ArtPro to CreoScitex Connectivity

Release 4.99 Revision E
Release Notes

06-3212B-A
Revised April 2001

CreoScitex™

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INTRODUCTION

We are pleased to send you the latest release of the ArtPro software by PCC Artwork Systems. These release notes introduce the ArtPro to CreoScitex workflow options and describe how to:

- import PostScript/PDF
- center your 1-up ArtPro file
- work with CAD CFF2 and DDES dieline files for Step and Repeat
- output PostScript and DCS2 files

These release notes assume you have a working knowledge of prepress operations and are familiar with your ArtPro environment and the Macintosh or Windows NT operating system.

What's ArtPro

ArtPro is Macintosh-based PostScript software for packaging prepress. The two key features of value are controllable vector-based trapping and Step and Repeat to either:

- a CAD CFF2 or DDES dieline for folding cartons
- tabular mode for tag and label and flexible packaging

ArtPro also has many other tools for packaging assembly and prepress, but does not replace current desktop design programs.

With several optimized workflows developed for maximum flexibility and productivity, ArtPro is a good fit with CreoScitex iMPAct and Prinergy workflow solutions.

Important Information

The scaling issue previously reported in the ArtPro to CreoScitex Connectivity Release Notes has been resolved. The fix for this problem involves new settings for Print Settings dialog box. To specify the appropriate settings, see the Print Settings dialog box section for your workflow.

Conventions Used

This section describes the fonts and terminology used in these release notes.

Fonts

Helvetica Bold is used to refer to buttons, options in a dialog box, menus, menu commands, and folders.

Times Italic is used to refer to other sections or titles in the release notes.

Helvetica is used for figure and table captions.

`Courier` is used for messages on your screen and for information you must type.

SMALL CAPS are used for keyboard keys, such as ENTER or CTRL+ALT+DEL.

Terminology

Clear Place the mouse pointer over the check box for the specified option, then click the mouse button so that the X or check mark is removed from the check box.

Click Place the mouse pointer over the specified option or button, then press and release the mouse button.

Double-click Place the mouse pointer over the specified option or button, then quickly press and release the mouse button twice.

Drag Hold down the mouse button while moving the mouse, then release the button.

Enter Type the information, then press the ENTER key.

Point Position the mouse pointer over a submenu that doesn't need to be clicked, for example, the **Application Alias** submenu under the **Apple** menu in the Macintosh menu bar.

Press Press the specified key or key combination on your keyboard. For example, press ⌘-S to save a file.

Select Place the mouse pointer over the check box for a specified option, and click the mouse button so that an X or check mark appears in the check box.
Or:
Place the mouse pointer over the specified box or button, then click the mouse button.

Type Type the information. Do not press ENTER or RETURN.

Your Comments

Every effort has been made to provide you with accurate and useful information in this document. We would like to know if our documentation meets your requirements.

- Can you find the information you are looking for?
- Did this document help you solve any problems that occurred?
- What could be improved?

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INSTALLING OR UPGRADING TO ARTPRO 4.99

ArtPro 4.99 software comes with a CD and either an ADB or USB dongle (for new installations). For detailed installation information, refer to the *How?* section of your *ArtPro 4.5 Manual*.

If you are connecting an ADB dongle to a USB port with an Imate adapter, consider using Imate Fiddler to appropriately adjust the polling rate of the adapter. Specify the following settings as shown in the Imate Fiddler dialog box:

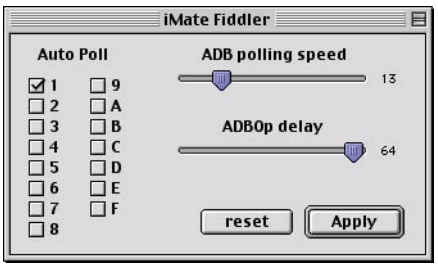


Figure 1: Imate Fiddler Dialog Box

Installing ArtPro

To install ArtPro:

1. Turn your Macintosh off.
2. Connect the dongle to your Macintosh ADB or USB port.

   Note: When connecting a USB dongle, it is necessary to install a driver in the extensions folder of the Macintosh.
3. From the CD, install the following into the **Applications** folder on your hard drive:
   - the application
   - **the Extensions** folder
   - all other files in the ArtPro application folder
4. In **Get Info,** set ArtPro's **Preferred Size** for RAM by pressing ⌘-I and clicking the application icon.

   Note: The recommended minimum memory is 40 MB (60 MB for more complex work). However, the more memory you can allot ArtPro the better, and it is best to have the minimum and preferred amounts equal
5. Double-click the program icon to open ArtPro.

   You are prompted to program your dongle.
6. Enter the code provided with your software.
7. Restart ArtPro.

To add modules:

1. Double-click the program icon to start ArtPro.
2. Select **Preferences,** and then **More Preferences** by pressing ⌘-OPTION-K.
3. Select **program dongle**.
4. Enter the activation code.

   Note: With your new purchase, you are supplied with an activation code.
5. Restart ArtPro.

   New options for purchased modules are now available.

Upgrading ArtPro

To upgrade ArtPro:

1. Place the new application version (or revision), the **Extensions** folder, and all other files in the ArtPro application folder on the install CD into your **Applications** folder on your hard drive.
2. Double-click the program icon to start ArtPro.

   Note: Make sure your computer date is set correctly.

Setting Up Your PostScript Printer

To set up the PostScript printer:

1. From the **Apple** menu, select **Chooser**.

   The Chooser dialog box opens.

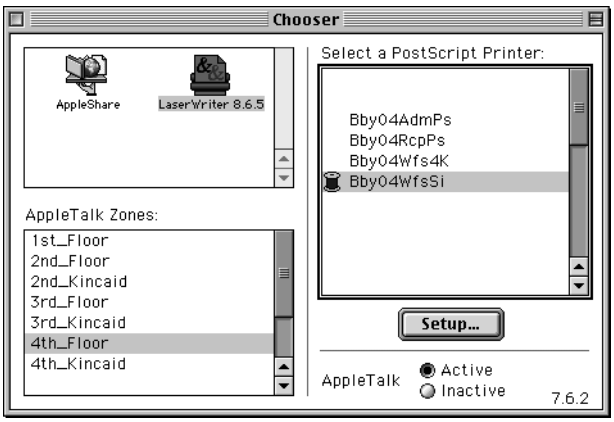


Figure 2: Chooser Dialog Box

2. Select Laserwriter 8.4.1 or higher, or Adobe PostScript 8.5.1.

   If you use Mac OS 8.6, select Laserwriter 8.6.5 for best results.

   If you use Mac OS 9, select Laserwriter 8.61 for best results.

3. Select a PostScript printer.

   Note: If there is not a PostScript printer available on your network, it may be necessary to install a Virtual Printer from your Mac OS Install CD. See the Apple Extras folder for more.

4. Click **Setup**.

   The Printer Setup dialog box opens.

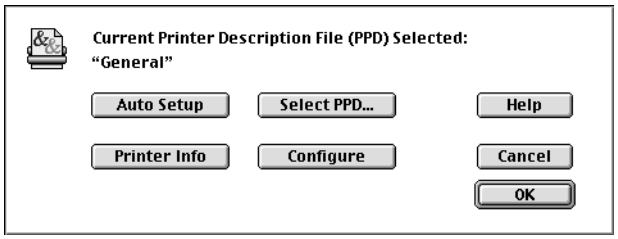


Figure 3: Printer Setup Dialog Box

5. Click the **Select PPD** button.

   The Select PostScript Printer dialog box opens.

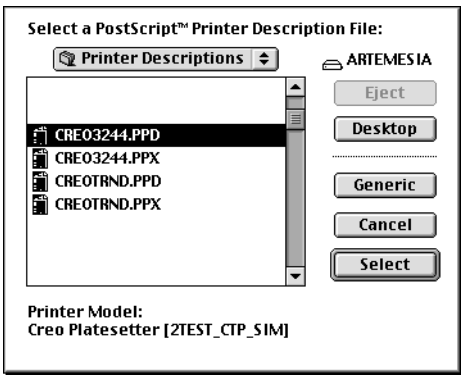


Figure 4: Select PostScript Printer Dialog Box

6. Select a PostScript printer description (PPD) file, for example, **Creo3244.ppd**.

   Note: For more information on creating PPDs, see your *PlateMaster User Guide*.

ADB Dongles

If you're using an ADB dongle with an Imate adapter, your dongle may expire prior to the expiration date as ArtPro checks for the dongle with greater frequency than most applications. To avoid a possible conflict resulting in the expiration of the dongle, consider using Imate Fiddler. See *Installing or Upgrading to ArtPro 4.99* on page 4.

Adobe Type Manager

Adobe Type Manager must be active for correct interpretation of fonts in ArtPro. For more information on why Adobe Type Manager is required, see your *ArtPro 4.5 Manual*.

Note: For Mac OS 9 users, it is necessary to install Adobe Type Manager 4.5.1, or system errors may occur. If these errors occur, it may be necessary to reinstall your OS.

ARTPRO AND CREOSCITEX SYSTEMS

ArtPro is qualified to work with the following CreoScitex systems:

- Prinergy
- Brisque
- PlateMaster automated workflow (does not support the DCS and TIFF-based OPI workflow)
- PS-to-Press/CEPS-to-Press semi-automated workflow
- Overture manual workflow

Each system provides a job folder structure for job organization and automation.

Prinergy

For more information on Prinergy job folders and how to set them up, see your Prinergy *System Administration Guide*.

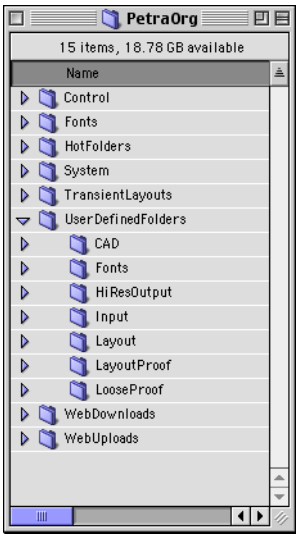


Figure 5: Prinergy Job Folders

PlateMaster

For more information on PlateMaster job folders and how to set them up, see your *PlateMaster User Guide.*

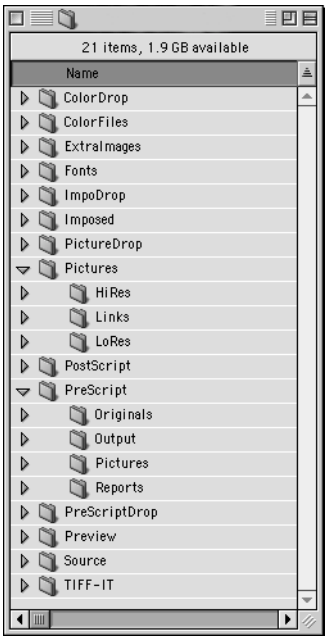


Figure 6: PlateMaster Job Folders

PS-to-Press/CEPS-to-Press

For more information on PS-to-Press job folders and how to set them up, see your *PS-to-Press User Guide* or *CEPS-to-Press User Guide.*

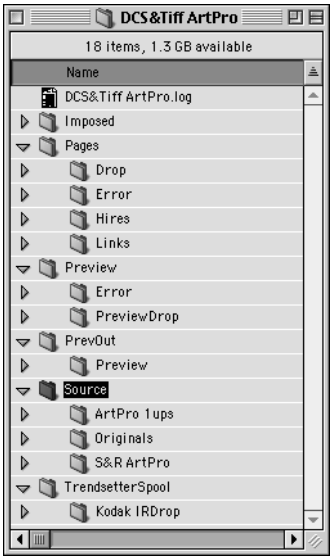


Figure 7: PS-to-Press Job Folders

Overture

For more information on Overture job folders and how to set them up, see your *Overture Release Notes.*

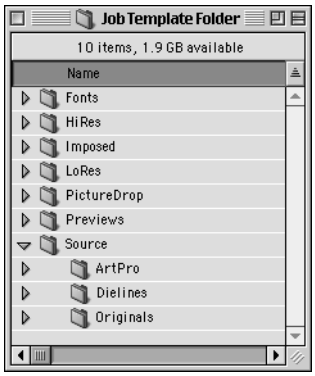


Figure 8: Overture Job Folders

SETTING UP THE PRINTER

The following sections include information on defining the page setup and printer settings from the ArtPro Print dialog box.

