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Welcome to Prinergy DotShop

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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.

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 that is installed on your Prinergy server. These customized screen instances are saved in a file of screen instances that are automatically made available to DotShop.

Use 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. Output in Prinergy to proof, plate, or film, setting screening and a calibration curve, if needed. The screening mode in the output process plans defaults to **Override All Screening**, that is, the screening that is specified in the process plan is applied to the output file.

DotShop Screening

A typical DotShop screening workflow may include the following steps:

1. Create and/or edit a series of screen instances using DotShop Composer, choosing from the following checkbox 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 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 plan screening
   - **Keep DotShop Settings—**use DotShop screening then use process plan screening
   - **Use Document's Screening, if present**—use DotShop screening, then use "unknown" screening defined in the file by the creation software, then use process plan screening.

CheckingClient Machine Requirements

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

Operating systems

Microsoft Windows 2000 with service pack as qualified by Creo

Or:

Apple Macintosh OS 9.2 or later with 100 MB of memory assigned to Adobe Acrobat. The actual memory requirement depends on the complexity and size of the processed file and other Acrobat plug-ins.

Or:

Apple Macintosh OS X 10.2.3 or later

Note: A Macintosh client must have both a computer name and a user name assigned.

Software

Adobe Acrobat 5.0.5 or 6.0

Minimum System requirements

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 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 DotShop plug-in ready to use.

Updating the DotShop Plug-in

Creo delivers a Prinergy DotShop plug-in update with a Prinergy 2.2.x.y client (Workshop) software update. Check the Prinergy update's readme file to confirm that a DotShop update is included.

Getting Technical Help

Finding Help Information

From the Acrobat main menu, select **Help>Plug-In Help>Prinergy DotShop** to open the PDF file containing the DotShop help document.

Viewing the About Dialog Box

From the Acrobat main menu, select **Help>About 3rd Party Plug-Ins>Prinergy DotShop** to display the DotShop dialog box and check which version of the plug-in is installed in the Acrobat plug-ins folder.

Calling Customer Support

Call the Response Center 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:

Checking File Names on page 9

Preparing a File for DotShop Screening on page 10

Handling Files with Creation Software Screening on page 11

Handling Files Containing Heidelberg Traps on page 11



Checking File Names

Since the Prinergy server is a Windows-based server and Prinergy clients may run either Macintosh or Windows operating systems, portable document format (PDF) files need to be movable across platforms.

Ensure that your PDF files are named to conform to both Macintosh and Windows standards.

File Names for Macintosh and Windows

When using the DotShop on a Macintosh or Windows PC, a valid filename:

- 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 step.
3. Click to enable CEPS Conversion in the Refine process plan. 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 plan to convert RGB colors to CMYK colors. Depending on your input file or design requirements, you may want to **Map All Spot Colors to Process**, **Set Colors to Knockout**, and/or **Set Black to Overprint**.

   Do not set colors to knockout when you will need double hits of spot colors.

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 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 Heidelberg Trap JTP or TrapEdit plug-in, your screening choices when using the 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 moves for setting up your DotShop screening workspace:

Accessing the Screen Instance File (SIF) on page 13
Opening and Licensing Prinergy DotShop on page 15
Changing the License Server for DotShop on page 20
Closing Prinergy DotShop on page 22
Tiling DotShop Windows on page 23
Changing Magnification (Zooming) on page 24
Setting Fit Width and Fit Page Views on page 26
Viewing Different Parts of a Page (Panning) on page 27

You can also set up some preferences using the Preferences dialog box:

Setting Selection Colors on page 28
Showing or Hiding Warnings on page 30

Accessing the Screen Instance File (SIF)

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 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
- Screen system
- Dot shape
- Device resolution
- Screen (line) ruling
- Maxtone dot width
- Hyperflex
- Eligible calibration curves
- Screen angles (including default angle for spot colors)
- Harmony medium
- Angle orientation

- (Optional) Description

Each screen instance will also specify whether or not 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 through **Programs>Prinergy>DotShop Composer** in the **Start** menu. 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 DotShop plug-in in the client , DotShop automatically accesses the SIF file that is on the server and makes it's screen sets available in DotShop's Properties Editor.

