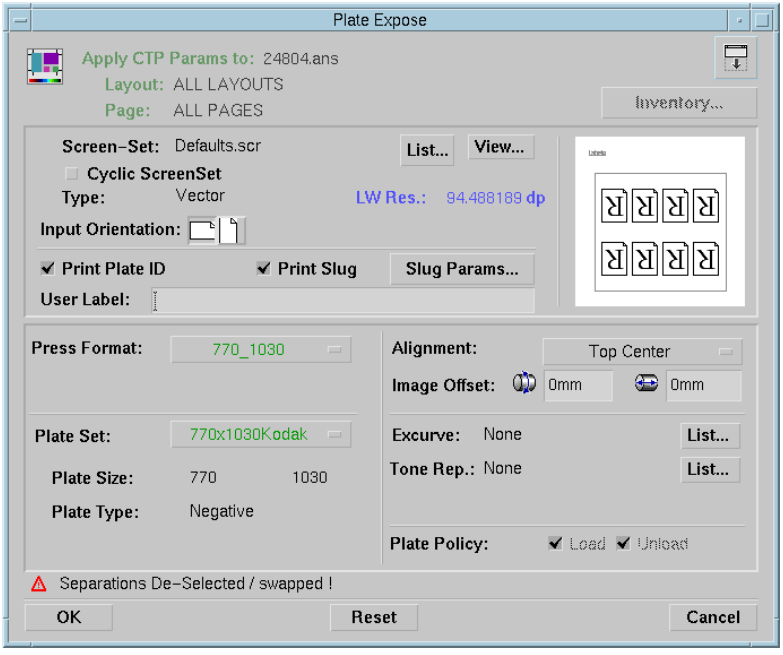
Note: Define as many templates as needed and save them to the **templates** folder. Use distinctive names to identify each template designed for a specific operation.

A quick method to define a plate expose template:

1. From the Output panel, double-click the **PlateExp** icon. The Template Builder window appears.



2. Click the **PlateExp** icon. The Plate Expose window appears.



3. In the Plate Expose window, define the plate parameters and click **OK**. The Plate Expose window is closed.

4. Type a new name in the **Template Name** box and click **Save**, to save the template to the **templates** folder. You return to the Brisque.

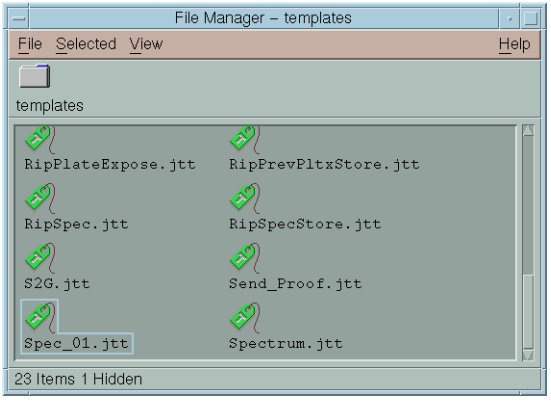
Note: You can click **Save As Default** to save the parameters to the default template which will display each time you double-click the **PlateExp** icon on the Output panel.

3.1.2 Exposing a Job to the Trendsetter

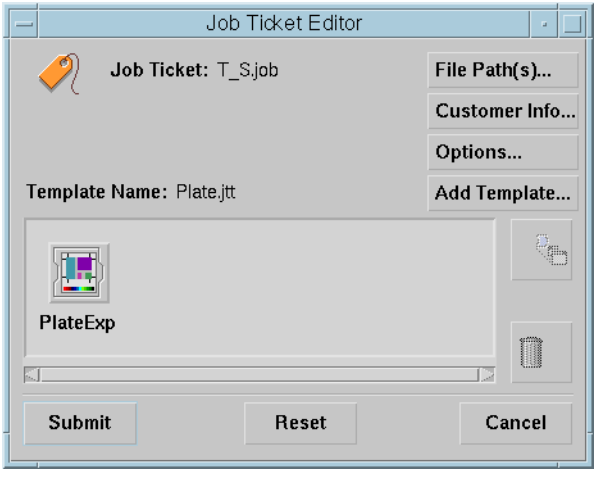
To expose the Job using the PlateExp application:

1. On the Brisque:

   a. From the Automation Tools panel, double-click the **Templates** icon. The **templates** folder is displayed, showing the available templates with extension .jtt.



   b. Select a pre-defined Job, drag and drop it over the defined PlateExp template. The Job Ticket Editor window appears.



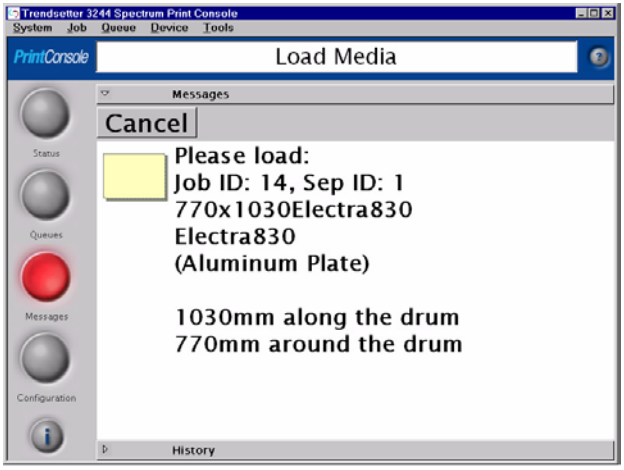
Note: Double-clicking the **PlateExp** icon opens the template for local modifications. The modifications are not saved for future use.

Tip: If you set the PlateExp icon to display on the Launch Pad, each time you drag and drop a Job onto the icon, the default template with the previously defined parameters is used.

c. From the Job Ticket Editor window on the Brisque, click **Submit**. The progress Indicator reflects the process initiation.