Defining the Page Setup

To define the page setup:

1. From the **Print** dialog box, click **Page Setup**.

   The Page Setup dialog box opens.

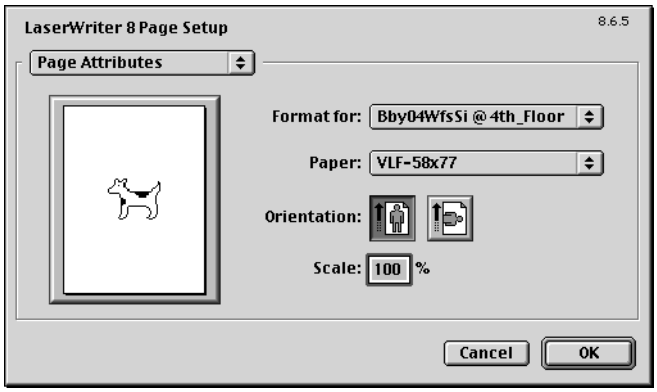


Figure 9: Page Setup Dialog Box, Page Attributes View

2. Select the appropriate printer and corresponding plate size.
3. From the **Paper** box in **Page Attributes** view, select the appropriate plate size.
4. From the **Page Attributes** box, select **PostScript Options**.

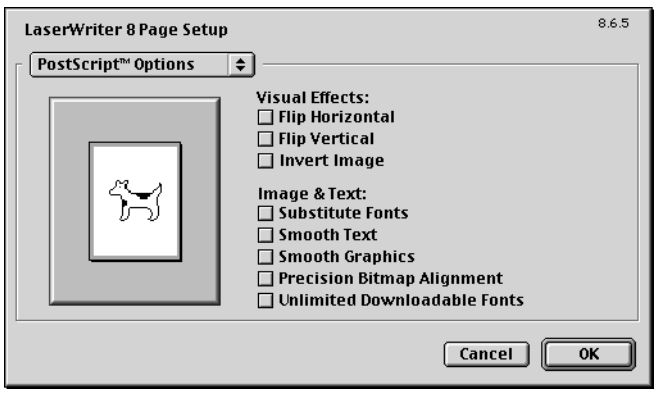


Figure 10: Page Setup Dialog Box, PostScript Options View

5. Clear all the check boxes.

6. Click **OK**.

   The ArtPro Print dialog box opens.

Defining the Printer Settings

To define the printer settings

1. Click **Print**.

   The LaserWriter Print dialog box opens.

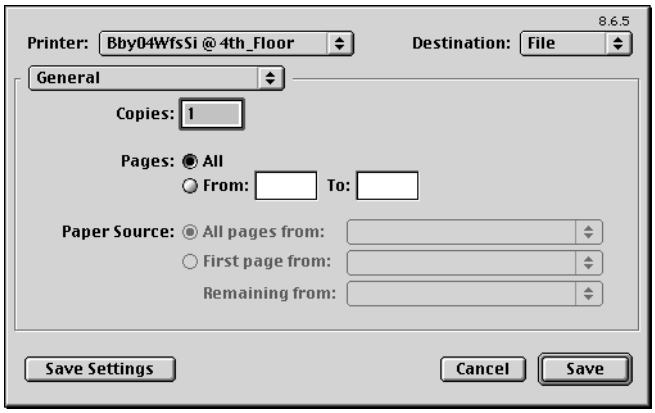


Figure 11: Print Dialog Box, General View

2. From the **Destination** box, select **File**.
3. From the **General** box, select **Background Printing**.

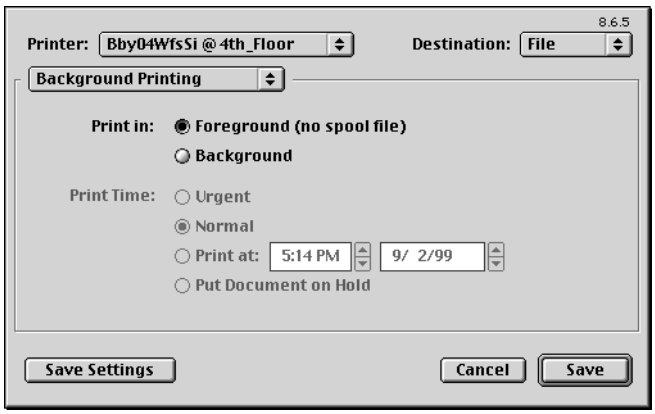


Figure 12: Print Dialog Box, Background Printing View

4. At the **Print in** option, select **Foreground (no spool file)**.

5. From the **General** box, select **Color Matching**.

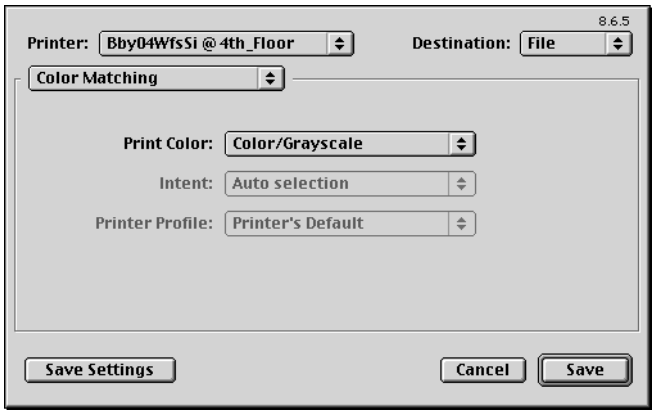


Figure 13: Print Dialog Box, Color Matching View

6. In the **Print Color** box, select **Color/Grayscale**.
7. From the **General** box, select **Cover Page**.

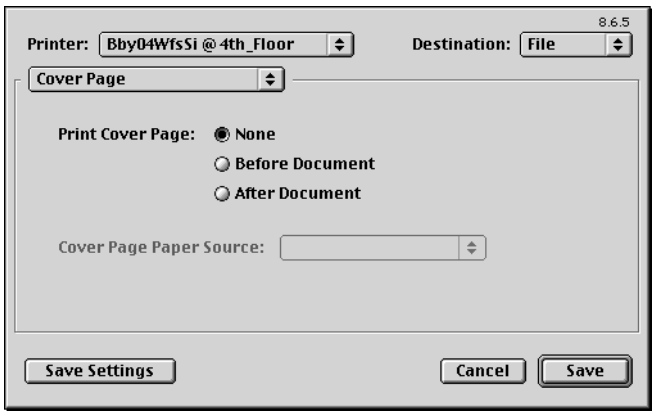


Figure 14: Print Dialog Box, Cover Page View

8. At the **Print Cover Page** option, select **None**.

9. From the **General** box, select **Font Settings**.

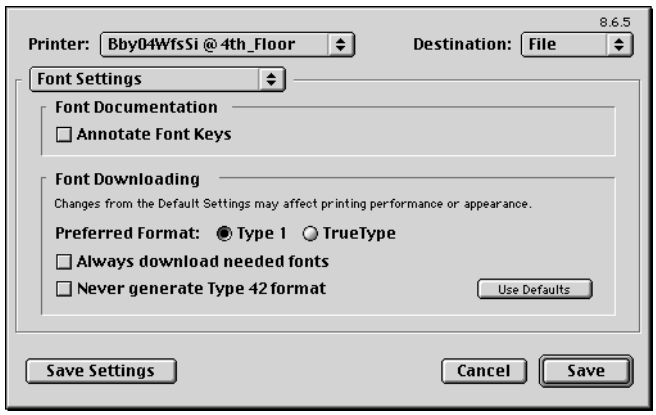


Figure 15: Print Dialog Box, Font Settings View

10. At the **Preferred Format** option, select **Type 1**.
11. From the **General** box, select **Job Logging**.

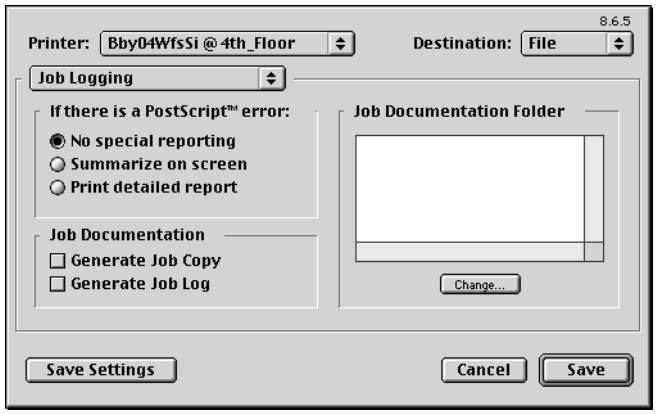


Figure 16: Print Dialog Box, Job Logging View

12. In the **If there is a PostScript error** section, select **No special reporting**.

13. From the **General** box, select **Layout**.

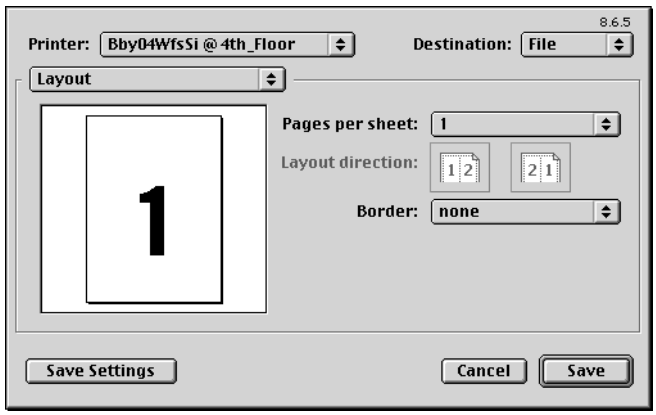


Figure 17: Print Dialog Box, Layout View

14. Select the appropriate settings for your layout.
15. From the **General** box, select **Save as File**.

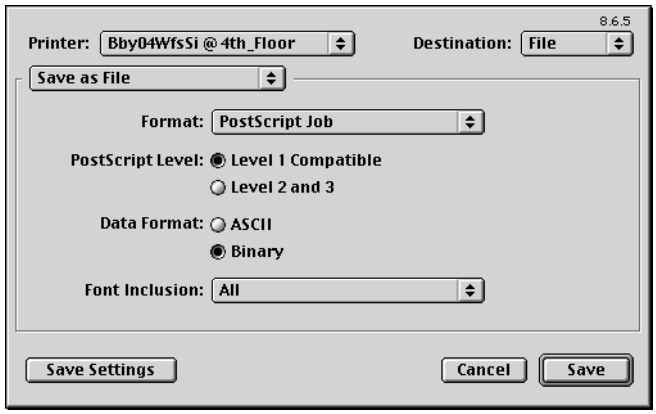


Figure 18: Print Dialog Box, Save as File View

16. Do the following:
    - From the **Format** box, select **PostScript Job**.
    - At the **PostScript Level** option, select **Level 1 Compatible**.
    - At the **Data Format** option, select **Binary**.
    - From the **Font Inclusion** box, select **All**.