Opening and Licensing Prinergy DotShop

About DotShop Licensing

Being able to use the Prinergy DotShop for your screening session will depend on the number of 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 DotShop plug-in and you try to open DotShop from your client when all 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 DotShop plug-in again later.

Copying the Plug-in into the Active Plug-ins Folder

The DotShop Plug-in is placed in the **Prinergy_Plug-in_Disabled** folder in Acrobat during a Prinergy Workshop installation or update.

- On a Windows client, copy **CreoToolsPro.api** from the **Acrobat\Prinergy_Plugin_Disabled** folder to the **Acrobat\Plug-ins\Prinergy** folder.
- On a Macintosh client with Acrobat 5.05, copy **CreoToolsPro** from the **Acrobat\Prinergy_Plugin_Disabled** folder to the **Acrobat\Plugins\Prinergy_Plug-ins** folder.
- On a Macintosh client with Acrobat 6.0, copy **CreoToolsPro** from the **Acrobat\MacOS\Prinergy_Plugin_Disabled** folder to the **Acrobat\Plugins\Prinergy_Plug-ins** folder.

Starting DotShop

The Prinergy DotShop workspace is a series of windows and dialogs 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. In the Acrobat main menu, select **View>Fit in Window**.
3. On the Acrobat **Editing** toolbar, select the **Prinergy DotShop** button .

   Or:

   Select **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 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 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**—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 with screen instances for you to choose from. Typically, your system administrator will prepare this file for you. See Accessing the Screen Instance File (SIF).

- **Separations Viewer**—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.

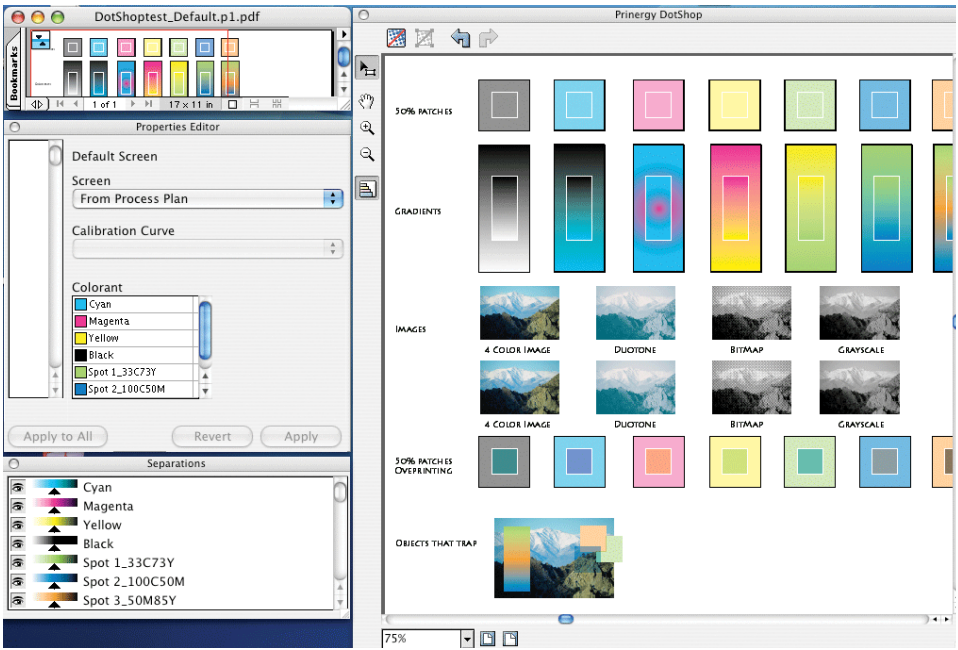
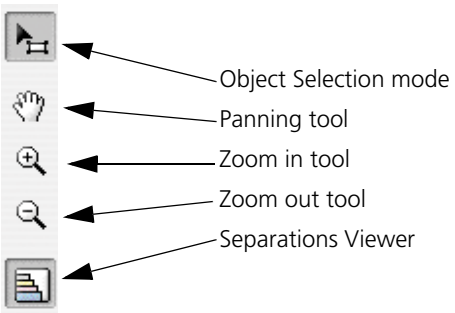


Figure 1: Opened DotShop Plug-in Windows

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 DotShop Windows.

