Prinergy DotShop Plug-In Help

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About Prinergy Dotshop

Prinergy Dotshop is an Adobe Acrobat plug-in that lets you select and edit halftone screening in Portable Document Format (PDF) files.

Prinergy Dotshop has access to licensed screen instances on your Prinergy system that you then apply to objects in a PDF file. A screen instance consists of a specific screen system, dot shape, line ruling, dot size, angle set, and angle orientation.

You customize screen instances for your printing environment using separate DotShop Composer software installed on your Prinergy server. These customized screen instances are saved in a file of screen instances that are automatically made available to Prinergy Dotshop.

Use Prinergy Dotshop screen instances to edit halftone screening in a PDF file for:

- Objects on a page or in artwork
- Groups of objects on a page or in artwork
- Entire pages or artwork

Screening Workflows

Batch Screening

A typical batch screening workflow includes the following steps:

1. Refine a file in Prinergy.
2. From Prinergy, output to proof, plate, or film; setting screening and a calibration curve if needed. The screening mode in the output process templates default to **Override All Screening**—that is, the screening that is specified in the process template is applied to the output file.

Prinergy Dotshop Screening

A typical Prinergy Dotshop screening workflow may include the following steps:

1. Create or edit a series of screen instances using DotShop Composer, choosing from the following check box options for each screen instance:
   - **Allow Plug-in to change CMYK screen angles** (as well as spot colors)
   - **Allow Plug-in to change calibration curve**
2. Refine a file in Prinergy with or without trapping.
3. Apply screens to selected objects, or to the entire page, using the Prinergy Dotshop plug-in.
4. Add or adjust traps if needed.
5. Output in Prinergy to proof, plate, or film, setting screening and calibration if needed.

You can choose one of the following screening modes on output:

- **Override All Screening**—use process template screening
- **Keep DotShop Settings—**use Prinergy Dotshop screening, and then use process template screening
- **Use Document's Screening, if present—**use Prinergy Dotshop screening, then use "unknown" screening defined in the file by the creation software, then use process template screening.

Checking Client Machine Requirements

You can use the Prinergy DotShop plug-in on client computers that include the following minimum requirements.

Component	Minimum Requirements
Operating System	• Microsoft Windows 2000 with service pack as qualified by Creo Or: • Mac OS 9.2 or later with 100 MB of memory assigned to Acrobat. +The actual memory requirement depends on the complexity and size of the processed file and other Acrobat plug-ins. Or: • Mac OS X 10.2.3 or later **Note:** A Macintosh client must have both a computer name and a user name assigned.
Software	Acrobat 5.0, 6.0, or 7.0 If you send the refined and trapped files to another site for output, that site must have installed at least Prinergy 2.0.

Component	Minimum Requirements
Hardware and Connections	256 MB RAM; 300 MHz PII or G3 processor 100 MB free disk space for temporary files; mouse or trackball TCP/IP network connection to the Prinergy primary server

Installing and Updating Prinergy DotShop

Installing the Prinergy Dotshop plug-in

The Prinergy DotShop plug-in for Adobe Acrobat is available when licensed. The plug-in is installed in a special folder when Adobe Acrobat and Prinergy Workshop are installed on Prinergy servers or on Windows and Macintosh client machines. See Setting up Your Workspace and Preferences for more about getting the Prinergy Dotshop plug-in ready to use.

Updating the Prinergy Dotshop Plug-in

Prinergy DotShop plug-in updates are included in Prinergy Workshop software updates.

Getting Technical Help

Finding Help Information

To open Prinergy Dotshop help, from the Acrobat main menu, select **Help > Plug-In Help > Prinergy DotShop**.

Viewing the About Dialog Box

To view which version of the plug-in is installed in the Acrobat plug-ins folder, from the Acrobat main menu, select **Help > About Third-Party Plug-Ins > Prinergy DotShop**.

Calling Customer Support

For assistance, call a service representative at 1-877-788-2727 (toll free).

Preparing a File for Screening

You will get better on-press results when you set up a PDF file correctly for a screening workflow:

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Preparing a File for DotShop Screening on page 11

Handling Files with Creation Software Screening on page 12

Handling Files Containing Heidelberg Traps on page 12

Checking File Names

Since the Prinergy server is Windows-based and Prinergy clients may run either Macintosh or Windows operating systems, PDF files must be named to conform to both Mac OS and Windows standards.

File Names for Mac OS and Windows

When using Prinergy DotShop on a Macintosh or Windows computer, a valid file name:

- Is less than 32 characters long
- Does not contain the colon character (:)
- Does not contain control characters (that is, ASCII characters from 1 through 31)
- Does not contain a period (.) as the first character
- Does not contain any of the characters: < > ” | * : / \
- Is not a device name (such as: aux, con, lpt, com, prn)

Preparing a File for DotShop Screening

Before checking and changing screens on a PDF page, you must refine, color match, and (optionally) trap the PDF file in Prinergy.

1. Use a composite PostScript (PS) or PDF for the input file, since color matching makes changes that can only be done to a composite file.
2. Embed any fonts used in the input file, either while creating the PostScript output file in the source application, or in Prinergy during the refine process.
3. Select **CEPS Conversion** in the refine process template. This allows the components of CT/LW files to be converted into a format that DotShop screening can be applied to.
4. Set up the Color Matcher JTP in the refine process template to convert RGB colors to CMYK colors. Depending on your input file or design requirements, you may select:
   - **Map All Spot Colors to Process** (in the Spot Color Handling section).
   - **Set Colors to Knockout** (in the ColorConvert section). Do not set colors to knockout when you will need double hits of spot colors.
   - **Set Black to Overprint** (in the ColorConvert section).