    TIP: Use the **Save Settings** option so that each time you print with this setup, your preferences are the same.

Saving Print Settings Profiles

Save Print Settings from the **Print** menu and Print Settings window. This helps to prevent operator error, and is especially beneficial in an environment where more than one of the recommended CreoScitex workflow is being used.

Creating Print Settings Profiles

To create a print settings profile:

1. Create a folder called **Print Settings** in the ArtPro application folder.

   Use this folder to save all of the Print Settings profiles that are created.

2. In ArtPro, open the **Print** menu and Print Settings window.

3. Make all desired settings in both windows.

   For more information, see the *ArtPro to CreoScitex Connectivity Release Notes*.

4. In the **Print** menu, click **Save Settings**.

5. Specify the destination folder.

   The file containing the print settings is saved as an ArtPro internal format file.

Loading Print Settings Profiles

To load the print settings profile:

1. In the **Print** menu, click **Load Settings**.

2. Select the desired profile from the dialog box that appears, and click **Open**.

   The saved settings are loaded, and the **Device Type** is changed to either **Customer Imagesetter** or **Custom Proofer**.

   Note: Do not change the device type, otherwise the settings will reset to default settings for the new device type selected.

3. Proceed with outputting according to the selected workflow.

Remember to make the necessary settings in the **Page Setup** menu. Those settings are not saved with the profile that is created in the document.

IMPORTING POSTSCRIPT INTO ARTPRO

ArtPro can import files originated from QuarkXPress, Adobe Illustrator, Macromedia FreeHand, Adobe Pagemaker, and Corel Draw if they are saved in PostScript or PDF format. For limitations on importing PDF files, see your *ArtPro 4.5 Manual*. ArtPro also supports Windows/PC EPSF files with preview and recognizes composite, preseparated, and separated PostScript.

TIP: For ArtPro to CreoScitex connectivity, import fat composite PostScript to gain functionality in the OPI-based workflows.

When files are imported into ArtPro, the PostScript or PDF files are completely converted into ArtPro internal format. All paths are converted into internal ArtPro paths; the text remains text and images are saved separately on the hard disk.

TIP: If you intend to use the file you are importing on an iMPAct server in an OPI workflow, you should eliminate all special characters and spaces from the naming convention.

Importing PostScript Containing Various Images

When ArtPro imports a PostScript source file containing embedded contone images, it extracts the images and saves them separately as TIFF files. For example, if the file is called **myfile.ps**, ArtPro imports the artwork until it reaches the first image, then pauses and asks you to save **myfile#1.tif**, the first image it encountered. Save your files to the **HiRes** folder of your job on the CreoScitex Server. For information on creating jobs, see your *PlateMaster User Guide*, *PS-to-Press User Guide*, *Overture Release Notes*, or *Prinergy Online Help*.

All subsequent images have incremental numbers after the # symbols (that is, myfile#2, myfile#3, etc.). The vector data that is included in the PostScript source file is converted to the ArtPro internal format representing the vectors.

For more information on the available settings and options for **PS Fonts**, **PS OPI**, and **PS placed EPS**, see your *ArtPro 4.5 Manual*.

SETTING UP YOUR ARTPRO JOB

You can create 1-up graphics with ArtPro or import a 1-up PostScript file generated by other desktop applications. For details on using ArtPro tools, such as text editing, bar code creation, image editing, etc., see your *ArtPro 4.5 Manual*.

Importing Files Into ArtPro

To import files into ArtPro:

1. From the main menu bar, select **File**, **Import**, and then **PostScript/PDF**.

   The Import PostScript/PDF dialog box is displayed.

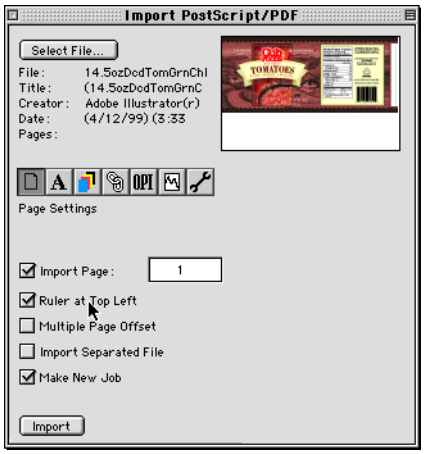


Figure 19: Import PostScript/PDF Dialog Box

2. Click **Select File**.
3. Select the file to import, and click **Open**.

4. Click the following buttons to define additional import settings:
   - **Font Settings**
   - **Color Settings**
   - **Links Settings**
   - **OPI Settings**
   - **Image Settings**
   - **General Settings**

   Note: Options are job-specific. For more information on the available settings and options, see your *ArtPro 4.5 Manual*.

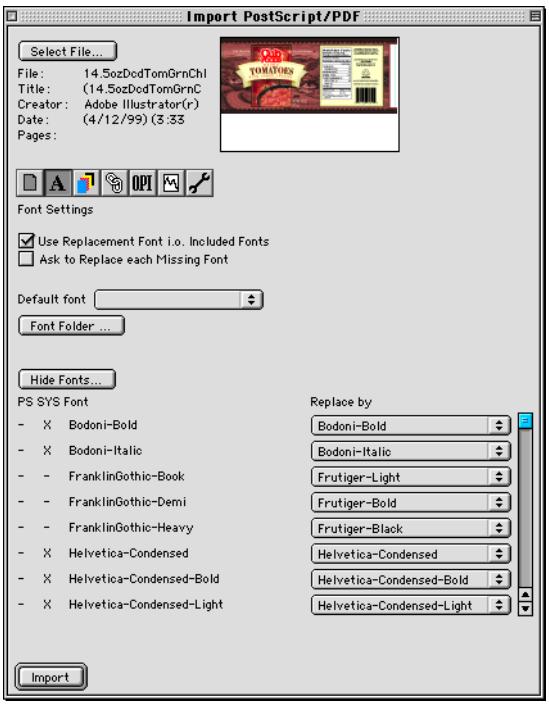


Figure 20: Font Settings Dialog Box

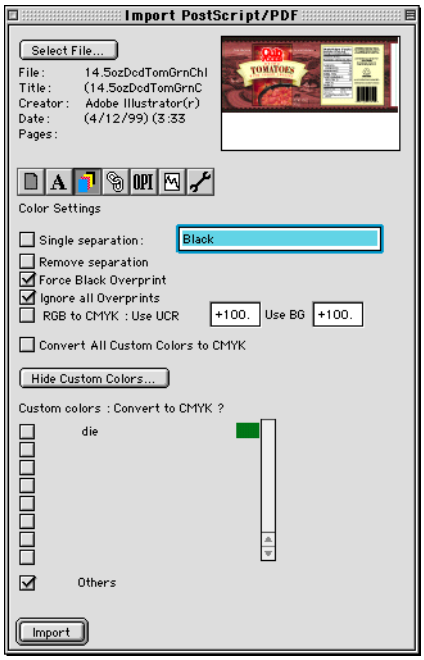


Figure 21: Color Settings Dialog Box

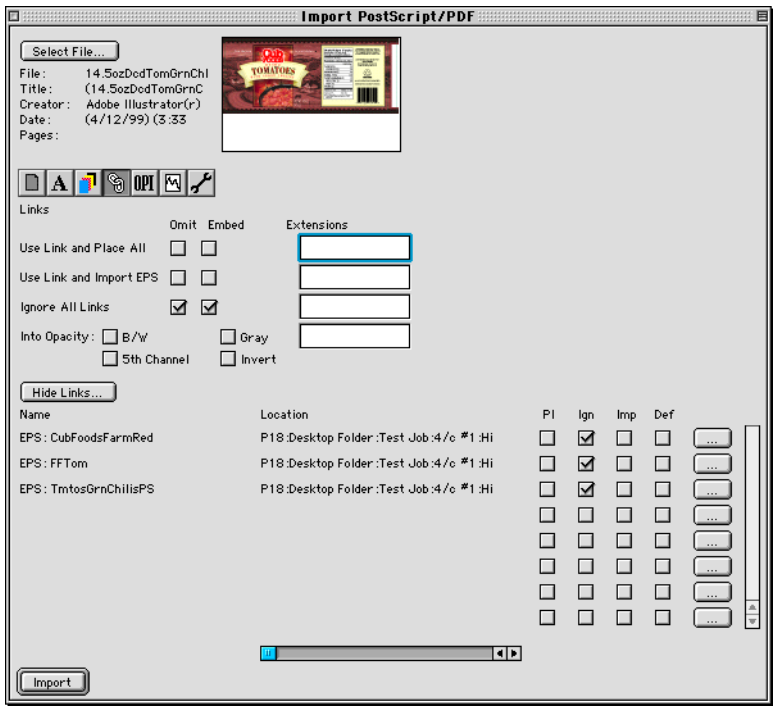


Figure 22: Links Dialog Box

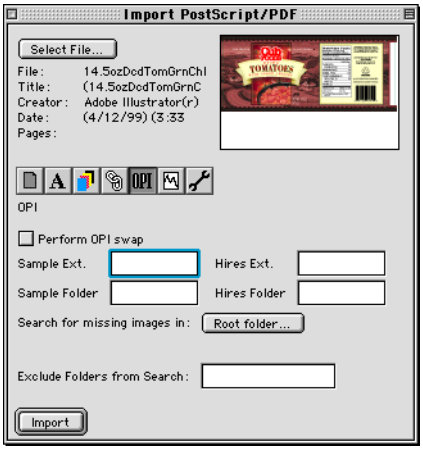


Figure 23: OPI Dialog Box

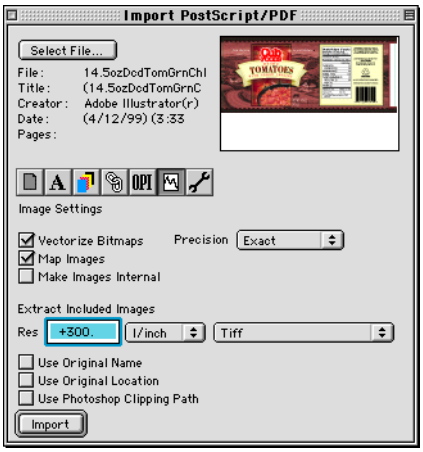


Figure 24: Image Settings Dialog Box

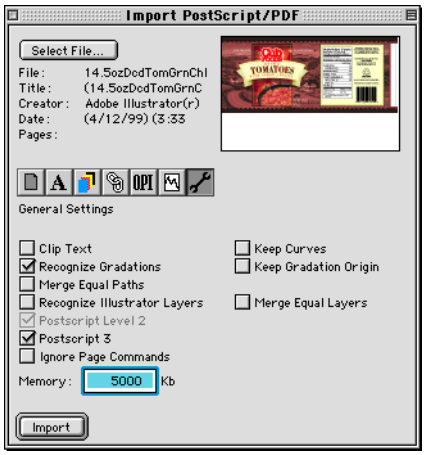


Figure 25: General Settings Dialog Box

5. In the Import PostScript/PDF dialog box, click **Import**.

   The file you selected is imported into ArtPro.