2. On the Print Console:

a. When the Print Console requests manual loading of a plate, the LOAD indicator lights.



b. Place the unexposed plate in the Trendsetter and press START. The plate slides into the Trendsetter.

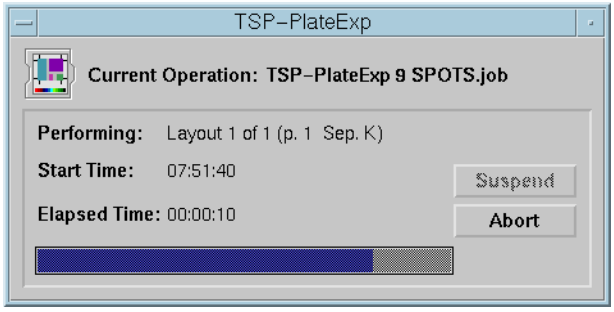
c. When the plate is fixed in place, the Brisque sends the Job data to the Trendsetter and the Print Console overseers the exposure process.

d. The Trendsetter exposes the plate to a single separation (or simultaneously to all, in a case of Blue Line exposure).

Note: The process cycles for each separation. When one is completed, the Print Console requests manual loading of the next plate. Until all separations are exposed.

3. On the Brisque:

   a. The Progress Indicator on the Brisque continues to show the Job progress.



   b. When the Job is done the Progress Indicator is dismissed.

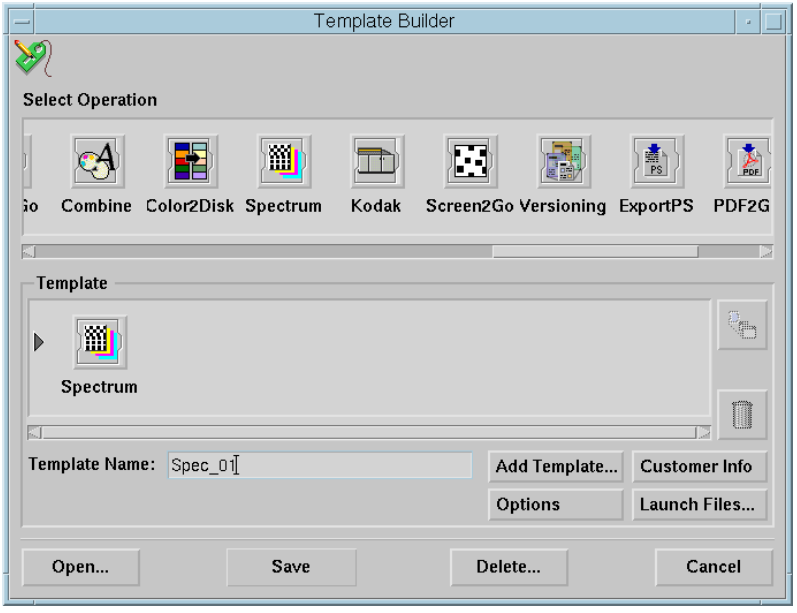
3.2 Spectrum Workflow

This workflow starts with the definition of a Spectrum Template and is completed when the Print Console overseers the proofing of a Job to a Proofsetter Spectrum or Trendsetter Spectrum.

3.2.1 Defining a Spectrum Template

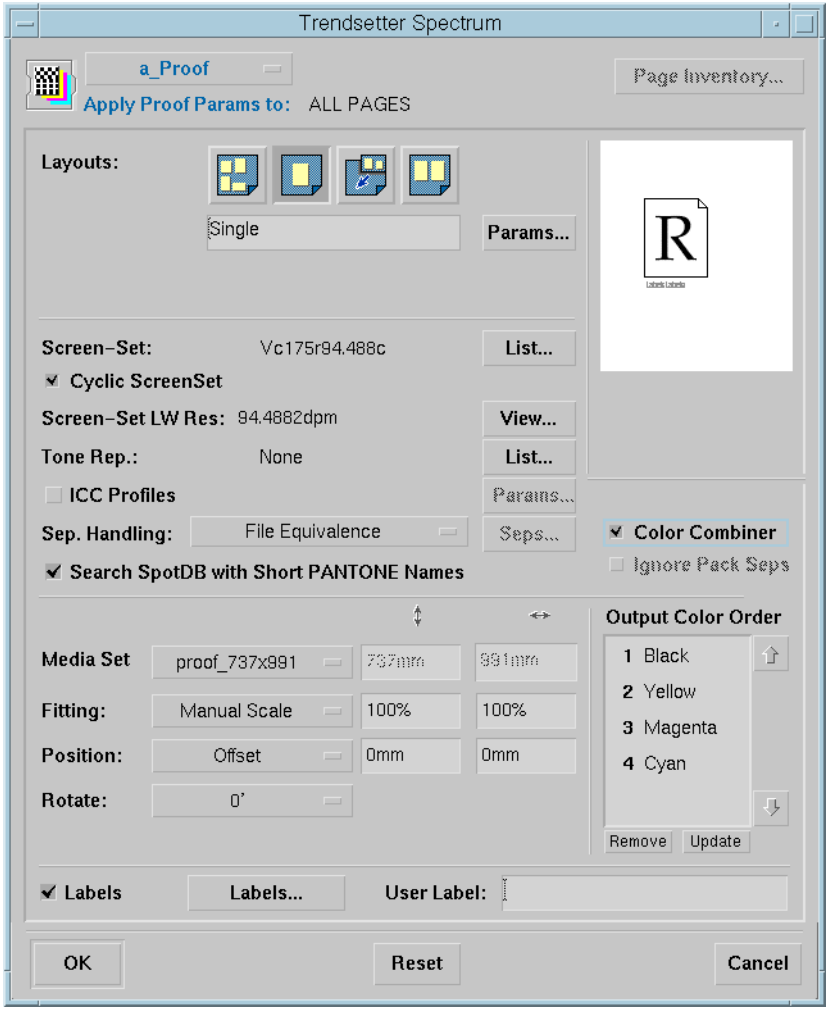
To define a new Spectrum template:

1. From the Brisque Launch Pad, open the Automation Tools panel.
2. Double-click the **Builder** icon. The **Template Builder** window appears.