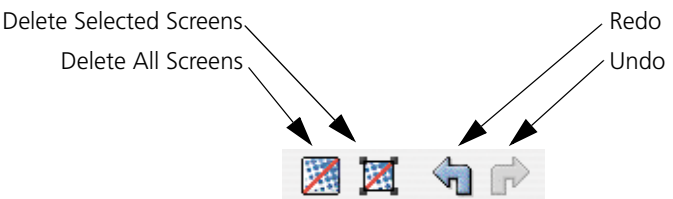
DotShop Viewing Toolbar

The Viewing toolbar is vertical and includes the following buttons:



DotShop Action Toolbar

The Action toolbar is horizontal and includes the following buttons:



Changing the License Server for DotShop

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

To change the licensed server:

1. Access the Preferences dialog box from Acrobat's **Edit** menu under **Preferences>Prinergy DotShop>License Server.**

   Or:

   For Macintosh OS X, use the **Acrobat** application menu on the main toolbar: **Acrobat>Preferences>Prinergy DotShop**.

   The DotShop Preferences dialog box appears.

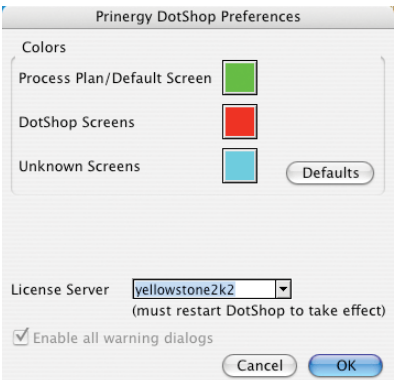


Figure 2: License Server Box in DotShop Preferences

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 listed in the **License Server** drop-down box. 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 DotShop plug-in for the new name to become the default license server.

Closing Prinergy DotShop

Closing Prinergy DotShop is a little different on Macintosh and Windows clients.

- Close the Prinergy DotShop plug-in on a Macintosh OS 9 or OS X by clicking on the close button on the Prinergy DotShop title bar, or on the Properties Editor dialog.
- Close DotShop in Windows by clicking on the close button  on the Prinergy DotShop title bar or on the Properties Editor dialog.

Tiling DotShop Windows

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

To return to default tiling for DotShop windows:

1. Select **Window>Tile** from the Acrobat main menu.
2. Select **Prinergy DotShop**.

The Acrobat window, the Properties Editor, 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 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.

To zoom in and out in the Prinergy DotShop window, do one of the following:

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

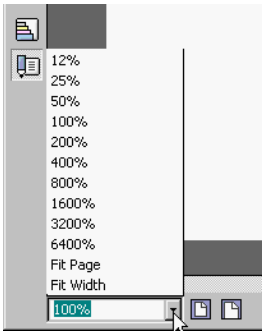


Figure 3: Magnification Menu in DotShop Window

Keyboard Shortcuts for Zooming

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

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

Setting Fit Width and Fit Page Views

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

To fit a PDF in the DotShop window, do one of the following:

- On DotShop's Status toolbar, click **Fit Width** to resize the view of the PDF page according to its width.
- Click **Fit Page** to view the entire PDF page in the DotShop window.