Placing Pictures from the Paint Menu

The **Place Pictures** option is used in the Renaissance and CEPSLink workflow.

To place an image:

1. From the **Paint** menu, select **Place Pictures**.
2. Center the artwork.

   For more information, see *Setting Up Your 1-Up Job* on page 23.
3. Add the color names of the image file manually, if necessary.

   Check to make sure that the colors are identified correctly (in the case of Renaissance scans, the colors need to be identified exactly as created by the scanner operator).

   Note: If the color information is not readily available, you may need to use a PostScript editor (for example, BBEdit) to look at the PostScript file for color descriptions.
4. Save the new graphic as a 1-up ArtPro file.

Setting Up Your 1-Up Job

When stepping files into a CAD dieline, ArtPro positions the graphics in the multi-up dieline by matching the center of the 1-up job to the centers of the 1-up dies. The center of the 1-up graphic is calculated as the center of the 1-up ArtPro job size. Therefore, the job size must be fitted to the extremes of the 1-up dieline.

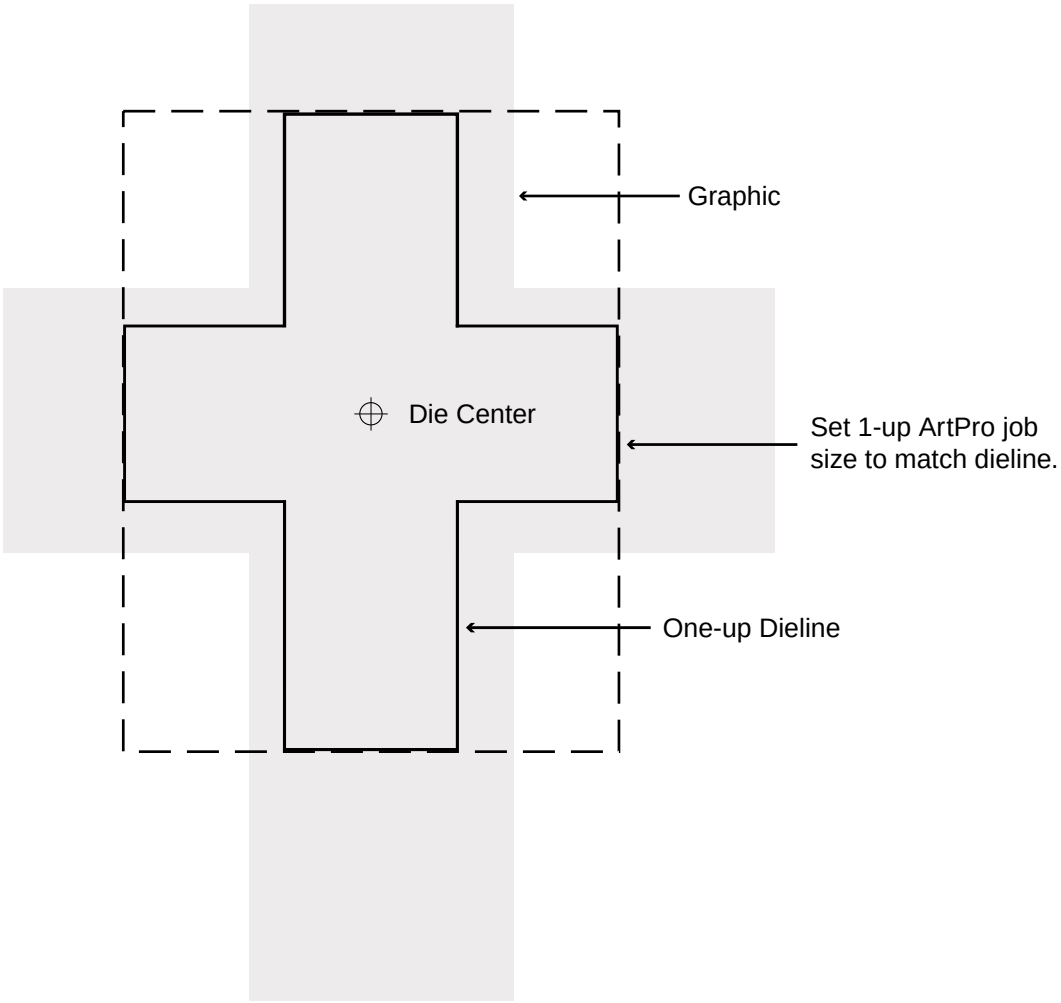


Figure 26: Matching Job Size to Dieline

When stepping files in tabular mode, the ArtPro 1-up job size should be set to include the extremes of the artwork. For convenience, ArtPro can automatically set job size to an item's visible objects.

Setting Up 1-Up Job Size

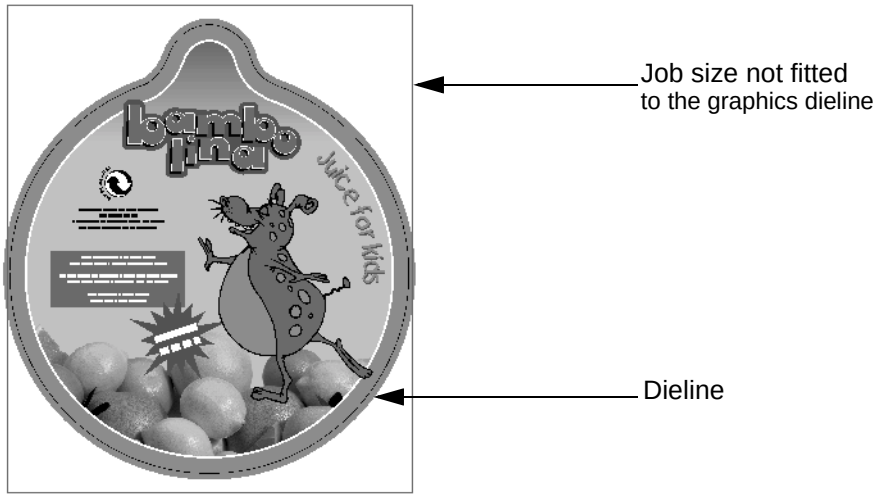


Figure 27: Generic Job

To set up 1-up job size:

1. Press ⌘-3 to hide all objects that do not represent the extremities of the 1-up dielines in CFF2 mode or of your 1-up artwork in tabular mode.

   Alternatively, you can:

   a. Select the **Select-All** option.

   b. Press SHIFT-CLICK on the dieline.

   c. Press ⌘-3 to hide all objects except the dieline.

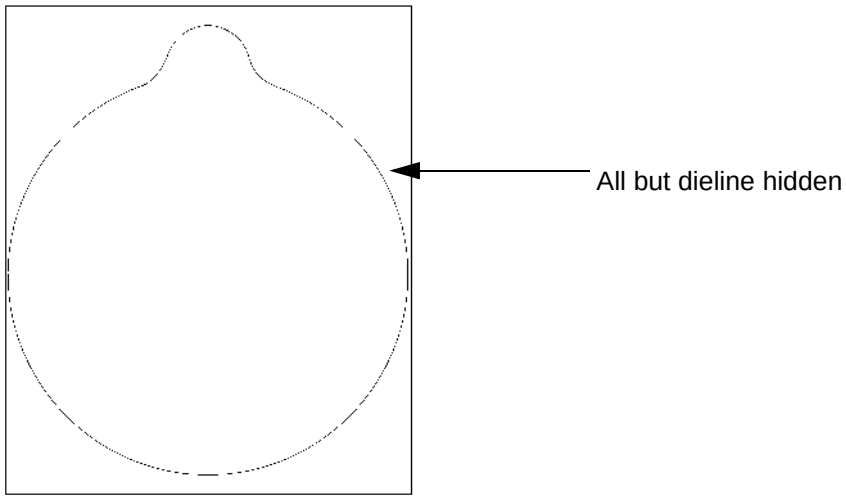


Figure 28: Generic Job With Only the Extremities Selected

2. From the **File** menu, select **Job Size** (⌘-spacebar).

   The Job Size dialog box is displayed.

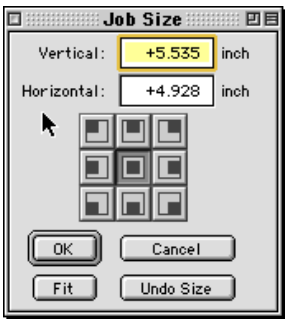


Figure 29: Job Size Dialog Box

3. Click **Fit**.
4. Close the Job Size dialog box.
5. Press ⌘-4.

   Or:

   From the **Arrange** menu, select **Show** to show all.

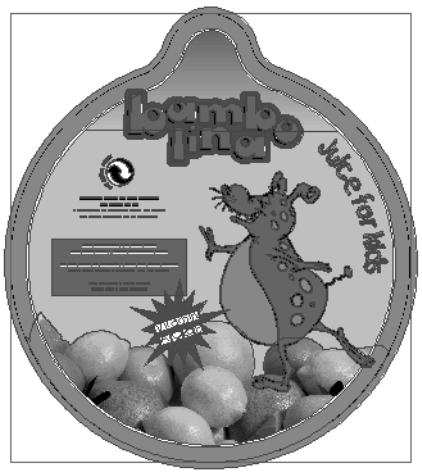


Figure 30: Generic Job With Job Fit to Dieline

6. Save your graphic as an 1-up ArtPro file and give it a unique file name.

   For soft proofing, from the **File** menu, select **With preview** before saving.

   Note: Windows NT and some applications do not function well when you use illegal characters in a file name. Many applications are becoming more tolerant, but it is recommended that Macintosh users refrain from using spaces, backslashes, forward slashes, *, :, etc. and limit names to letters, numbers, hyphens, underscores, and one period per name. In the long term, this makes it easier for Windows File Manager or Explorer to find files.

Setting Custom Job Sizes

ArtPro 4.99 allows you to define custom job sizes by editing the “jobsizes.example” file located in the ArtPro/Extensions folder. You can define custom job sizes that appear in the Job Size pull down menu in the Job Size window.

To create custom job sizes:

1. In the ArtPro/Extensions folder, locate the file: "jobsizes.example."
2. Remove the ".example" at the end of the filename so that it just reads "jobsize."
3. Open the file with a hex editor application like BBEdit or Wordpad.

   A list of existing job sizes are displayed in this file.
4. Follow the syntax of the existing sizes to define the new ones. Give each size a new name and enter the desired dimensions.
5. Save the file.
6. Restart ArtPro.

The new size entered will be available from the Job Size pull down menu in the Job Size dialog box.

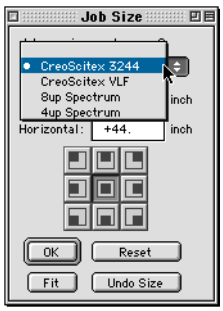


Figure 31: Job Size Dialog Box

WORKFLOW OPTIONS

There are several CreoScitex workflow options you can use with ArtPro, each with different requirements and advantages. When the artwork is ready (after placement, editing, trapping, and optional stepping), you print using **Creo (layout**) or **Custom Imagesetter** as the device type.