3. Double-click the **Spectrum** icon. The icon is placed in the Template section.

4. Double-click the **Spectrum** icon in the Templates section. The Trendsetter Spectrum Template window appears.



5. In the Output Color Order section, click **Update**, to update the list of donors from the Print Console. To remove a donor from the list, select it and click **Remove**.

Note: To restore the complete list of donors from the Print Console (after removing donors from the Output Color Order list), click **Update**.

6. From the **Screen-Set** list box, select a screen set with a resolution compatible with the device (2400 dpi/94.48819 dpm).

7. To automatically define spot color dot shape angle parameters in a cyclic manner (CMKCMK, and so on), select the **Cyclic ScreenSet** check box.



To learn more about Manual or Automatic assignment of Spot Color Separation dot shape angle, see *Brisque 4.0 User Guide, Chapter 40, Screen Sets*.

8. From the **Spot-color Handling** list box, select spot color handling method.
(See *Spot Color Handling* on page 45).
9. To select a Tone Reproduction curve, click **List**, to the right of Tone Rep. The Tone Rep. curve list appears.
10. Select a curve and click **OK**. A Tone Rep. curve is not mandatory and **None** can be selected.
11. To simulate the hue and halftone dot structure of spot colors using only CMYK process colors, select the **Color Combiner** check box.
12. To exclude postpress die line data being included with the proof , select the **Ignore Pack Seps** check box.
13. From the **Media Set** list box, select a Media Set that matches the parameters of the output media that you are going to use.
14. To fit the image (clip or scale) to the output, select an option from the **Fitting** list box. When using scale or offset, type the values in the boxes to the right.
15. From the **Image Position** list box, select a defined position. If the image is to be offset, type offset values in the boxes to the right.
16. If image has to be rotated, select Rotate 90° from **Rotate** list box.
17. To add labels to the output, select the **Labels** check box.
To edit the labels, click Labels, edit the labels window and click **OK**.
To add a user label, type a comment in the **User Label** box.
18. Click **OK**. The Spectrum window is closed.
19. In the **Template Name** box type the new template name and click **Save**. You return to the Brisque CDE and the template is saved in the **templates** folder.



Note: Define as many templates as needed and save them to the **templates** folder. Use distinctive names to identify each template designed for a specific operation.

3.2.2 Spot Color Handling

This option enables you to specify which special color donor to apply to what spot color, when you apply a template to a Job containing Spot Color separations.

Two methods are available:

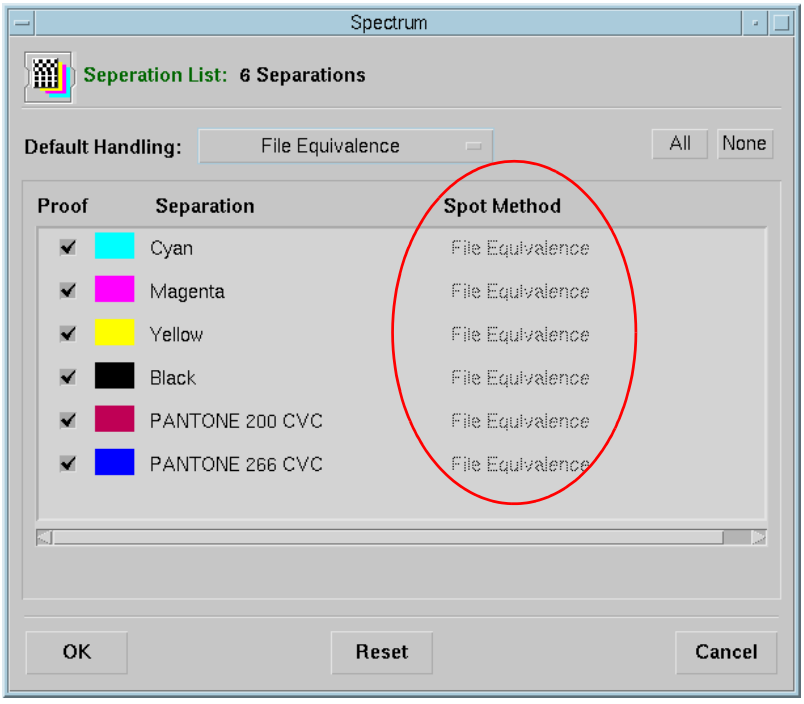
- Convert all spot colors to process colors
- Specify special color donors for spot colors.

To convert all spot colors to the process colors:

1. Select **All to Process** from the **Spot-color Handling** list box. All the spot colors will be converted to the process (CMYK) colors.
   For example, if a spot color is composed of 20% Cyan, 30% Magenta, 35% Yellow and 10% Black, the **All to Process** option will cause the spot color to be composed of only process colors (CMYK), each contributing its relative part of the spot color.