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

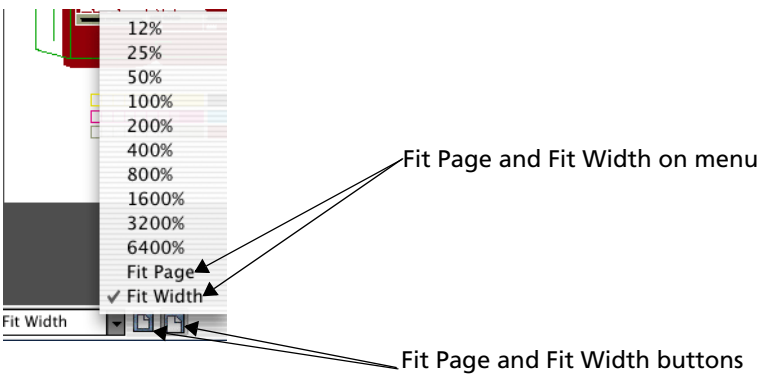


Figure 4: Finding Fit Page and Fit Width in the DotShop Window

Viewing Different Parts of a Page (Panning)

Prinergy DotShop's viewing rectangle is superimposed over the contents of the PDF file in Acrobat and outlines the current view that is shown in the Prinergy DotShop window.

To pan to another view of the PDF, do one of the following:

- 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 DotShop window.
- Click the hand tool  in the DotShop toolbar then click in the DotShop window and hold the mouse button down to move the focus of the DotShop window to another part of the opened page.

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

Tip: If the entire page is visible in the Acrobat window, increase the magnification in the DotShop window. Then you can move the viewer rectangle around in the Acrobat window to check page contents more closely in the 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 DotShop window. The Preferences menu is available when the DotShop plug-in is closed as well as opened.

To choose selection highlight colors:

1. In the Acrobat main menu, select **Edit>Preferences>Prinergy DotShop**. For Macintosh OS X, use the **Acrobat** application menu on the main toolbar: **Acrobat>Preferences>Prinergy DotShop**.

   The DotShop Preferences dialog box appears.

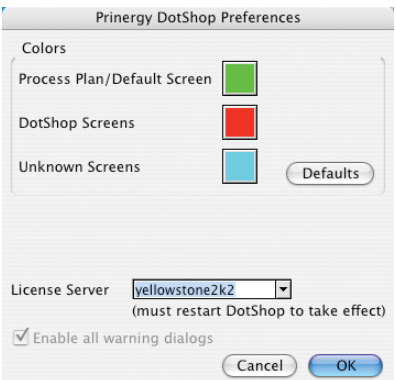


Figure 5: Default Highlight Colors in DotShop Preferences

2. Click the color swatch for one of the following:

- Process Plan/Default Screen
- DotShop Screens
- Unknown Screens

A color selection chart appears.

3. 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.

   Or:

   Click on **Defaults** to return the highlight items to their Dotshop-defined colors.
6. Click **OK** to close the DotShop Preferences dialog box.

When you select objects in 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 screening session. You can suppress these messages in the dialog that comes up so that no messages will show again during that session.

If warnings have been suppressed and you want to review them, you can re-enable them by checking the **Enable all warning dialogs** checkbox.

To check for warning messages:

1. From the Acrobat main menu, select **Edit>Preferences>Prinergy DotShop** For Macintosh OS X, use the **Acrobat** application menu on the main toolbar: **Acrobat>Preferences>Prinergy DotShop**.

   The DotShop Preferences dialog box appears.

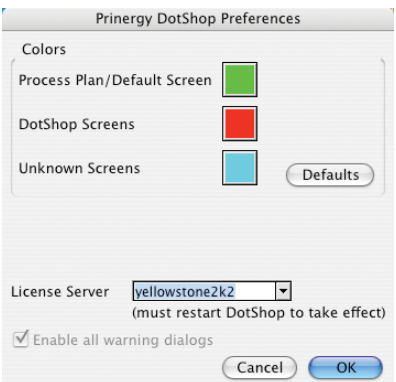


Figure 6: Warnings Check Box in DotShop Preferences

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** to close the DotShop Preferences dialog box.