General consideration for all workflows:

- Your Step and Repeat ArtPro file will have a job size equal to the plate size. Your artwork needs to be positioned according to your prepress standards by taking into account the plate bend, gripper, and bleed area. It may be helpful to measure from the edge of the plate to the first knife.

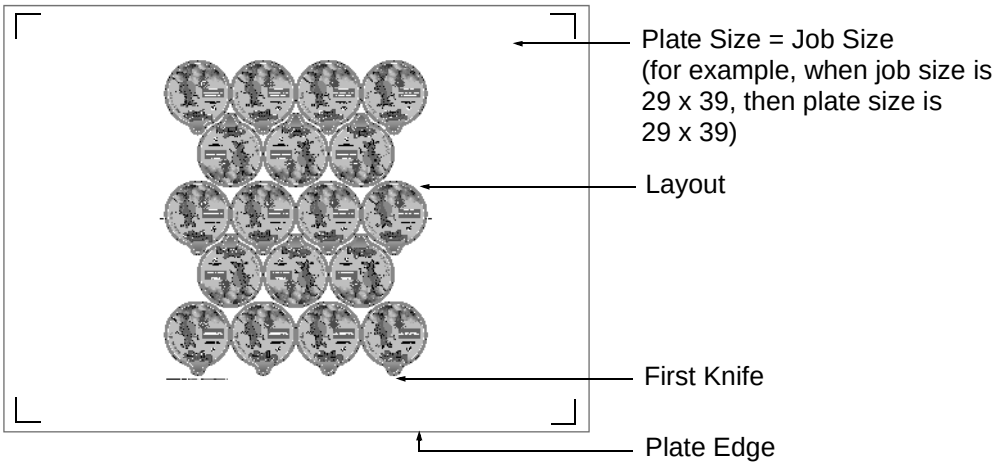


Figure 32: Plate Layout

Note: You can add the press sheet size during Step and Repeat by temporarily job sizing to the press sheet size, generating marks, then selecting unfit to go back to the job size equal to the plate size.

Under **Chooser**, select the appropriate CreoScitex PPD file with your Laserwriter 8.4.1 or later.

Note: If you use Mac OS 8.6, select Laserwriter 8.6.5 for best results. If you use Mac OS 9, select Laserwriter 8.61 for best results.

- Use OPI whenever possible unless your graphics are simple and very small (less than 0.5 MB in size and not repeated more than 20 or 30 times on a sheet).
- In order for OPI to work on a CreoScitex Server where InterSep OPI acts as a stand-alone OPI, you must select the **Match Image Name** check box in your queue setup. The **Nested** check box must also be selected if you use the DCS and TIFF-based OPI workflow. For more information, see *Setting Up the Printer* on page 11.
- If you are working with PlateMaster 1.2E, you need to use the Preps standard naming convention. For a full description of Preps naming conventions, see the *PlateMaster User Guide*.
- If you are working with PS-to-Press/CEPS-to-Press, refer to the technical bulletin, *ArtPro to PS-to-Press Workflow (78-0028)* for information on how to set up the

registry for the appropriate OPI settings.

- If you intend to use files generated from ArtPro with Prinergy, please refer to *ArtPro to Prinergy Best Practices (78-0070A)* for an explanation and instructions on these two products.

PRINERGY OPI WORKFLOW

This workflow is designed to use OPI. It is recommended that all HiRes TIFF files and DCS files for a job be saved in a common folder. A chunky DCS set (the **Omit TIFF Data** check box is selected) is generated. This results in better performance and faster printing time for the DCS file from the Power Macintosh.

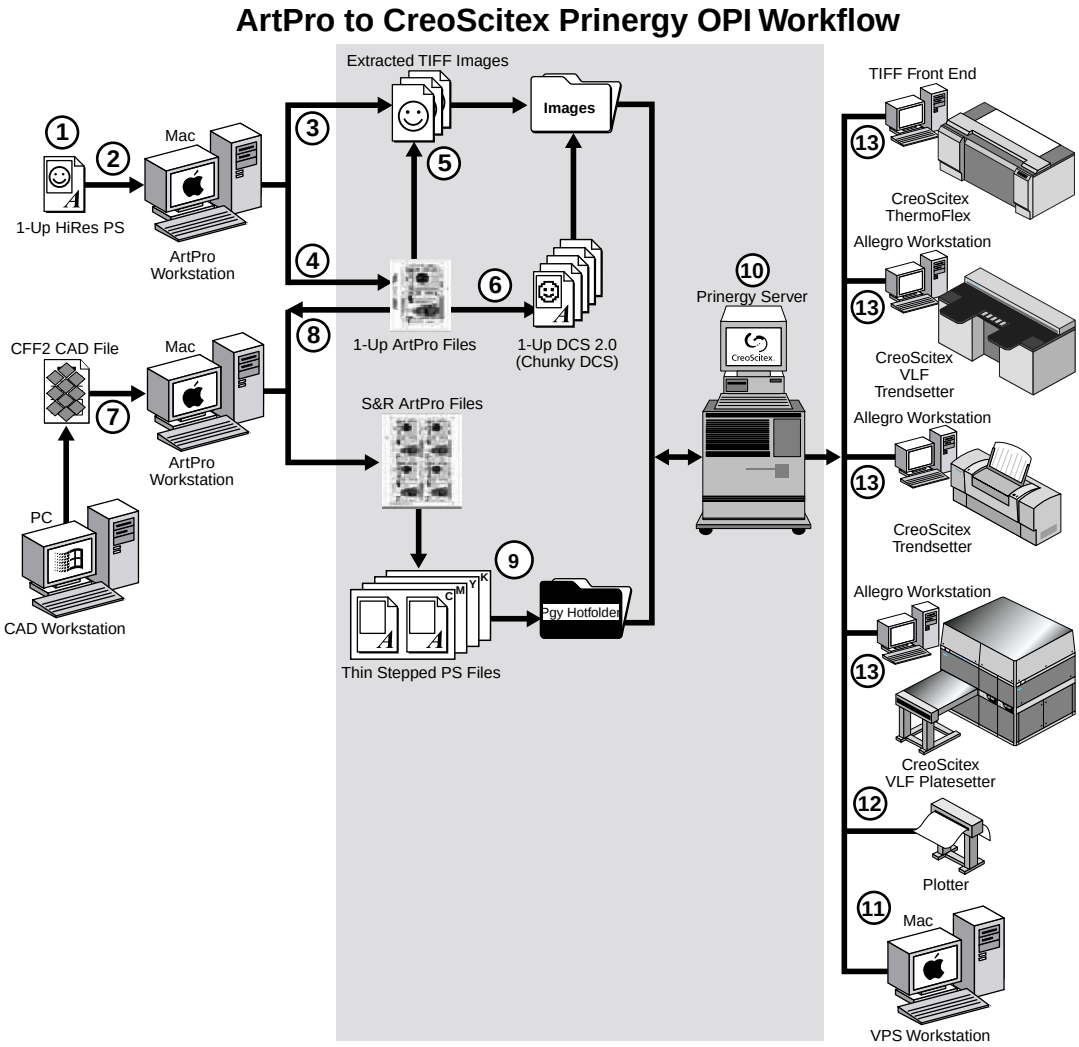


Figure 33: Prinergy OPI Workflow

The following steps describe the Prinergy OPI workflow:

1. A desktop application prints 1-up HiRes PostScript or EPS file.
2. The 1-up HiRes PostScript file is imported into ArtPro and then converted to the ArtPro internal format.

3. While importing the PostScript, ArtPro extracts and saves all contone images as TIFF files, and then prompts you for the location for saving the TIFF files.

   Note: Place files into the **Images** folder of the job on the Prinergy server.

4. The converted graphics in ArtPro are saved as a 1-up ArtPro file.
5. While saving the file, links are made between the extracted TIFF images and the 1-up ArtPro file.
6. Using the **DCS-2 (single file)** device type option, the 1-up HiRes DCS file is saved to an **Images** folder on the Prinergy server.
7. The 1-up ArtPro file is stepped using the **Tabular**, **Nested**, **Interactive**, or **Automatic** method.
8. The new ArtPro Step and Repeat layout is saved for future use.
9. Using the **Generic Imagesetter** device type option, a thin stepped PostScript file with the **Replace Placed ArtPro by OPI** check box selected is printed to a hot folder on the Prinergy server.
10. Prinergy builds the stepped file by swapping the OPI comments for the 1-up DCS file and the extracted TIFF images during the first refine. A variety of proofs can be generated.
11. Preview files are viewed on the Macintosh worksation with VPS.
12. Plotter proofs can be output to supported devices using the Color Combiner..
13. Once proofing cycles are complete, the file can be output to any CreoScitex output device.

Printing the 1-up DCS File (DCS-2 Single File)

Before printing the 1-up DCS file **DCS-2 (single file)**, you need to generate your 1-up artwork by either importing the 1-up artwork or creating the artwork in ArtPro. If your job requires editing, optimizing, or trapping, you need to perform these actions before saving your artwork and saving the 1-up DCS file. For more information on generating the artwork, see *Setting Up Your ArtPro Job* on page 18 and your *ArtPro 4.5 Manual*.

Printing the 1-up DCS File

To save the 1-up DCS file:

1. From the **File** menu, select **Print**.

   The ArtPro Print dialog box opens.

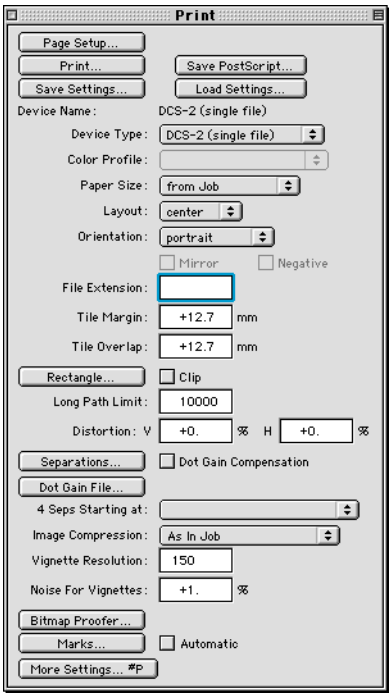


Figure 34: Print Dialog Box

2. Do the following:
   - From the **Device Type** box, select **DCS-2 (single file)**.
   - From the **Paper Size** box, select **from Job**.
   - From the **Layout** box, select **center**.
   - From the **Orientation** box, select **portrait**.

3. Click **More Settings**.

   The Print Settings dialog box opens.