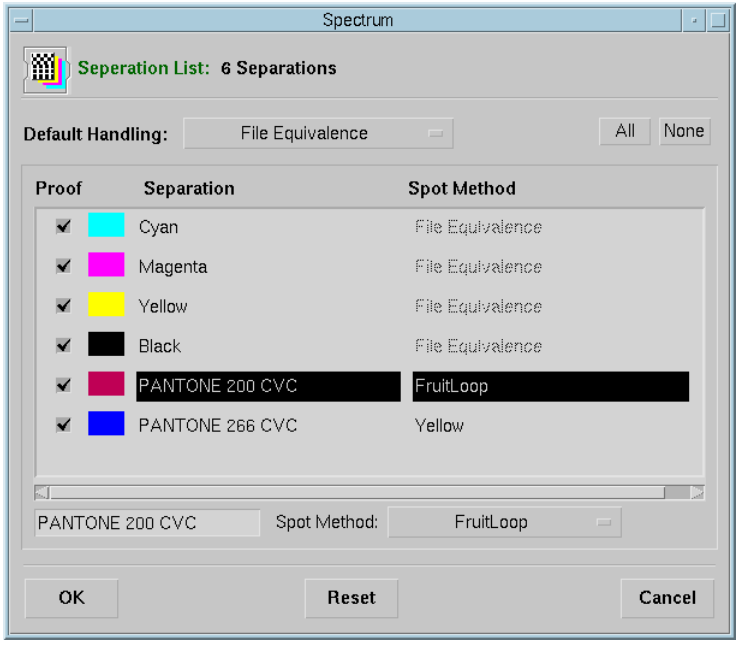


Note: To view the separations click **specify**. The Spectrum Separation List window is displayed, showing separations only.


Spectrum
Seperation List: 6 Separations
Default Handling:
File Equivalence
All
None
Proof
Separation
Spot Method
Cyan
File Equivalence
Magenta
File Equivalence
Yellow
File Equivalence
Black
File Equivalence
PANTONE 200 CVC
File Equivalence
PANTONE 266 CVC
File Equivalence
OK
Reset
Cancel

To specify which donor to assign to which spot color:

1. select **Specific** from the **Spot-color Handling** list box. The Spectrum Separation List window appears.



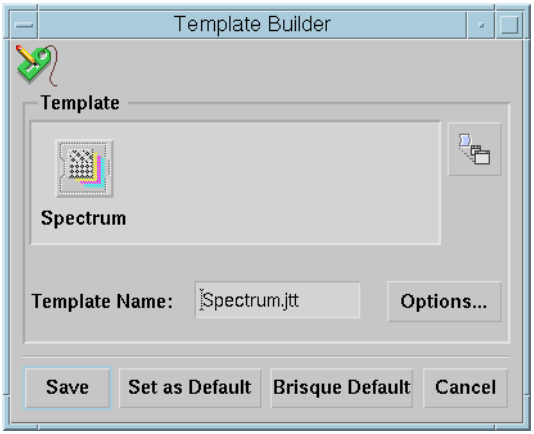
2. Make sure all separations required for current exposure are selected, in the Proof column.
3. Select the specific spot color, then from the **Spot Method** list box select the special donor to match. The selected donor is removed from the list of available donors and is listed in the Spot Method column.
4. Repeat process for spot colors, as required, until no more special color donor appear on the list. Additional spot colors will be automatically converted process.
5. Click **OK**. You return to the Spectrum window.

Important: The list of special color donors is defined in the Print Console, and is displayed in the Output Color Order section of the Spectrum window when clicking **Update**. You can only assign one special color donors to one spot color. Excess spot colors are converted to process colors.

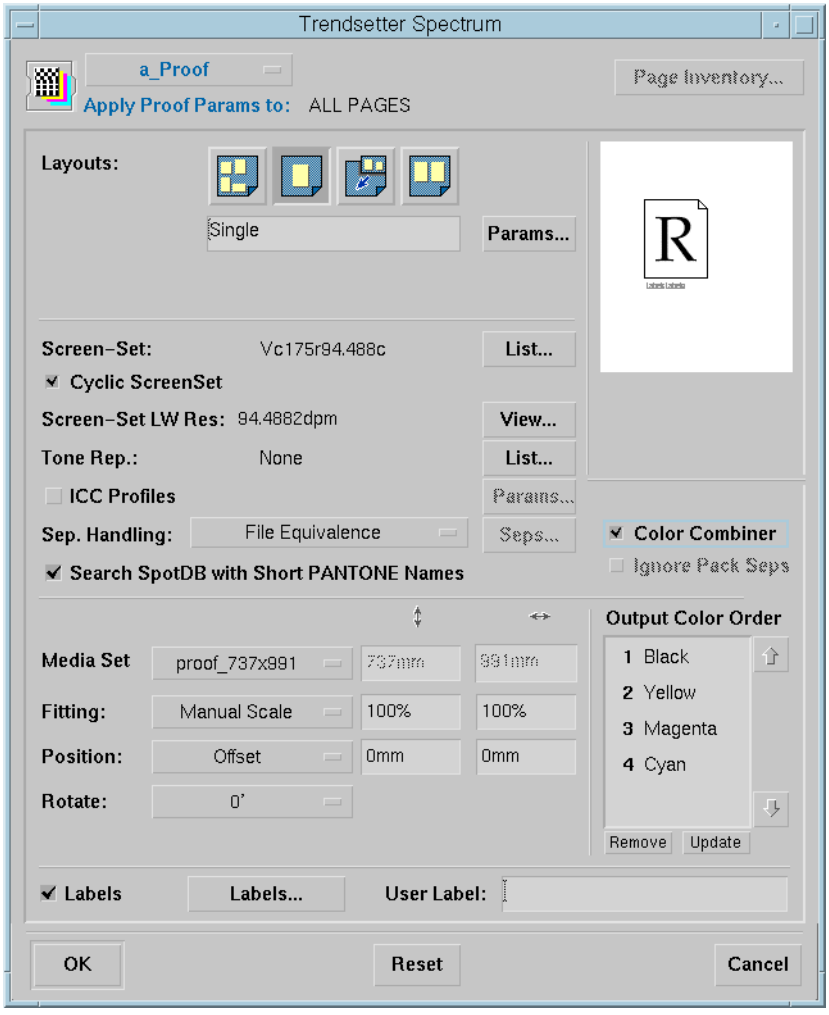
3.2.3 A Quick Method to Define a Spectrum Template

To define a Spectrum template:

1. From the Output panel, double-click the **Spectrum** icon. The Template Builder window appears.



2. Click the **Spectrum** icon. The Trendsetter Spectrum window appears.



3. In the Trendsetter Spectrum window, define the proof parameters and click **OK**. The Trendsetter Spectrum window is closed.