Selecting Objects

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

Selectable Object Types on page 33

Selecting with a Mouse Click on page 34

Selecting by Marquee on page 36

Selecting by Attribute and Context on page 38

Removing a Selection from the List on page 43

Finding Selected Items Easily on page 44

Checking Color Separations on page 45

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 

- PSBypass image 

- CEPS data 

Note: Copydot images are not screened by 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, hold down the **Ctrl** key for PC (**Option** key for Mac) and click on 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 switch to object selection mode and select an object:

Macintosh: ⌘ (Command) + click

Windows: CTRL (Control) + click

To add or remove a selection from a selection list:

Windows and Macintosh: 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 down the mouse button and drag a selection rectangle (a marquee) completely around the items you want.

   An object fully inside the marque 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 override the current mode.

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

To switch to object selection mode from pan or zoom:

Macintosh: ⌘ (Command) + marquee

Windows: CTRL (control) + marquee

To add or remove a selection from a selection list:

Windows and Macintosh: 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.

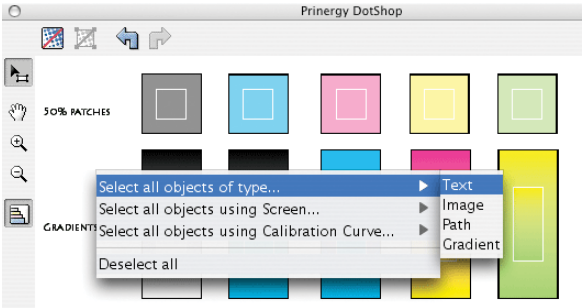
To select all objects with the same properties:

1. On a Macintosh client, hold down CONTROL then click your mouse in the Prinergy DotShop window.

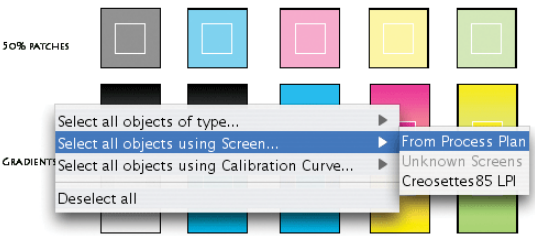
   Or:

   On a Windows client, right-click your mouse in the Prinergy DotShop window.

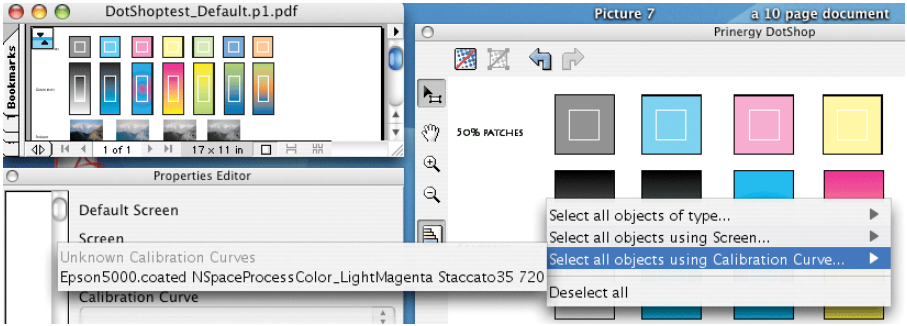
   The selection menu opens.
2. Click to choose from the following possible menu items:
   - Select all objects of type...



- Select all objects using Screen...



- Select all objects using Calibration Curve...



Or, choose:

- Deselect all (clears the selection list and returns the page to default screening)

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

3. To add more items, use CONTROL + SHIFT + click (Mac) or SHIFT + right click (Windows) 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.

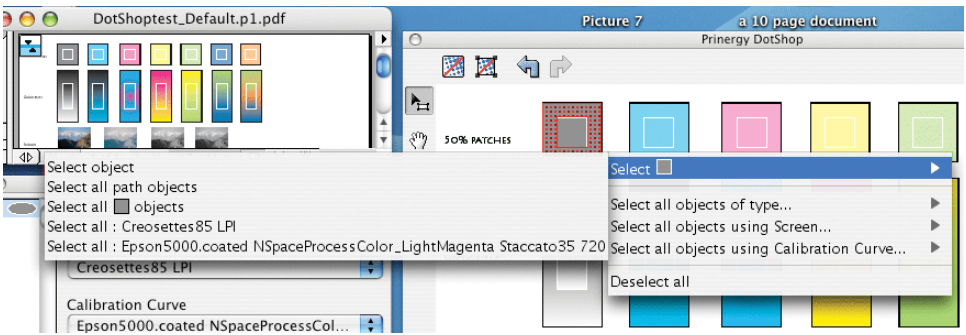
To select an object or all objects with the same properties:

1. On a Macintosh client, hold down CONTROL then click your mouse over an object in the Prinergy DotShop window.

   Or:

   On a Windows client, right-click your mouse over an object in the Prinergy DotShop window.

   The selection menu opens.



2. Click to choose from:
   - 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...

Or, choose:

- Deselect all (clears the selection list and returns the page to default screening)

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

3. To add more items, use CONTROL + SHIFT + click (Mac) or SHIFT + right click (Windows) 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 in the Prinergy DotShop window are listed in the Properties Editor and highlighted in the Prinergy DotShop window. To remove them from the selection list in the Properties Editor:

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

Finding Selected Items Easily

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

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

- On a Macintosh client, click and hold on the items' icon in the Properties Editor.
  Or:

  On a Windows client, 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 Separations Viewer opened, any overprints in the PDF file are rendered in the DotShop window which is helpful when checking the look and properties of objects.

Tip: With the Separations Viewer off, Prinergy DotShop processes faster.

To open the Separations Viewer:

1. Click the Separations Viewer button  in the Prinergy DotShop Viewing (vertical) toolbar.

   The Separations window opens and 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 view the colors in the Prinergy DotShop window as lighter or darker. For example, lighten the color on a darker colored object to see other colors that may be underneath that colorant.

4. In the Separations window, click to close a swatch's eye icon to remove that color from the DotShop view of the page. Click again to restore the color.

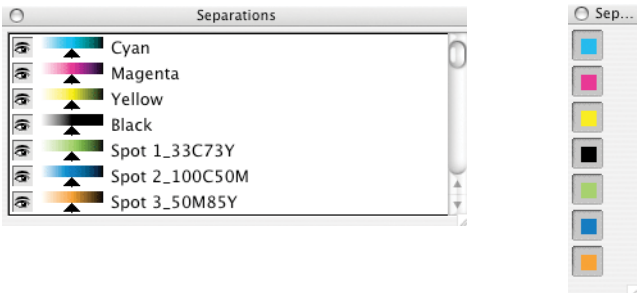


Figure 7: Separations Viewer Window and Swatches Only View

Note: Lightening, darkening, and turning off a color using the Separations 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 48
Screening an Object or Group of Objects on page 50
Applying a Calibration Curve on page 52
Adjusting Colorant Screen Angles on page 54
Screening All Selected Objects on page 56
Screening an Entire Page on page 57
Deleting Selected Screens on page 58
Deleting All Screens on page 58
Undoing and Redoing Actions on page 59



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 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 on **Apply**, click the **Revert** button.