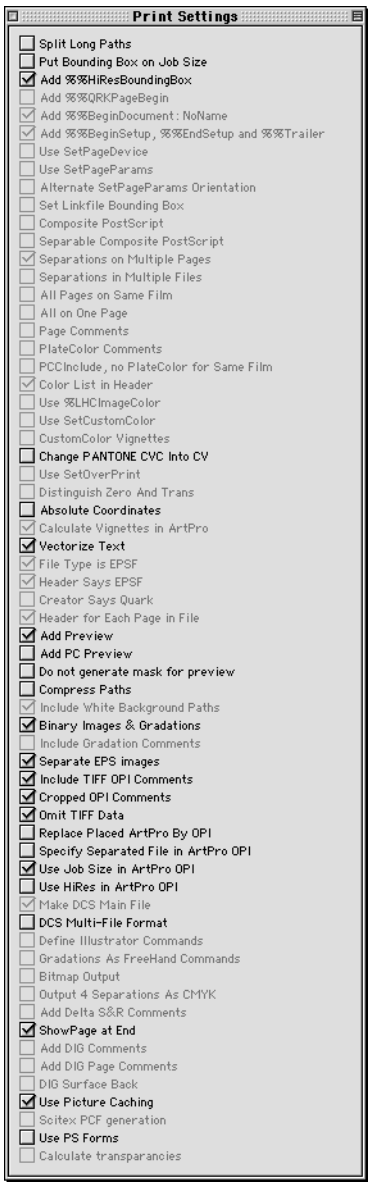


Figure 35: Print Settings Dialog Box

4. Select the following check boxes:
   - **Vectorize Text**
   - **Include TIFF OPI Comments**
   - **Cropped OPI Comments**
   - **Omit TIFF Data**
   - **Use Job Size in ArtPro OPI**
   - **Use Picture Caching**
5. Verify that the settings on screen match Figure 54 exactly.

6. Click **Save PostScript**.

   The Save PostScript dialog box opens.

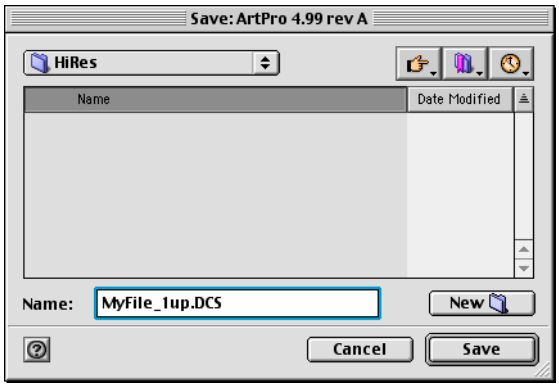


Figure 36: Save PostScript Dialog Box

7. Select the **Images** folder on the Prinergy Server.

   Note: It is important to keep the same source name for the 1-up files. Do not change the file name that appears in the **Save As** box. ArtPro automatically adds the DCS extension to the file. Using **DCS-2 (single file)** output, ArtPro creates a single DCS file.

8. Click **Save**.

Selecting the Stepping Method

To select a stepping method:

1. From the **File** menu, select **Step & Repeat**, then either **Nesting**, **Tabular, Automatic**, or **Interactive**.

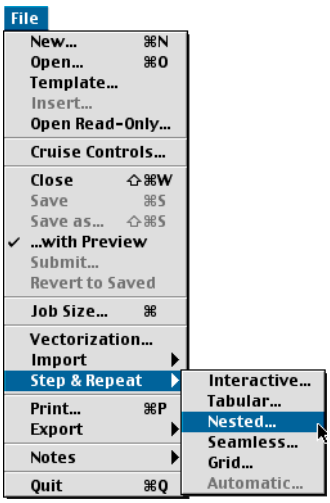


Figure 37: Step and Repeat Options Under the File Menu

2. Follow the procedures for each technique, using your 1-up ArtPro internal file for positioning.

   For more information on Step and Repeat, see your *ArtPro 4.5 Manual*, *ArtPro 4.99 Release Notes*, and *ArtPro to CreoScitex Connectivity Release Notes*.

3. Save this layout in ArtPro internal format for future use, if required.

Printing the Layout (Generic Imagesetter)

To print the layout:

1. Open the Step and Repeat file that you created.
2. From the **File** Menu, select **Print**.

   The ArtPro Print dialog box opens.

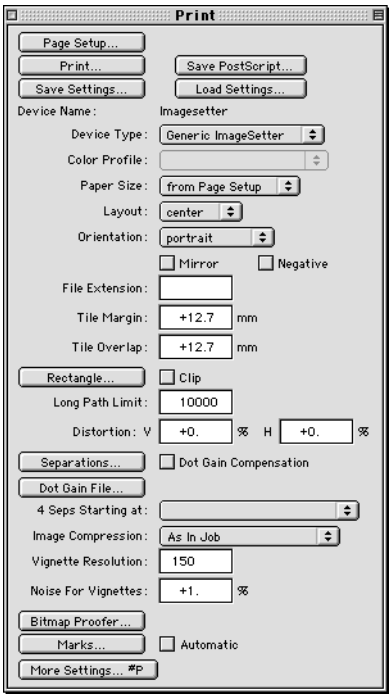


Figure 38: Print Dialog Box

3. Do the following:
   - From the **Device Type** box, select **Generic Imagesetter**.
   - From the **Paper Size** box, select **from Page Setup**.
   - From the **Layout** box, select **center**.
   - From the **Orientation** box, select **portrait**.
4. Clear the following check boxes:
   - **Dot Gain Compensation**
   - **Automatic**

5. Refer to *Defining the Page Setup* on page 11 for more specific instructions on how to define the plate size and extra PostScript options.
6. In the Print dialog box, click **Separations**.

   The Output Separations dialog box opens.

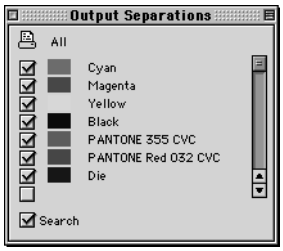


Figure 39: Output Separations Dialog Box

7. Select the check boxes beside the colors you want to print.

8. In the Print dialog box, click **More Settings**.

   The Print Settings dialog box opens.

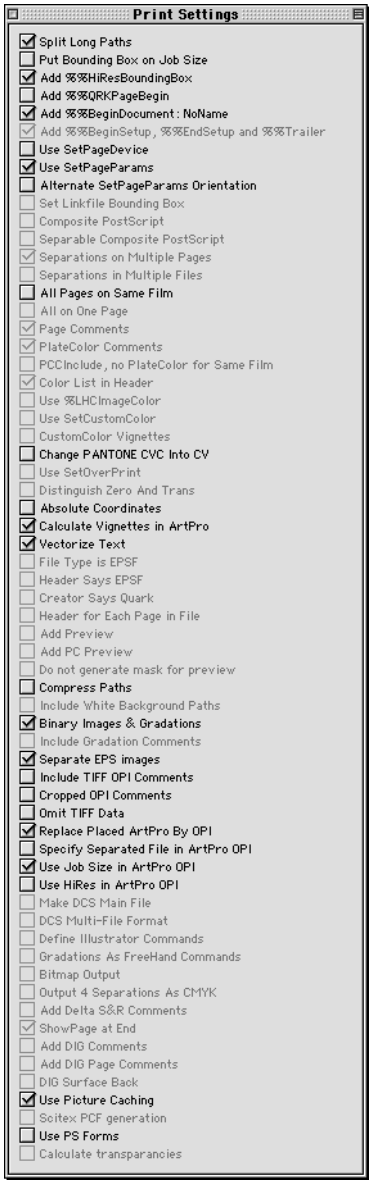


Figure 40: Print Settings Dialog Box

9. Select the following check boxes:
   - **Vectorize Text**
   - **Replace Placed ArtPro by OPI**
   - **Use Job Size in ArtPro OPI**
   - **Use Picture Caching**

   Note: The **Replace Placed ArtPro By OPI** check box instructs the PostScript output engine to include OPI comments in the stepped PostScript file. These comments refer to the 1-up DCS file you previously saved and placed into the **Images** folder of your job.

10. Clear the **Include TIFF OPI Comments** check box.

11. Click **Print**.

    Refer to *Defining the Printer Settings* on page 12 for more specific information on defining the printer settings.

12. Click **Save**.

    The Save dialog box opens.

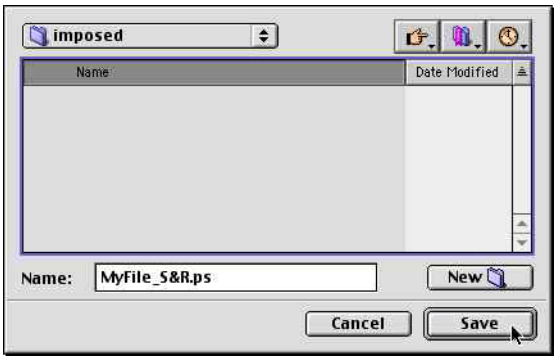


Figure 41: Save Dialog Box

13. Specify a filename and destination for the PostScript output.

    Note: The PostScript created is preseparated, not a fully separated file.

PRINERGY HIRES WORKFLOW

This workflow is designed for jobs with relatively small (vector data) file sizes, jobs that do not use OPI, for large format 1-ups that will not benefit from OPI, or for troubleshooting purposes.

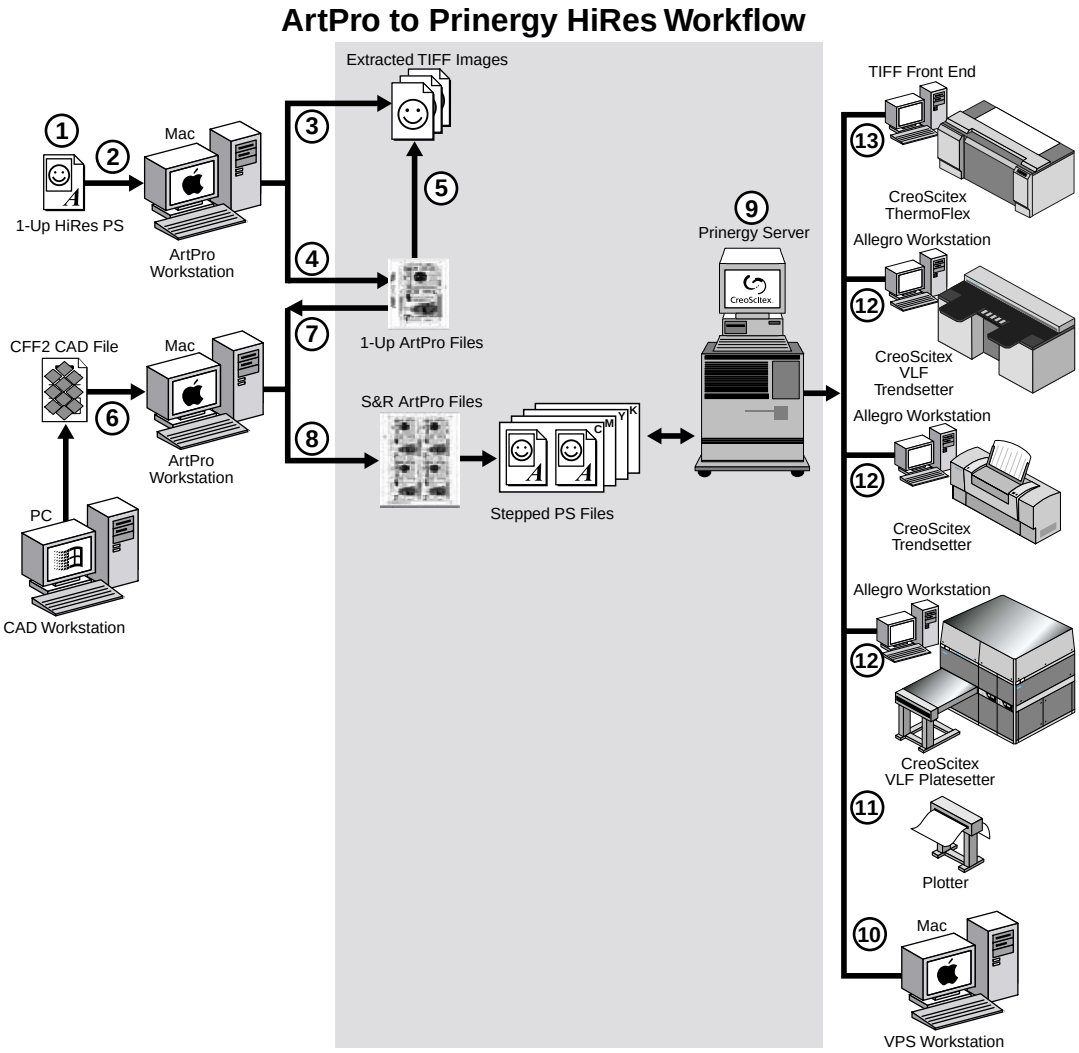


Figure 42: Prinergy HiRes Workflow

The following steps describe the Prinergy high-resolution (HiRes) workflow:

1. A desktop application prints a 1-up HiRes PostScript file.
2. The 1-up HiRes PostScript file is imported into ArtPro and then converted to the ArtPro internal format.