4. Type a new name in the **Template Name** box and click **Save**, to save the template to the **templates** folder. You return to the Brisque CDE.

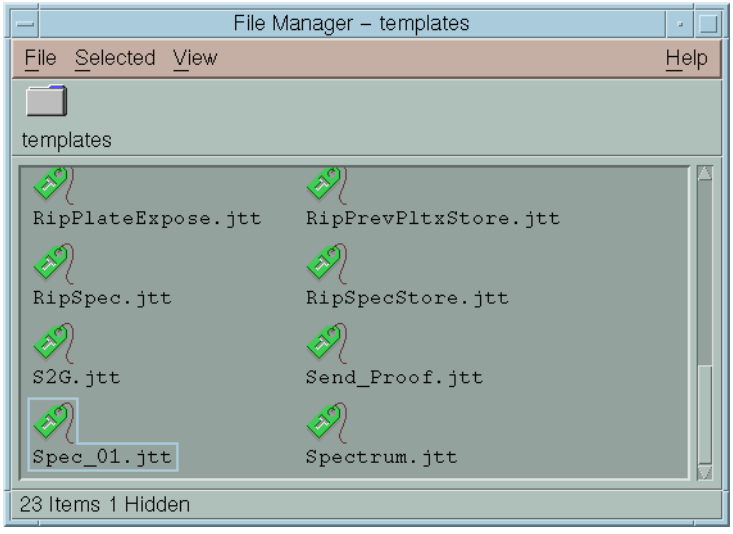
Note: You can click **Save As Default** to save the parameters to the default template which will display each time you double-click the **Spectrum** icon on the Output panel.

3.2.4 Proofing a Job to the Proofsetter Spectrum or Trendsetter Spectrum

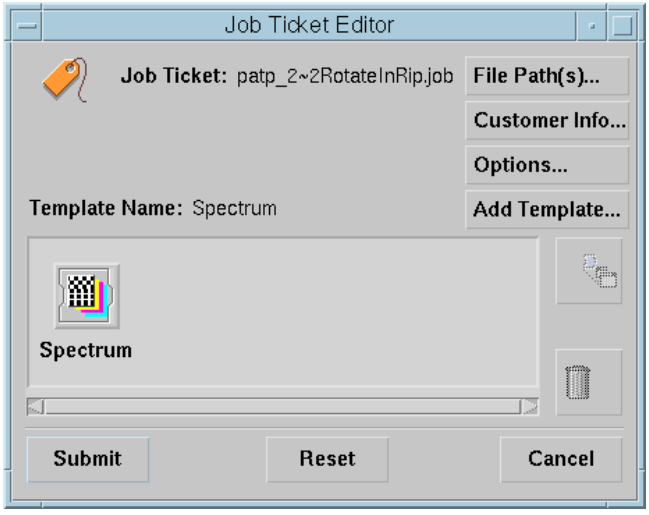
Important: Before the Job is submitted, the Trendsetter must be made ready. The Print Console must be up. The carrier and the media tray with correct set of donors are prompted for by Print Console.

To proof a Job using the Spectrum application:

1. On the Brisque:
   a. From the Automation Tools panel, double-click the **Templates** icon. The **templates** folder appears, showing the available templates with .jtt extension.



b. Select a pre-defined Job and drag and drop it over the defined Spectrum template. The Job Ticket Editor window appears.



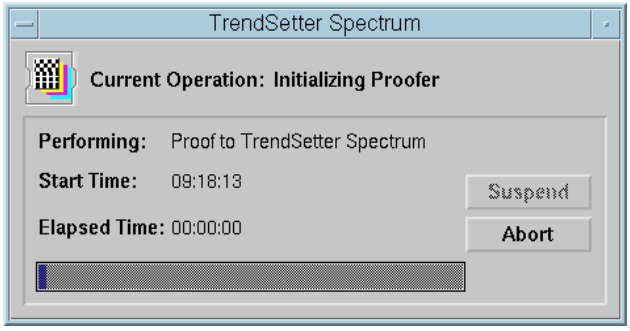
Tip: If you set the Spectrum icon to display on the Launch Pad, each time you drag and drop a Job to the icon, the default template with the previously defined parameters is used.

Note: Double-clicking the **Spectrum** icon opens the template for local modifications. The modifications are not saved for future use.

c. In the Job Ticket Editor window, double-click the **Spectrum** icon, the Spectrum Template window appears.

d. After parameters are set, click **OK** to exit back to the Job Ticket Editor.

e. From the Job Ticket Editor, click **Submit**. Brisque sends the Job data to the Proofsetter Trendsetter or Trendsetter Spectrum. Progress is followed on the Process Indicator.



2. On the Print Console:

a. The Print Console overseers the proof process. The Proofsetter Spectrum or Trendsetter Spectrum proofs the receiver to each donor in turn, ejecting the spent donors back o the tray one at a time.

b. When the job is done the finished receiver is expelled to the tray.