Once the PDF file is successfully set up and refined, you can check, change, and/or add screens in the refined PDF pages using the Prinergy DotShop plug-in for Acrobat.

Handling Files with Creation Software Screening

Any screens made in the creation software will be identified as **Unknown**. Your screening choices when using the Prinergy Dotshop plug-in include the following:

- Select and apply new screens
- Delete the Unknown screens
- Leave the Unknown screens as they are

Handling Files Containing Heidelberg Traps

If a file contains traps created with the Trap JTP or the PDF process templateTrap Editor plug-in for Acrobat, your screening choices when using the Prinergy Dotshop plug-in include the following:

- Close the file without attempting to apply DotShop screening.
- Apply full-page screening only.

Setting up Your Workspace and Preferences

Here are a few basic procedures for setting up your Prinergy DotShop screening workspace:

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Changing the License Server for Prinergy Dotshop on page 20

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Accessing the Screen Instance File

To use the Prinergy DotShop plug-in effectively, you need access to the licensed screen systems and calibration curves on your Prinergy system. These are available in a screen instance file (SIF) that is located on the server and automatically accessed by the Prinergy Dotshop plug-in on the client.

You choose from the screen sets and calibration curves available in the SIF file to apply screens to objects and pages in your PDF files.

What Do Screen Instances Contain?

The screen instances in a SIF file include the following information:

- Screen name
- (Optional) Description
- Screen system
- Screen angles (including default angle for spot colors)
- Angle orientation
- Dot shape
- Device resolution
- Screen (line) ruling
- Eligible calibration curves
- Minimum dot size
- Harmony medium

- Maxtone dot width
- HyperFlex

Each screen instance will also specify whether the following options are enabled:

- **Allow Plug-in to change CMYK screen angles** (as well as spot color angles)
- **Allow Plug-in to Change Calibration Curve**

How is the SIF File Created?

When you first open DotShop Composer on your server, it reads the screen systems and calibration curves licensed for your system and creates a SIF file with them. You or your system administrator can then edit or replace this default DotShop SIF file using DotShop Composer. You can also create a new SIF file.

Access DotShop Composer on the Prinergy server by selecting **Start > Programs > Prinergy > DotShop Composer**. Ask your system administrator for guidance on using DotShop Composer.

Where is the SIF File on the Server?

The DotShop Composer SIF file is saved in the **%ARAXIHOME%\CreoAraxi\bin** folder. It must be named **DotShop.sif**.

How Do I Access the SIF file from the Client?

When you open the Prinergy Dotshop plug-in in the client, it automatically accesses the SIF file that is on the server and makes screen sets available in DotShop's Properties Editor.

Licensing and Starting Prinergy DotShop

About Prinergy Dotshop Licensing

Being able to use Prinergy DotShop for your screening session will depend on the number of Prinergy Dotshop licenses currently in use at your site. The licenses are managed by the Prinergy server for network-connected clients.

For example, if your site is licensed for operating several instances of the Prinergy Dotshop plug-in and you try to open Prinergy Dotshop from your client when all Prinergy Dotshop licenses at your site are being used, the server will send you a report that lists the currently licensed users and number of licenses on the server. You can try to access the Prinergy Dotshop plug-in again later.

Starting Prinergy Dotshop

The Prinergy DotShop workspace is a series of windows and dialog boxes in which you can view objects and their screens in a PDF file.

1. Open a composite PDF file in Adobe Acrobat. The Acrobat window displays the contents of the PDF file.
2. On the Acrobat **Creo Tools** toolbar, select the **Prinergy DotShop** button .

   Or:

   (Acrobat 5 and 6) Select **Tools > Creo Tools > Prinergy DotShop** from the Acrobat main menu.

   (Acrobat 7) Select **Advanced > Creo Tools > Prinergy DotShop** from the Acrobat main menu.

The *first* time you open Prinergy DotShop, the plug-in checks the primary servers on your network for a server with the screening license(s) for Prinergy Dotshop. Once Prinergy DotShop finds a primary server with a screening license available for use, the server name is recorded in the DotShop Preferences dialog box.

The following windows open:

- **Prinergy DotShop window**—shows the rendered contents of the PDF file. Use the Prinergy DotShop window to view the PDF file, select objects, delete all or selected screens, or to undo and redo actions.
- **Acrobat window**—shows the Prinergy Dotshop's viewing rectangle superimposed over the contents of the PDF file, outlining the current view that is shown in the Prinergy DotShop window.
- **Properties Editor dialog box**—shows screen sets, calibration curves, and colorant screen angles. Use the Properties Editor dialog box to change and apply screen instances in the PDF file, and to map colorants to screening angles.

  The Screen Instance File (.sif) populates the Properties Editor dialog box with screen instances for you to choose from. Typically, your system administrator will prepare this file for you. See Accessing the Screen Instance File.
- **Separations window**—The Separations window displays swatches of the colorants in the opened PDF file for you to manipulate to better view the separations in your page, if needed. See Checking Color Separations.