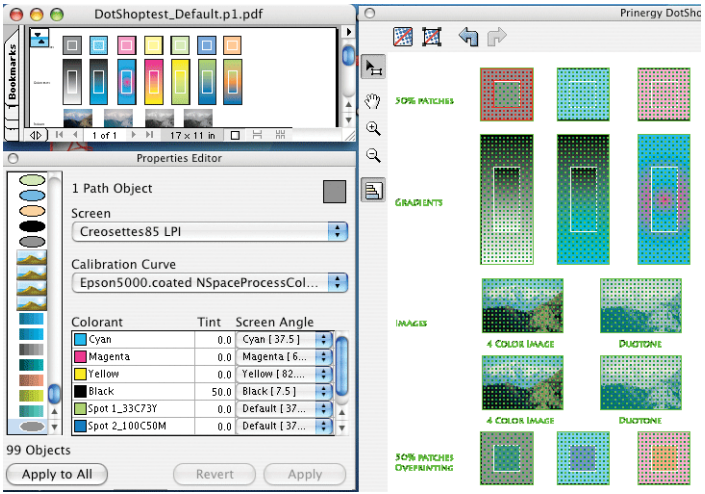


Figure 8: Path Object Selected in Properties Editor

Screening an Object or Group of Objects

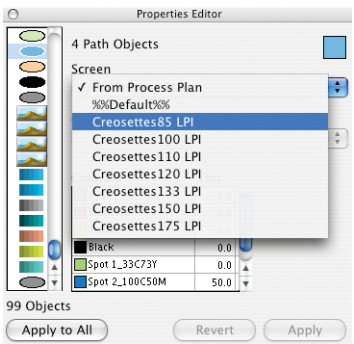
You can change the screening for a selected object or for a group of selected objects.

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, select the screen instance you want to apply from the drop-down menu.



   If you select **From Process Plan** as the screen instance, no screening will be applied by DotShop. Screen settings in the output process 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**.

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

Note: When applying a screen instance to an object with a spot color in it, 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 second drop-down box of the Properties Editor.

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

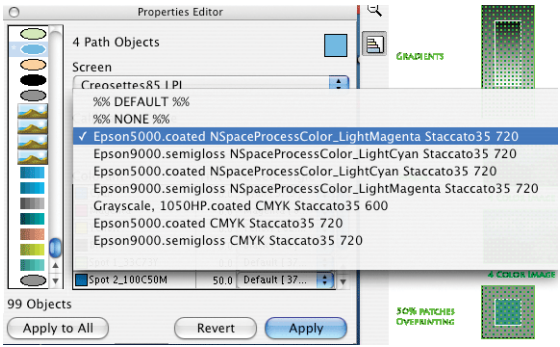
To apply a different calibration curve to an object:

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** drop-down menu.

3. Select the calibration curve you want to apply from the **Calibration Curve** drop-down menu.



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

   If you select **%%NONE%%** as the calibration curve, no calibration will be applied by DotShop or by the output process plan. 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**.

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 checked 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.

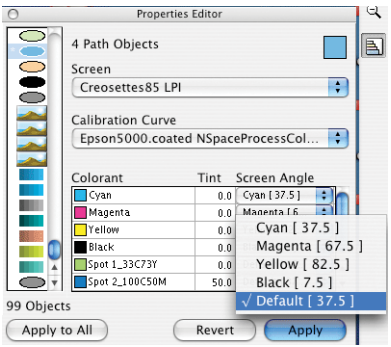
   For more information on selecting objects, see Selecting Objects.

2. In the Properties Editor, select the screen instance you want to apply from the **Screen** drop-down menu.

3. (Optional) Select the calibration curve you want to apply from the **Calibration Curve** drop-down menu.

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

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



5. Click **Apply**.

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** drop-down menu.

4. (Optional) Select the calibration curve you want to apply from the **Calibration Curve** drop-down menu.

5. (Optional) Click on a colorant's screen angle and choose an angle to apply.

6. Click **Apply to All**.

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

Tip: In the Properties Editor, you can also just select an object that has the screening you want to apply to the other selected objects and click **Apply to All**.



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** drop-down menu.
4. (Optional) Select the calibration curve you want to apply from the **Calibration Curve** drop-down menu.
5. (Optional) Click on a colorant's screen angle and choose 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 DotShop and Unknown screens.

Tip: If the page has no items selected, you can just 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 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 Screens** button  in the Prinergy DotShop 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 DotShop Preferences), indicating that the objects do not have screening applied.

Deleting All Screens

You can remove all DotShop and Unknown screens from a page.

To remove screening from a page:

➢ Click the **Delete All Screens** button  in the Prinergy DotShop toolbar.

All 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 (horizontal toolbar).

To undo or redo actions in 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 Separations Viewer closes when you use **Undo** and **Redo**. This is to improve screen redrawing when multiple steps are being processed. If you need it, just turn the Separations Viewer back on when you finish undoing or redoing steps in your session.

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