A

Appendix

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A.1 Installing Brisque Agent on the Windows Workstation

BrisqueAgent is an application used to link between the Brisque ASCII commands and the Print Console GDAPI.



Important:

- You must install BrisqueAgent on the workstation where the Print Console application resides.
- When upgrading from a previous version, you must remove the previous version, then reboot the computer before you begin the installation of the new version of BrisqueAgent.
- The workstation login user must have administrator privileges.

To install BrisqueAgent on the Windows workstation:

1. First, make sure that the Print Console application is installed on the Print Console workstation.
2. If the Print Console application is running, quit the application.
3. Insert the Release Control software CD-ROM in the CD-ROM drive.
4. From the compact disc, open the **BrisqueAgent** folder.
5. Run **setup.exe**.

   The Set Up Wizard is activated.
6. Follow the instructions of the Setup Wizard.



Note: When a previous version is detected, the wizard inquires whether to remove or override it. Remove previous version, then run setup again, this time install.

7. When installation is complete the workstation reboots automatically.

A.2 Attaching BrisqueAgent to Print Console

When Print Console is launched, BrisqueAgent must be launched as well, therefore the launching command is placed in the Print Console initialization file.



Note: Only perform the following procedure if the Print Console was configured to work with the Tiffdownloader program.

To attach BrisqueAgent to Print Console:

1. On the Print Console workstation, locate the **Print Console** folder (found on disk E or system disk), using the Browser.
2. In the **Print Console** folder, find the **begin.inf** file (located in the **bin** folder).
3. Open the file with any editor. (Double-click to open or right-click the file and select **Edit** from the popup.)
4. Edit the file as follows:
   a. Add a #(pound symbol) before the sentence that starts with "`tiffdownloader`.
      The edited sentence should read:
      `#"tiffdownloader /.. /testscsi" /unique /noconsole /min /exit 0 /restartdelay 10`
   b. Remove the comment from the line
      `\brisqueagent\version\scripts\brisqueagent.bat`

```
# start the debugger ...
"debugger /a \PrintConsole\log\debug.log" /unique debugger /noconsole /min /restartdelay 10
# ... and wait for it to start up before starting the other processes
"debugger /w" /sync


############### start Print Console ######################

# the following line should be uncommented to start the spool folder (hot folder) input
"spoolers /h" /unique /noconsole /min /exit 0 /restartdelay 10

# the following lines should be uncommented to start the simulator
#startsim.bat /unique "Simulator" /newconsole /min /title "Simulator" /nowatch

# the following lines should be uncommented to start the printconsole
printconsole /unique /newconsole /exit 0 /master /quit /restartdelay 10

# the following lines should be uncommented to start the tiff downloader
#"tiffdownloader /sws1048576 /tib7 /testscsi /testlzw /auxthreads4 /regver2.0" /unique /noco

# the following lines should be uncommented to start the sample RIP
#samplrip /unique /noconsole /min /exit 0 /restartdelay 10
\brisqueagent\version\script\brisqueagent.bat
```

5. From the **File** menu, select **Save** to save the modification.
6. Close the **begin.inf** file.
7. To verify the installation, see *Software Verification on the Workstation* on page 14.

A.3 Troubleshooting Configuration and Expose

.

When Configuration Fails with Message	Perform these actions
Connecting to device	1. Verify the correct Print Console IP Address. 2. Verify a good Ethernet connection between the Brisque and the Trendsetter (ping the Print Console IP Address). See *Checking the Workstation IP Address* on page 61.
Get data from device	➢ Make sure the Print Console and BrisqueAgent are running. See *Checking if BrisqueAgent is Working in Background* on page 13.

A.3.1 Problem 1:

While saving the configuration, error messages, such as 5408 or 5412, may appear.

Or,

After saving the configuration, the following may be missing:

- Plate Sets in the **Device View** tab **Plate Set** list (for plates)
- Media Sizes in the **Device View** tab **Media Size** list (for proofs).

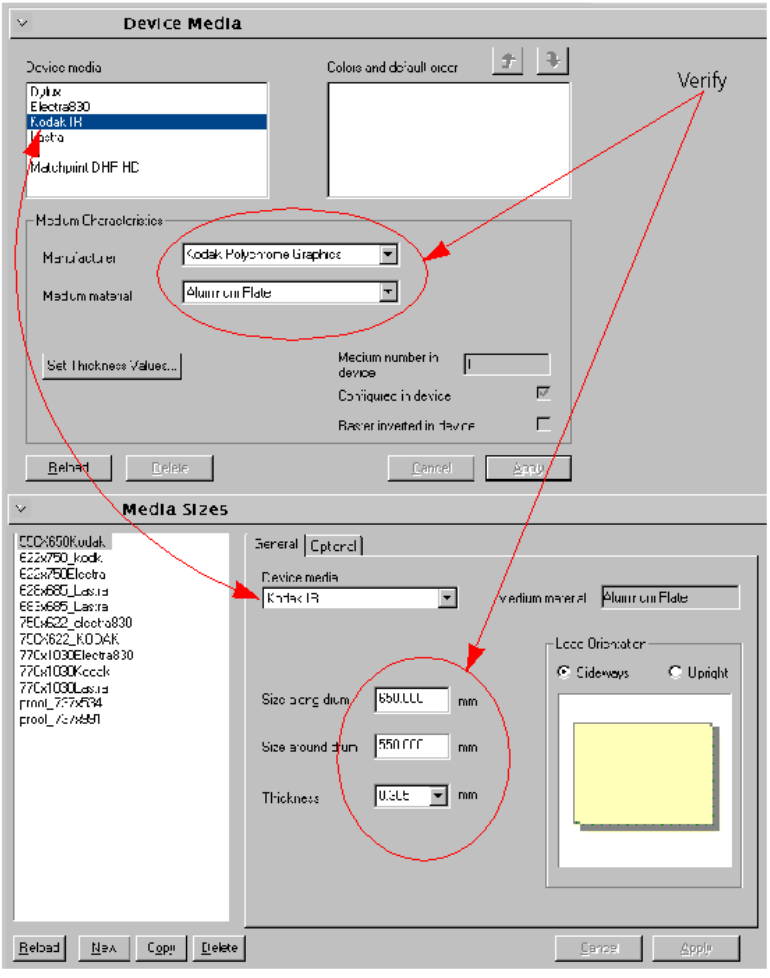
Cause:

The Print Console Media Size configuration may be the cause.
When Device Media or Media Sizes are defined in the Print Console (information which is mirrored in the Brisque), information vital to the definitions must be entered. If not, the Brisque ignores specific Plate Sets or Media Sizes and excludes them from the lists on the Brisque configuration View (Plate Set or Media Size lists on the **Media** tab).

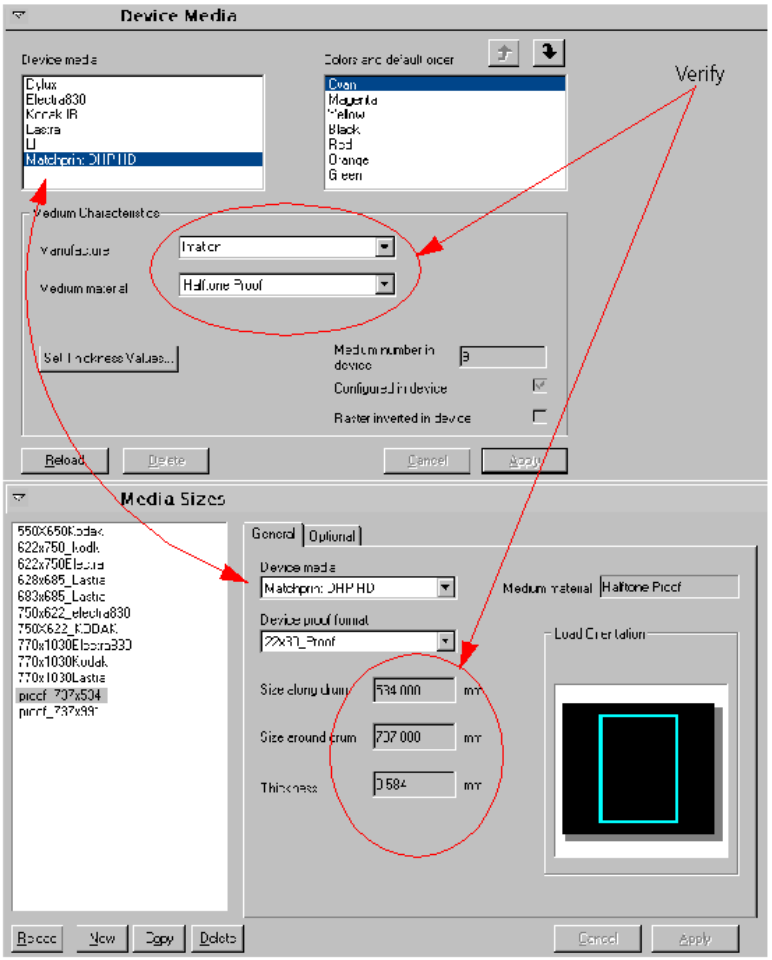
Solution:

When configuring the plate or proof parameters on the Print Console, make sure all the information is selected. do not leave any box without a value or with value **Other.**

For plates:



For proofs:


Device Media
Device media
Colors are default order
Cyan
Black
Red
Green
Verify
Medium Characteristics
Halftone Proof
Set Thickness Values...
Medium number in device
Configured in device
Raster inverted in device
Reload
Delete
Cancel
Apply
Media Sizes
General
Optional
Device media
Matchprint DHP HD
Medium material
Halftone Proof
Device proof format
Load Orientation
Size along drum
Size around drum
Thickness
mm
New
Copy
Delete
Cancel
Apply

A.3.2 Problem 2:

The Brisque sends a job to expose, the plate is loaded on the drum, and the Print Console displays the following message: “Waiting for SCSI data.”

Cause:

The Print Console version may not support the TSP cable connection.

Solution:

Verify that the Print Console version is 3.4.06 or later.

A.3.3 Problem 3:

The Brisque sends a job to expose, the plate is loaded on the drum, and the Print Console displays the following message: “Data channel not detected.”

Cause:

A possible problem with the TSP cable or the TSP cable connection between the Brisque and the Trendsetter.

Solution:

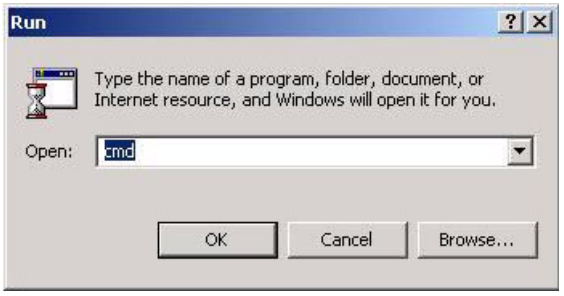
Do the following:

- Verify the TSP cable connection, as described in section A-6, Connecting the TSP Cable to the Trendsetter.
- According to your platform type, verify the hardware installation on your platform as described in Chapter 1, Installation (sections 1.3.1 through 1.3.4, steps 10 and 11).