Tip: To speed up page processing, keep the Separations window closed until you need it.

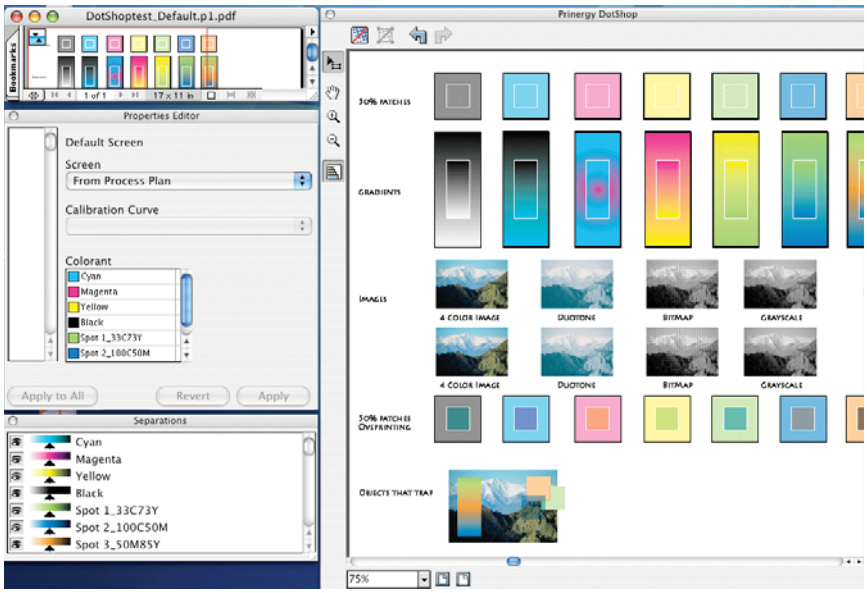


Figure 1: Opened Prinergy Dotshop plug-in windows

Note: You can drag and resize windows in Acrobat. Make sure you are using the standard right-handed button configuration on your mouse when resizing windows. Or, see Tiling Prinergy Dotshop Windows.

Prinergy Dotshop Viewing Toolbar

The viewing toolbar is vertical and includes the following buttons:



Select object

Pan

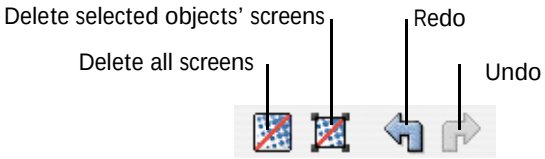
Zoom in

Zoom out

Prinergy Separation Viewer

Prinergy Dotshop Action Toolbar

The action toolbar includes the following buttons:



Changing the License Server for Prinergy Dotshop

If you have more than one primary server with a screening license, you can chose the server that will license your Prinergy Dotshop plug-in, in the Prinergy Dotshop Preferences dialog box.

To change the licensed server:

1. (Mac OS) From the Acrobat main menu, select **Acrobat > Preferences > Prinergy DotShop.** (Windows) From the Acrobat main menu, select **Edit > Preferences > Prinergy DotShop**.
2. Do one of the following:

   If you have more than one primary server running the floating license manager on your network, their names will be in the **License Server** list. Select a server name and click **OK**.

   Or:

   Type a server name or an IP address for a licensed server in the **License Server** box. Click **OK**.
3. Restart the Prinergy Dotshop plug-in for the new name to become the default license server.

Closing Prinergy DotShop

Close Prinergy DotShop by clicking the close button on the Prinergy DotShop title bar or on the Properties Editor dialog box.

Tiling Prinergy Dotshop Windows

While in a Prinergy Dotshop session, you can reset the main Prinergy Dotshop windows to their default sizes and positions on your computer screen.

To return to default tiling for Prinergy Dotshop windows:

- From the Acrobat main menu, select **Window > Tile > Prinergy DotShop**.

The Acrobat window, the Properties Editor dialog box, and the Separations window are resized and stacked one above the other on the left side of the screen. The Prinergy DotShop window is moved to the right side of the screen.

Changing Magnification (Zooming)

You can change the magnification of the page shown in the Prinergy DotShop window. This also changes the relationship between the viewing rectangle and the area it covers on the PDF page in the Acrobat window. The zoom tool on the Acrobat toolbar affects only the Acrobat window.

- Click the **Zoom in** button  or the **Zoom out** button  on the vertical toolbar, and then click inside the Prinergy DotShop window.
- Select a magnification value in the list on the Prinergy DotShop window's status bar. You can set the zoom view to between 12 percent and 6400 percent magnification.
- Highlight the selected value in the list and enter a number from 12 to 6400.

Keyboard Shortcuts for Zooming

Zoom in: (Mac OS) press SPACE+CMD, (Windows) press SPACE+CTRL

Zoom out: (Mac OS) press SPACE+CMD+OPTION, (Windows) press SPACE+CTRL+ALT

Setting Fit Width and Fit Page Views

You can fit the image of a PDF page in the Prinergy DotShop window according to the page's width or size.

On the Prinergy DotShop window's status toolbar:

- Click the **Fit Width** button to resize the view of the PDF page according to its width.
- Click the **Fit Page** button to view the entire PDF page in the Prinergy DotShop window.

The **Fit Page** and **Fit Width** functions are also available on the Prinergy DotShop window's magnification menu.