3. While importing the PostScript, ArtPro extracts and saves all images as TIFF files, and then prompts you for the location for saving the TIFF files.

   Note: Files are saved on the local machine.

4. The converted graphics in ArtPro are saved as a 1-up ArtPro file.
5. While saving the file, links are made between the extracted TIFF images and the 1-up ArtPro file.
6. The 1-up ArtPro file is stepped using the Nested, Tabular, Interactive, or Automatic method.
7. The new ArtPro Step and Repeat layout is saved for future use.
8. Using the **Generic Imagesetter** device type option, HiRes stepped PostScript file is printed to a hot folder on the Prinergy Server. No OPI comments are selected in ArtPro.
9. The HiRes stepped PostScript files are refined in Prinergy, and a variety of proofs can be generated.
10. Preview files are viewed on the Macintosh workstation with VPS.
11. Plotter proofs can be output to supported devices using the Color Combiner.
12. Once proofing cycles are complete, the file can be output to any CreoScitex output device.

Creating 1-Up HiRes File

To create a 1-up HiRes file:

1. Import your HiRes PostScript file and save with preview as your 1-up ArtPro file.
2. Make sure that your 1-up has been centered to the dieline as indicated in *Setting Up Your 1-Up Job* on page 23.

Choosing the Stepping Method

To choose a stepping method:

1. From the **File** menu, select **Step & Repeat**, and then either **Nesting, Tabular, Automatic**, or **Interactive**.

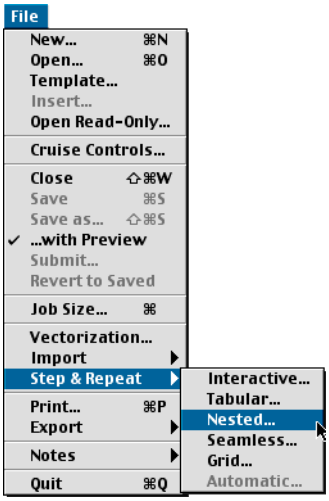


Figure 43: Step and Repeat Options From the File Menu

2. Follow the procedures for each technique, using your 1-up ArtPro file for positioning.

   For more information on Step and Repeat, see your *ArtPro 4.5 Manual* or the *ArtPro to CreoScitex Connectivity Release Notes*.

3. Save this Step and Repeat layout in ArtPro internal format for future use.

Printing the Layout (Generic Imagesetter)

To print the layout:

1. From the **File** Menu, select **Print**.

   The ArtPro Print dialog box opens.

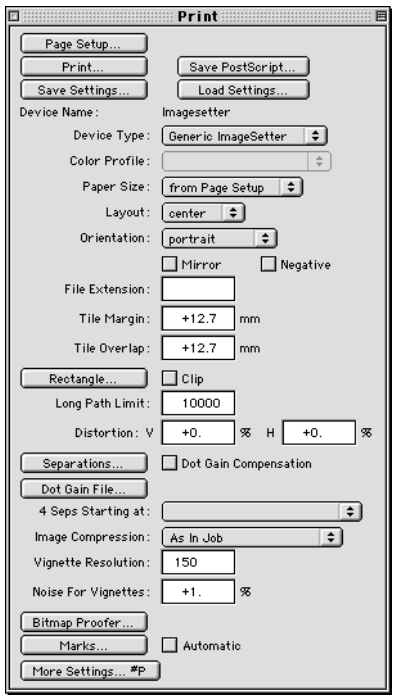


Figure 44: Print Dialog Box

2. Do the following:
   - From the **Device Type** box, select **Generic Imagesetter**.
   - From the **Paper Size** box, select **from Page Setup**.
   - From the **Layout** box, select **center**.
   - From the **Orientation** box, select **portrait**.
3. Clear the following boxes:
   - **Dot Gain Compensation**
   - **Automatic**
4. Refer to *Defining the Page Setup* on page 11 for more specific instructions on how to define the plate size and PostScript options.

5. In the Print dialog box, click **Separations**.

   The Output Separations dialog box opens.

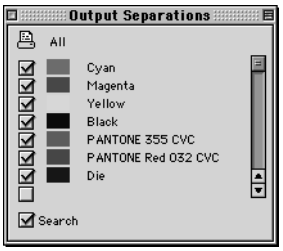


Figure 45: Output Separations Dialog Box

6. Select the check boxes beside the colors you want to print.

7. In the Print dialog box, click **More Settings**.

   The Print Settings dialog box opens.

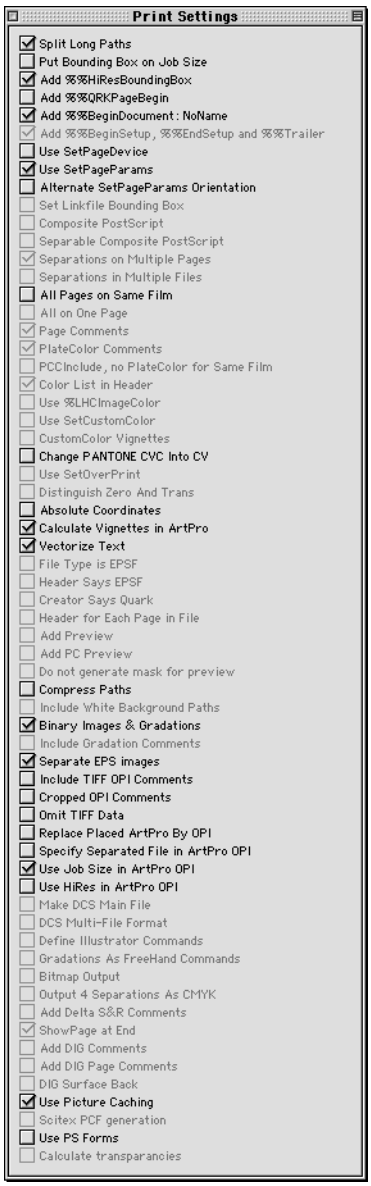


Figure 46: Print Settings Dialog Box

8. Clear the following check boxes:
   - **Include TIFF OPI Comments**
   - **Cropped OPI Comments**
   - **Omit TIFF Data**
   - **Replace Placed ArtPro By OPI**
9. Select the **Use Picture Caching** check box.
10. Click **Print**.

    Refer to *Defining the Printer Settings* on page 12 for more specific information on defining the printer settings.
11. Click **Save**.

    The Save dialog box opens.

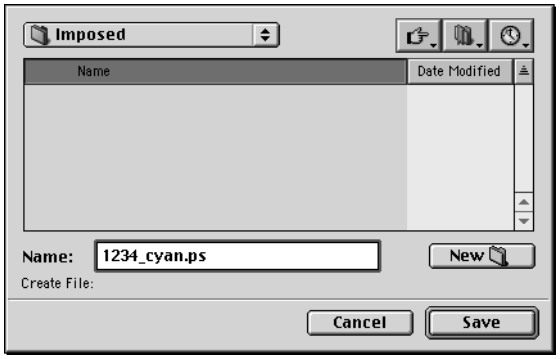


Figure 47: Save Dialog Box

12. Specify a file name and destination for the PostScript output.

    Note: The files created using the Prinergy HiRes Workflow can be used for proofing on the Spectrum. It is not necessary to create a separate set of files as long as your PostScript will fit on a Spectrum proof.

BRISQUE PCF WORKFLOW

In this workflow, the 1-up file is prepped in ArtPro (imported, edited, trapped, and job sized), stepped in an ArtPro step and repeat module, then a Packaging Control File (PCF) of the stepped flat is output. This file is then RIPed on the Brisque using the PCF RIP option of Brisque Extreme Pack and output to hard or soft proofs, or final output.

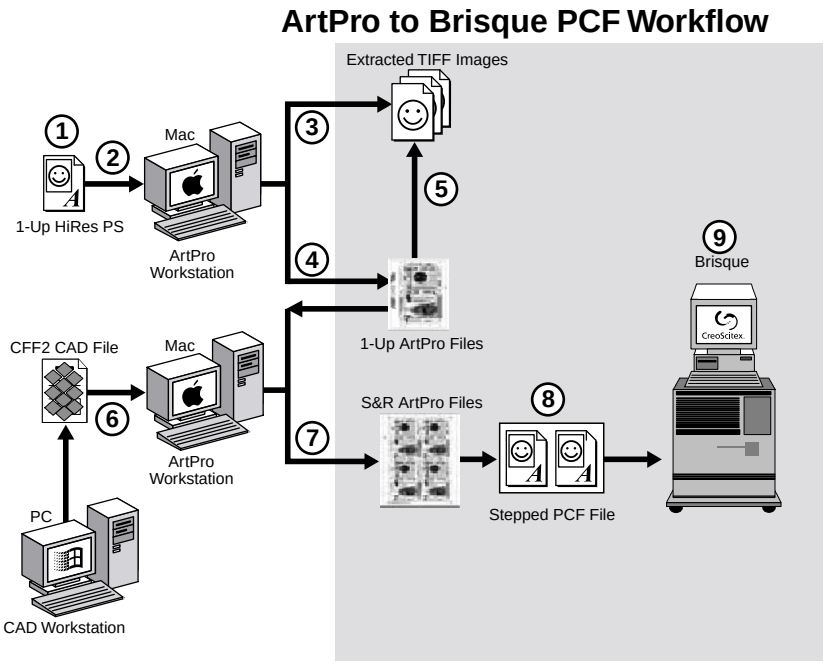


Figure 48: ArtPro to Brisque PCF Workflow

The following steps describe the Brisque PCF workflow:

1. A desktop application prints a 1-up high resolution (HiRes) PostScript file.
2. The 1-up HiRes PostScript file is imported into ArtPro and then converted to the ArtPro internal format.
3. While importing the PostScript, ArtPro extracts and saves all images as TIFF files, and then prompts you for the location for saving the TIFF files.
4. The converted graphics in ArtPro are saved as a 1-up ArtPro file.
5. While saving the file, links are made between the extracted TIFF images and the 1-up ArtPro file.
6. The 1-up ArtPro file is stepped using the Nested, Tabular, Interactive, or Automatic method.
7. The new ArtPro Step and Repeat layout is saved for future use.
8. Using the **Scitex PCF** device type option, HiRes stepped PostScript file is printed to a hot folder on the Brisque Server.