A.4 Checking the Workstation IP Address

To check the workstation IP address:

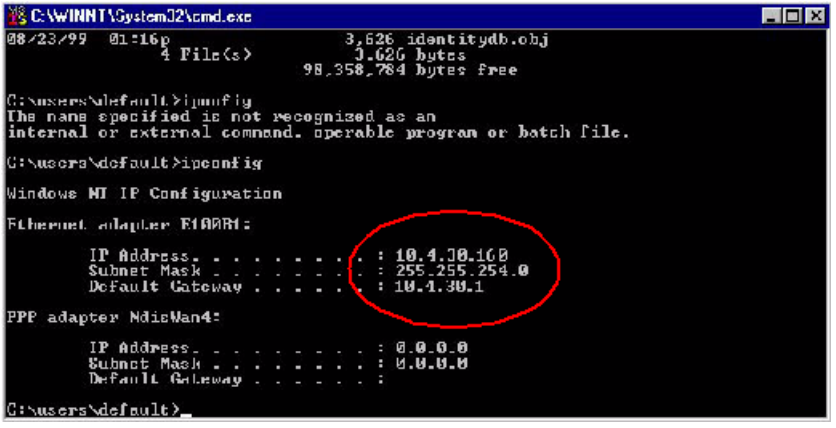
1. From Windows Start menu, select **Run**. The Run window appears.



2. In the **Open** box, type `cmd` and click **OK**.

   The DOS window appears.

3. At the DOS prompt type `ipconfig`. The IP address is displayed.



4. At the DOS prompt, type `exit`, to quit.

A.5 Displaying File Extension

To show file names with extension:

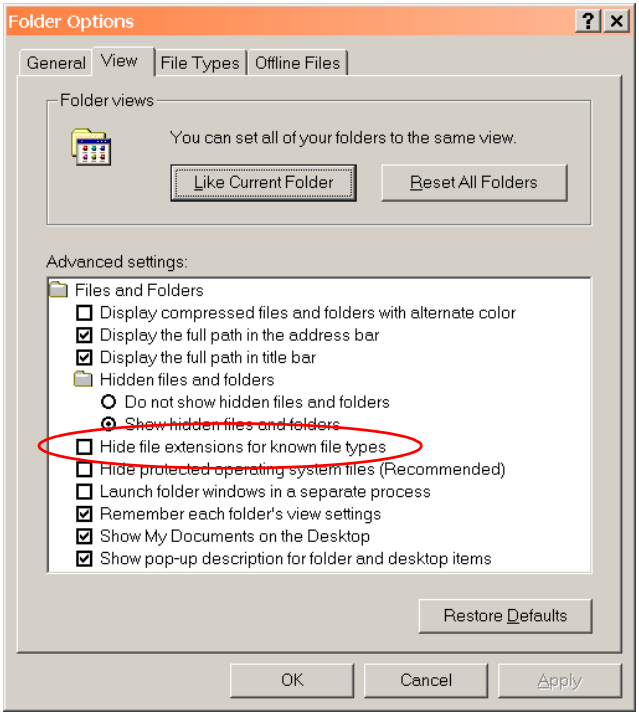
For Window NT platform -

1. From any folder on the desktop, select **Options** from the **View** menu. The Folder options appear.
2. Select the View tab. The folders view window appears.
3. In the View tab select **Hide or Display file extension of all known file types** and click **Apply** or **OK**. The file extensions appear at the end of file names.

For Window 2000 platform -

1. From any folder on the desktop, select **Folder Options** from the **Tools** menu. The Folder options appear.
2. Select the View tab. The folders view window appears.

3. In the View tab, clear **Hide file extension of known file types** from the Advanced setting section and click **Apply** or **OK**.

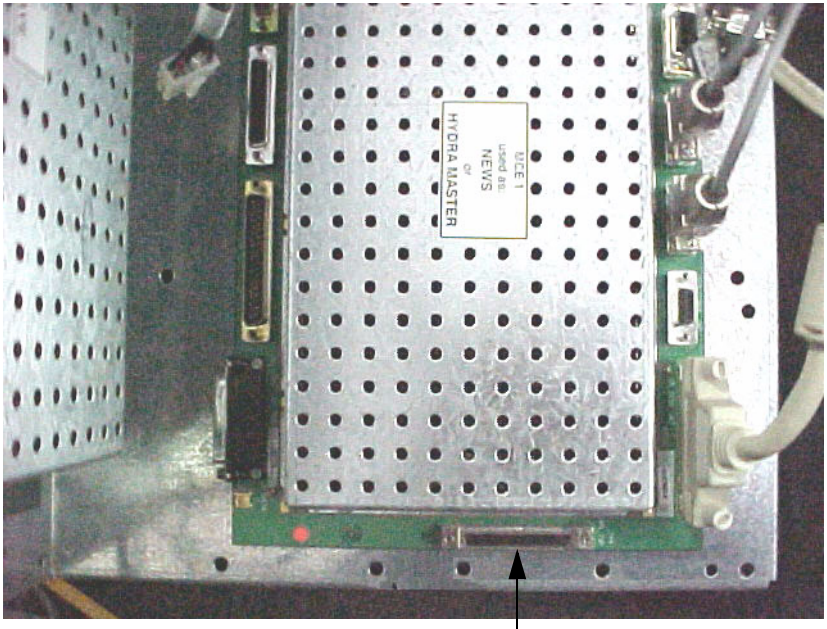


The file extensions appear at the end of file names.

A.6 Connecting the TSP Cable to the Trendsetter

To connect the TSP cable to the Trendsetter:

1. Connect the end of the 68-pin TSP cable (199D20022) to the TSP J44 connector in the Trendsetter's electronic box.
   The following image shows the location of the TSP J44 connector.



Note: To access the TSP J44 connector in the electronic box, on the upper left-hand side of the Trendsetter, push the outer metal cover to open it and then using the appropriate screwdriver, remove the inner metal cover plate.