Viewing Different Parts of a Page (Panning)

The Prinergy DotShop window's viewing rectangle is superimposed over the contents of the PDF file and outlines the current view that is shown in the Prinergy DotShop window. Do one of the following actions to move the viewing rectangle:

- Use the mouse to grab the viewing rectangle in the Acrobat window and move it to another place on the displayed page. The new view shows in the Prinergy DotShop window.
- Click the hand tool  in the Prinergy DotShop toolbar, and then click in the Prinergy DotShop window and hold the mouse button to move the focus of the Trap window to another part of the opened page.

The viewing rectangle in the Acrobat window moves in parallel so you know where the Prinergy DotShop view is focused in the displayed page.

Tip: If the entire page is visible in the Acrobat window, increase the magnification in the Prinergy DotShop window. Then you can move the viewer rectangle around in the Acrobat window to check page contents and traps more closely in the Prinergy DotShop window.

Keyboard Shortcut for Panning

Hold down the space bar, click and drag the (left) mouse button. The hand tool appears and you can use it to move the image. The viewing rectangle in the Acrobat window moves in parallel.

Setting Selection Colors

You can choose the colors that selected or screened objects will show in the Prinergy Dotshop window. The Preferences menu is available when the Prinergy Dotshop plug-in is closed as well as opened.

To choose selection highlight colors:

1. (Mac OS) From the Acrobat main menu, select **Acrobat > Preferences > Prinergy DotShop.** (Windows) From the Acrobat main menu, select **Edit > Preferences > Prinergy DotShop**.
2. Click the color swatch for one of the following:
   - Process Plan/Default Screen
   - DotShop Screens
   - Unknown Screens
3. In the color selection chart, select a basic or custom color swatch.
4. Click **OK** to close the color selection chart.
5. Repeat steps 2 to 4 for each preference.

   To return the highlight items to their Prinergy Dotshop-defined colors, click **Defaults**.
6. Click **OK**.

When you select objects in Prinergy Dotshop, the selected objects will appear in the colors you chose.

Showing or Hiding Warnings

Typically, you will receive warning messages about any limitations or illegal actions during a trapping session. You can suppress these messages from the dialog box that appears so that no messages will show again during that session.

To check for warning messages:

1. (Mac OS) From the Acrobat main menu, select **Acrobat > Preferences > Prinergy DotShop**. (Windows) From the Acrobat main menu, select **Edit > Preferences > Prinergy DotShop**.
2. Select the **Enable all warning dialogs** check box to view suppressed warnings that occurred during your screening session. If no warnings have been suppressed, the check box is not available.
3. Click **OK**.

If warnings have been suppressed and you want to review them, you can re-enable them by selecting the **Enable all warning dialogs** check box. If no warnings have been suppressed, the check box is not available.

Selecting Objects

All of the selection methods can be used together to build a selection list in the Properties Editor:

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Selecting with a Mouse Click on page 29

Selecting by Marquee on page 31

Selecting by Attribute and Context on page 33

Removing a Selection from the List on page 37

Finding Selected Items Easily on page 38

Checking Color Separations on page 39

For each selection method, clicking in the Prinergy DotShop window selects the closest item. You can also add different types of objects to the same selection list. The list of selected items appears in the Properties Editor window, arranged by type and color.

Check the properties of a selected object in the Properties Editor dialog box.

Selectable Object Types

When an object or its type, color, screen, or calibration curve is selected, an object type icon appears in the Properties Editor window. These icons can then be selected and screening changes applied to the object.

Object Types and Icons

The following object types are recognized by Prinergy DotShop:

- Path object 
- Text object 
- Image 
- Gradient 

The following objects types are also recognized:

- OPI Bypass image 
- PS Bypass image 
- CEPS data 

Note: Copydot images are not screened by Prinergy Dotshop.

Selecting with a Mouse Click

The list of selected items appears in the Properties Editor window arranged by type and color.

To select and deselect objects using the mouse:

1. Click the **Select object** button  in the Prinergy DotShop's Viewing (vertical) toolbar.
2. *To select the first item*, click an object in the Prinergy DotShop window.

   A selected item will be highlighted with the color you specified in Setting Selection Colors. In addition, an object is outlined and overlaid with a pattern of bright dots.
3. *To add to the selection group*, hold down the SHIFT key and click another item.
4. *To select objects below the visible object*, click on an object, (Mac OS) press the OPTION key (Windows) press the CTRL key and click the object again. The object below is selected. Continue through the layers until the object you want is selected.
5. *To remove a selected item from a selection list*, hold down the SHIFT key and click the item.
6. Repeat steps 2, 4, 5, and 6 until you are satisfied with your selection list.

Keyboard Shortcuts for Selecting with a Mouse Click

These shortcuts temporarily override the current mode.

You can also use these shortcuts with the SHIFT key to toggle between adding and removing items.

To add or remove a selection from a selection list:

Mac OS and Windows: press SHIFT + click

Selecting by Marquee

Marquee selection allows you to more easily select several items at a time. The list of selected items appears in the Properties Editor window arranged by type and color.

To select and deselect objects using a marquee:

1. Click the **Select object** button  in the Prinergy DotShop's vertical toolbar.
2. *To select several items at a time*, hold the mouse button and drag a selection rectangle (a marquee) completely around the items you want.

   An object fully inside the marquee will be selected.

   A selected item shows highlighted with the color you specified in Setting Selection Colors. An object is also outlined and overlaid with a pattern of bright dots.
3. *To add selections to the list*, click SHIFT and draw a marquee around the items to be added.
4. *To remove selected objects from a selection list at any time*, click SHIFT and draw a marquee completely around the objects you want to drop from the list. Any selected objects inside the marquee will be dropped from the list.
5. Repeat steps 2, 4, and 5 until you are satisfied with your selection list.

Tip: You can select *all* objects by drawing a marquee around the entire page.

Keyboard Shortcuts for Selecting by Marquee

These shortcuts temporarily overide the current mode.

You can also use these shortcuts with the SHIFT key to switch between adding and removing items.

To switch to object selection mode from pan or zoom:

Mac OS: Press ⌘ (CMD) + marquee

Windows: Press CTRL + marquee

To add or remove a selection from a selection list:

Mac OS and Windows: Press SHIFT + click

Selecting by Attribute and Context

You can select objects according to their attributes (that is, properties) and their context within the page. The list of selected items appears in the Properties Editor window arranged by type and color.

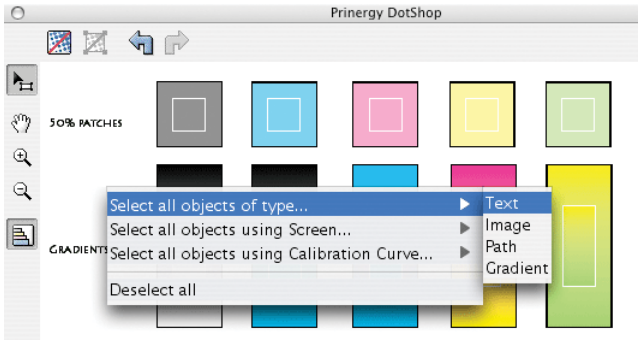
With the special selection menu, you can:

- Select all objects with the same type, screen set, or calibration curve on the page. That is, select by “context”.
- Select an object, or all objects with the same type, color, or screen. That is, “select by attribute”.

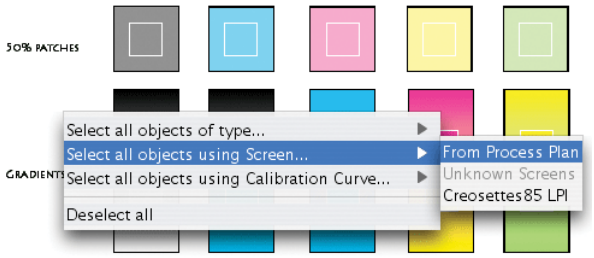
In effect, you can group these selected objects and make screening changes to the group.

Selecting All Objects with the Same Properties

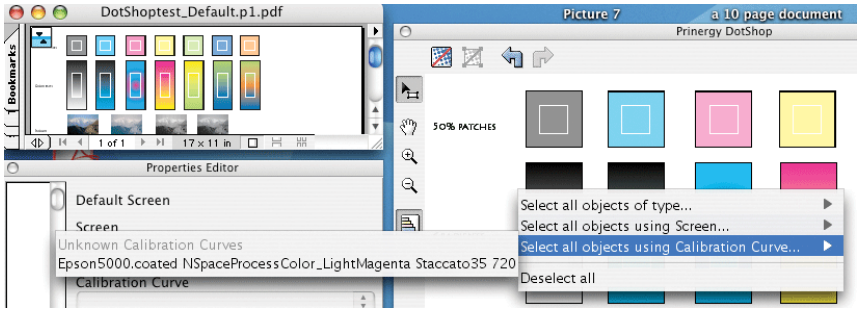
1. (Mac OS) Press the CTRL key, then click your mouse in the Prinergy DotShop window. (Windows) Right-click in the Prinergy DotShop window.
2. In the selection menu, click one of the following menu items:
   - **Select all objects of type...**



   - **Select all objects using Screen...**



- **Select all objects using Calibration Curve...**



To clear the selection list and return the page to the default screening, click **Deselect all**.

A selected item shows highlighted with the color you specified in Setting Selection Colors.

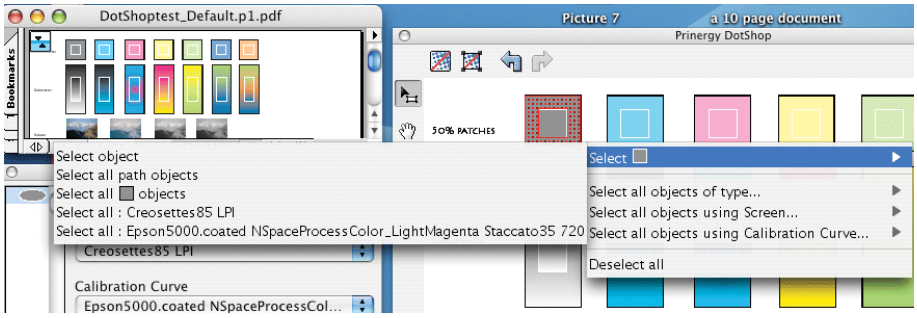
3. To add more items, (Mac OS) press CTRL + SHIFT + click (Windows) press SHIFT + right-click to bring up the selection menu. Select a menu item.

   This adds to the already-accumulated selection list in the Properties Editor dialog box.

4. To remove a selected item from the selection list using the selection menu, bring up the menu again and SHIFT + click on a menu item to clear that selection.

Selecting One or All Objects with the Same Properties

1. (Mac OS) Hold the CTRL key, then click over an object in the Prinergy DotShop window. (Windows) Right-click over an object in the Prinergy DotShop window.



2. In the selection menu, click one of the following menu items:
   - **Select object**
   - **Select all objects of the same type**
   - **Select all objects of the same color**
   - **Select objects with the same screening**
   - **Select objects with the same calibration curve**

   Or, choose from:
   - **Select all objects of type**
   - **Select all objects using Screen**

- **Select all objects using Calibration Curve**

To clear the selection list and return the page to the default screening, click **Deselect all**.

A selected item shows highlighted with the color you specified in Setting Selection Colors.

3. To add more items, (Mac OS) press CTRL + SHIFT + click (Windows) press SHIFT + right-click to bring up the selection menu. Select a menu item.

   This adds to the already-accumulated selection list in the Properties Editor dialog box.

4. To remove a selected item from the selection list using the selection menu, bring up the menu again and SHIFT + click on a menu item to clear that selection from the Properties Editor list.

Removing a Selection from the List

The items you select are listed in the Properties Viewer or Properties Editor. To remove them from the list, do one of the following actions:

- Hold down the SHIFT key and click the selected item
- Hold down the SHIFT key and marquee the selected item
- Hold down the SHIFT key and select the item again using the contextual selection menu

Finding Selected Items Easily

Prinergy Dotshop's flashing highlight makes selected items easier to see in the Prinergy Dotshop window when many items are selected.

To find a selected object or group of objects in the Prinergy Dotshop window:

- (Mac OS) Click and hold the items' icon in the Properties Editor.
  (Windows) Click and hold the left mouse button on the items' icon in the Properties Editor.

The selected item or items flash with the highlight color you specified in Setting Selection Colors.

Tip: Using this flashing highlight feature is also helpful for highlighting a group of items with the same characteristics to check which of the selected items the **Apply** button in the Properties Editor will affect.

Checking Color Separations

The Separations window displays swatches of any CMYK and spot colors present in the opened PDF file. You can also manipulate these colors to better view the separations in your page, if needed.

With the Prinergy Separation Viewer opened, any overprints in the PDF file are rendered in the Prinergy Dotshop window which is helpful when checking the look and properties of objects.

Tip: Prinergy Dotshop processes faster when the Prinergy Separation Viewer is closed.

To open the Prinergy Separation Viewer:

1. Click the **Prinergy Separation Viewer** button  in the Prinergy Dotshop Viewing (vertical) toolbar.

   The Separations window shows the colors present in the file (CMYK and spot colors) and their screen angles.

2. You can view "swatches only" by dragging the lower-right corner in to make the dialog box smaller.
3. In the Separations window, use the sliders for each swatch to lighten or darken colors in the Prinergy Dotshop window. For example, lighten the color on a darker colored object to see other colors that may be underneath that colorant.

To remove a color from the Prinergy Dotshop view of the page, in the Separations window, click the eye icon for that color. Click the eye icon again to restore the color.

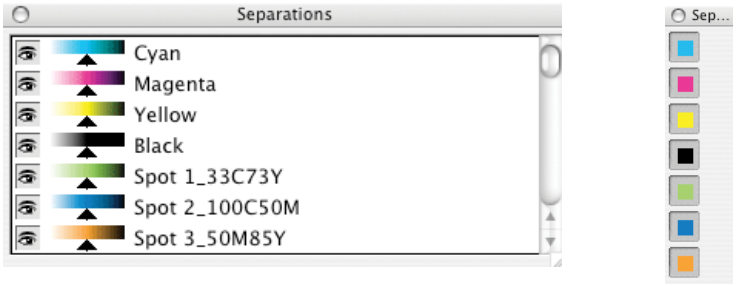


Figure 2: Separations window and Swatches Only view

Note: Lightening, darkening, and turning off a color using the Prinergy Separation Viewer only affects the color in the Separations view, it does not change the color that is output.

Applying Screens to Objects and Pages

You can use the Properties Editor to apply screens to objects:

Changing Screening Properties on page 42
Screening an Object or Group of Objects on page 44
Applying a Calibration Curve on page 47
Adjusting Colorant Screen Angles on page 49
Screening All Selected Objects on page 51
Screening an Entire Page on page 52
Deleting Selected Screens on page 53
Deleting All Screens on page 53
Undoing and Redoing Actions on page 54

Changing Screening Properties

After you select objects that you want to apply screening to, you must apply your choice of screen instance to the selection. You can use the Prinergy Dotshop Properties Editor to change a selected object's screening properties, depending on the options checked in the SIF file for a particular screen instance.

Use the Properties Editor to:

- Change screening for an object, a group of objects, or a page
- Change the calibration curve associated with the selected screen
- Change screening colorant angles
- Apply screening changes to all of the objects and groups of objects listed in the Properties Editor

To erase any changes you just entered in the Properties Editor, before clicking **Apply**, click the **Revert** button.

See Figure 3.

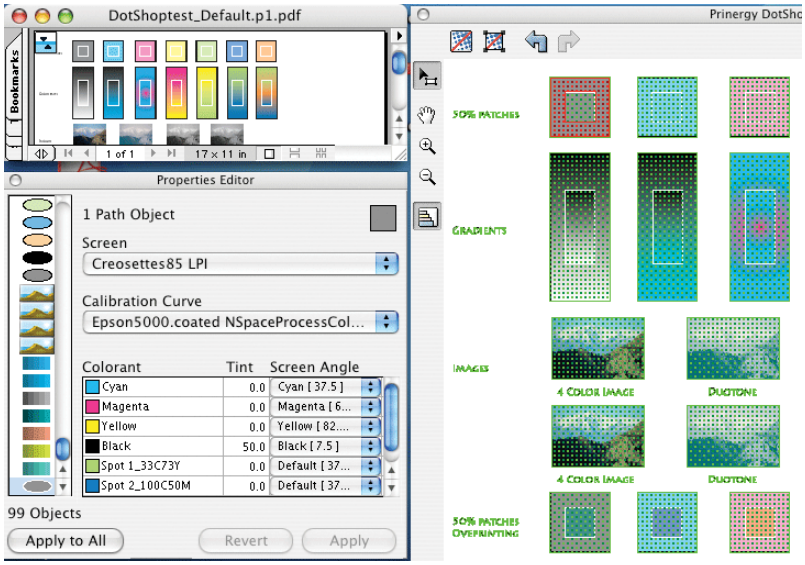


Figure 3: Path Object selected in Properties Editor

Screening an Object or Group of Objects

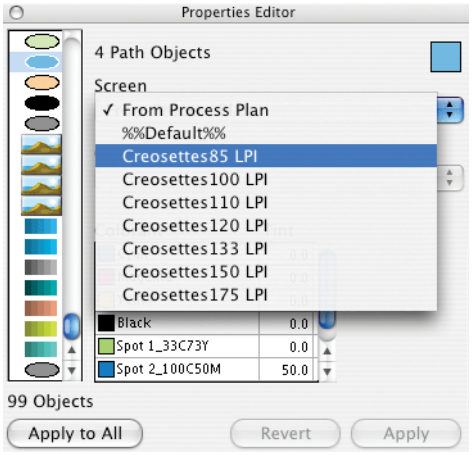
You can change the screening for a selected object or for a group of selected objects.

To apply screening to a selected object:

1. In the Prinergy Dotshop window, select the object (or objects) that you want to apply screening to.

   For more information on selecting objects, see Selecting Objects.

2. In the Properties Editor, from the **Screen** list, select the screen instance you want to apply.



If you select **From Process Plan** as the screen instance, no screening will be applied by Prinergy Dotshop. Screen settings in the output process template (plan) will be used instead.

3. (Optional) Specify a calibration curve. See Applying a Calibration Curve.
4. (Optional) Adjust the colorant screen angles. See Adjusting Colorant Screen Angles.
5. Click **Apply**.

Prinergy Dotshop applies the screen instance, calibration curve, and colorant angles shown in the Properties Editor to the selected object or objects. The outline of these objects will change from green to red (or the highlight colors you set in Prinergy Dotshop preferences), indicating the objects have Prinergy Dotshop screening applied.

Note: When applying a screen instance to an object with a spot color in it, Prinergy Dotshop automatically applies the default angle to the spot color if no other angle is selected.

Applying a Calibration Curve

When you select a screen instance in the Prinergy DotShop window, the calibration curve associated with that screen instance when it was created in DotShop Composer will show in the **Calibration Curve** list in the Properties Editor.

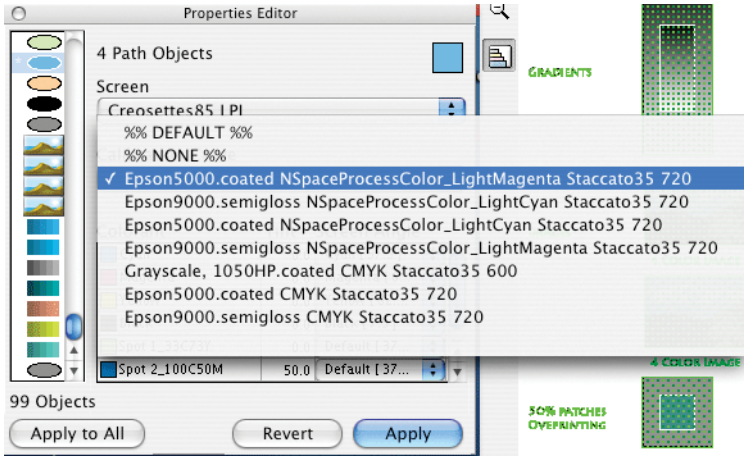
If **Allow Plug-in to Change Calibration Curve** was selected when the screen instance was created in DotShop Composer, you can choose to apply a different calibration curve from the **Calibration Curve** list. If not, the menu is unavailable.

To apply a different calibration curve to an object:

1. In the Prinergy DotShop window, select the object (or objects) that you want to apply screening to.

   For more information on selecting objects, see Selecting Objects.

2. In the Properties Editor, select the screen instance you want to apply from the **Screen** list.
3. Select the calibration curve you want to apply from the **Calibration Curve** list.



If you select **%%DEFAULT%%** as the calibration curve, no calibration will be applied by Prinergy Dotshop. The calibration curve specified in the output process template (plan) will be used instead.

If you select **%%NONE%%** as the calibration curve, no calibration will be applied by Prinergy Dotshop or by the output process template. The "linear" value specified in the PDF file will be used instead.

4. (Optional) Adjust the colorant screen angles. See Adjusting Colorant Screen Angles.
5. Click **Apply**.

Prinergy Dotshop applies the calibration curve shown in the Properties Editor to the selected object or objects.

Adjusting Colorant Screen Angles

Using the Properties Editor, you can manually change screen angles for an object's colorants. If **Allow Plug-in to change CMYK screen angles** was selected when a screen instance was created in DotShop Composer, you can change screen angles for its process colors as well as its spot colors. If not, you can only change screen angles for its spot colors.

To assign screen angles to colorants:

1. In the Prinergy Dotshop window, select the object (or objects) that you want to apply screening to.

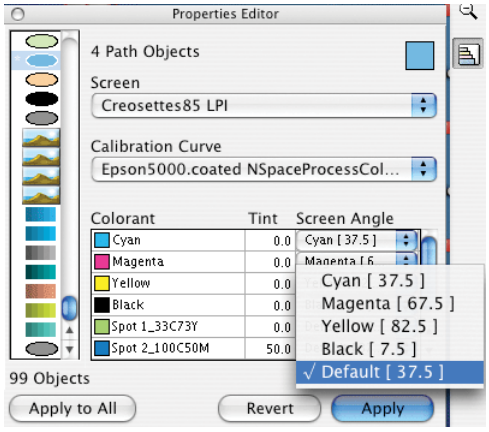
   For more information on selecting objects, see Selecting Objects.

2. In the Properties Editor, select the screen instance you want to apply from the **Screen** list.

3. (Optional) Select the calibration curve you want to apply from the **Calibration Curve** list.

   In the Properties Editor, the list of colorants is displayed, along with their tints and assigned screening angles.

4. Click a colorant's screen angle and select an angle to apply.



5. Click **Apply**.

Prinergy Dotshop applies the colorant angle shown in the Properties Editor to the selected colorant.

Screening All Selected Objects

You can apply a screen instance to all of the objects and groups of objects you have selected and that are listed in the Properties Editor.

To assign screening to all selected objects:

1. In the Prinergy Dotshop window, select the object (or objects) that you want to apply screening to.

   For more information on selecting objects, see Selecting Objects.

2. In the Properties Editor, select an object or group of objects.

   The object's screening properties show in the Properties Editor **Screen**, **Calibration Curve**, **Colorant**, and **Screen Angle** fields.

3. Choose the screen instance you want to apply from the **Screen** list.
4. (Optional) Select the calibration curve you want to apply from the **Calibration Curve** list.
5. (Optional) Click a colorant's screen angle and select an angle to apply.
6. Click **Apply to All**.

Prinergy Dotshop applies the screen instance, the calibration curve, and the colorant angles shown in the Properties Editor to all of the selected objects.

Screening an Entire Page

You can screen a page using the same screen set for all objects. This becomes the Default Screen.

To apply a screen instance to an entire page:

1. In the Prinergy Dotshop window, right-click to bring up the context selection menu.
2. Select **Deselect all** if any objects or groups are already selected.

   The Properties Editor shows the Default Screen for the page.
3. In the Properties Editor, select the screen instance you want to apply to the entire page from the **Screen** list.
4. (Optional) Select the calibration curve you want to apply from the **Calibration Curve** list.
5. (Optional) Click a colorant's screen angle and select an angle to apply.
6. Click **Apply**.

When you click **Apply**, the screen instance, calibration curve, and colorant angles shown in the Properties Editor are applied to the entire page as the new Default Screen *except to* those objects that already have another screen applied, including Prinergy Dotshop and unknown screens.

Tip: If the page has no items selected, you can click in the page, then select and Apply screening.

Deleting Selected Screens

You can remove a screen set from an object in a PDF file, whether the screening is from Prinergy Dotshop or from the creation software used to create the file, that is, unknown screening.

To remove screening from an object:

1. In the Prinergy Dotshop window, select the object (or objects) to remove screening from.
2. Click the **Delete selected objects' screens** button  in the Prinergy Dotshop action toolbar.

The selected screening is reset to the default screen for the page. The outline of the object or objects will change from red (or blue) to green (or the highlight colors you specified in Prinergy Dotshop preferences), indicating that the objects do not have screening applied.

Deleting All Screens

You can remove all Prinergy Dotshop and unknown screens from a page.

To remove screening from a page:

- Click the **Delete all screens** button  in the Prinergy Dotshop action toolbar.

All Prinergy Dotshop and unknown screens on the page are deleted and the default screening for the entire page is reset to **From process plan**.

Undoing and Redoing Actions

Use the **Undo** and **Redo** buttons in the Prinergy Dotshop action toolbar to step back through your session work or to restore a step or sequence of steps. This applies to work done with both the Properties Editor and the Prinergy Dotshop action toolbar.

To undo or redo actions in Prinergy Dotshop:

- From within a Prinergy DotShop session, click the Undo button  or the Redo button  up to 25 times.

Each step is labeled with the action you took during that step to help you go backward or forward to the point you choose.

Tip: If opened, the Prinergy Separation Viewer closes when you click **Undo** and **Redo**. This is to improve screen redrawing when multiple steps are being processed. If you need it, open the Prinergy Separation Viewer when you finish undoing or redoing steps in your session.

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