9. The HiRes stepped PostScript files are RIPed on the Brisque, and a variety of proofs can be generated.
10. Once proofing cycles are complete, the file can be output to any CreoScitex output device.

Creating 1-Up HiRes File

To create a 1-up HiRes file:

1. Import your HiRes PostScript file and save with preview as your 1-up ArtPro file.
2. Make sure that your 1-up has been centered to the dieline as indicated in *Setting Up Your 1-Up Job* on page 23.

Choosing the Stepping Method

To choose a stepping method:

1. From the **File** menu, select **Step & Repeat**, and then either **Nesting, Tabular, Automatic**, or **Interactive**.

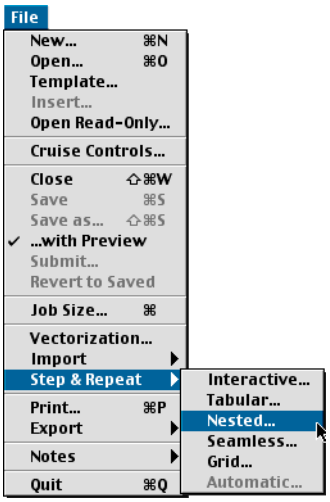


Figure 49: Step and Repeat Options From the File Menu

2. Follow the procedures for each technique, using your 1-up ArtPro file for positioning.

   For more information on Step and Repeat, see your *ArtPro 4.5 Manual* or the *ArtPro to CreoScitex Connectivity Release Notes*.
3. Save this Step and Repeat layout in ArtPro internal format for future use.

Printing the Layout (Scitex PCF)

To print the layout:

1. From the **File** Menu, select **Print**.

   The ArtPro Print dialog box opens.

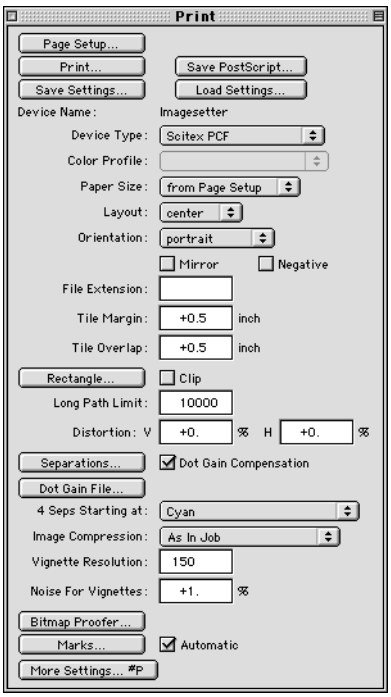


Figure 50: Print Dialog Box

2. Do the following:
   - From the **Device Type** box, select **Scitex PCF**.
   - From the **Paper Size** box, select **from Page Setup**.
   - From the **Layout** box, select **center**.
   - From the **Orientation** box, select **portrait**.
3. Clear the following boxes:
   - **Dot Gain Compensation**
   - **Automatic**
4. Refer to *Defining the Page Setup* on page 11 for more specific instructions on how to define the plate size and PostScript options.

5. In the Print dialog box, click **Separations**.

   The Output Separations dialog box opens.

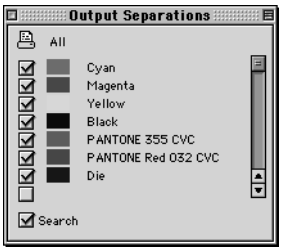


Figure 51: Output Separations Dialog Box

6. Select the check boxes beside the colors you want to print.

7. In the Print dialog box, click **More Settings**.

   The Print Settings dialog box opens.

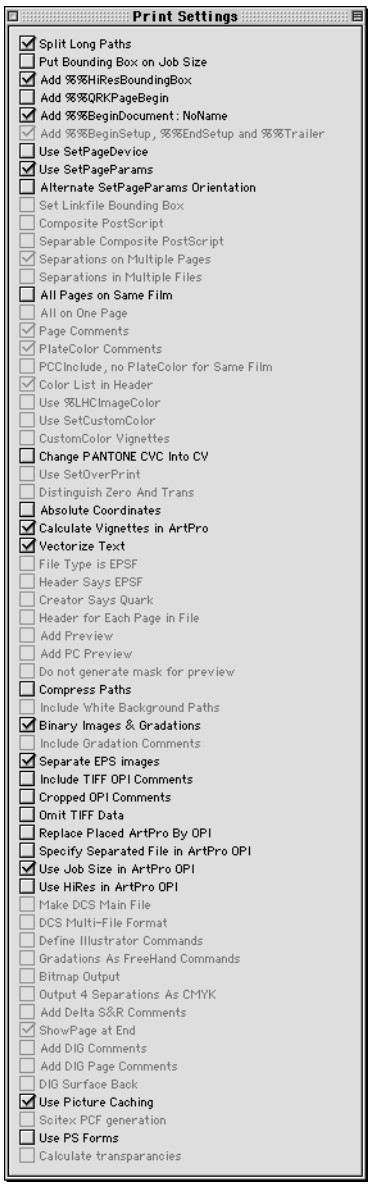


Figure 52: Print Settings Dialog Box

8. Clear the following check boxes:
   - **Include TIFF OPI Comments**
   - **Cropped OPI Comments**
   - **Omit TIFF Data**
   - **Replace Placed ArtPro By OPI**
9. Select the **Use Picture Caching** check box.
10. Click **Print**.

    Refer to *Defining the Printer Settings* on page 12 for more specific information on defining the printer settings.
11. Click **Save**.

    The Save dialog box opens.

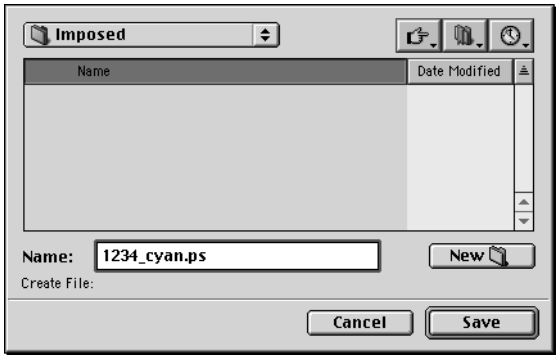


Figure 53: Save Dialog Box

12. Specify a file name and destination for the PostScript output.

BRISQUE LRS WORKFLOW

In this workflow, the 1-up file is prepped in ArtPro (imported, edited, trapped, and job sized), and a DCS 2.0 single file is generated and RIPed on the Brisque. A low resolution EPS is generated and used as a proxy file for step and repeat in ArtPro, using PowerStepper. For final output of the flat, a Quark Separable EPS is printed from ArtPro and RIPed on the Brisque.

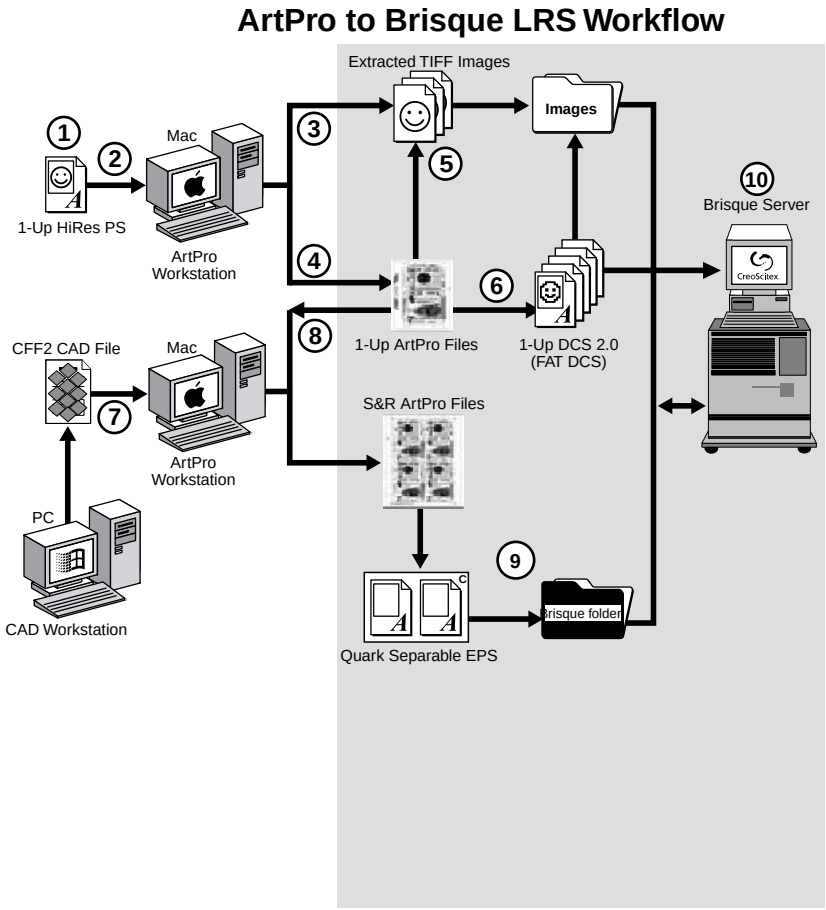


Figure 54: ArtPro to Brisque LRS Workflow

The following steps describe the ArtPro to Brisque LRS workflow:

1. A desktop application prints a 1-up high resolution (HiRes) PostScript file.
2. The 1-up HiRes PostScript file is imported into ArtPro and then converted to the ArtPro internal format.
3. While importing the PostScript, ArtPro extracts and saves all images as TIFF files, and then prompts you for the location for saving the TIFF files.
4. The converted graphics in ArtPro are saved as a 1-up ArtPro file.
5. While saving the file, links are made between the extracted TIFF images and the 1-up ArtPro file.

6. Using the **DCS-2 (single file)** device type option, the 1-up HiRes DCS file is saved and RIPed to CT/LW on the Brisque server.
7. The 1-up ArtPro file is stepped using the **Tabular**, **Nested**, **Interactive**, or **Automatic** method using the low resolution EPS file.

   Note: It is critical that the 1-up artwork is correctly centered in the EPS file in order to be stepped.
8. The new ArtPro Step and Repeat layout is saved for future use.
9. Using the **Quark Separable EPS** device type option, a thin stepped PostScript file with the **Replace Placed ArtPro by OPI** check box selected is printed to a hot folder on the Brisque server.
10. Brisque builds the stepped file by swapping the OPI comments for the 1-up DCS file and the extracted TIFF images during the first refine. A variety of proofs can be generated.
11. Once proofing cycles are complete, the file can be output to any CreoScitex output device.

Printing the 1-up DCS File (DCS-2 Single File)

Before printing the 1-up DCS file **DCS-2 (single file)**, you need to generate your 1-up artwork by either importing the 1-up artwork or creating the artwork in ArtPro. If your job requires editing, optimizing, or trapping, you need to perform these actions before saving your artwork and saving the 1-up DCS file. For more information on generating the artwork, see *Setting Up Your ArtPro Job* on page 18 and your *ArtPro 4.5 Manual*.

Printing the 1-up DCS File

To save the 1-up DCS file:

1. From the **File** menu, select **Print**.

   The ArtPro Print dialog box opens.

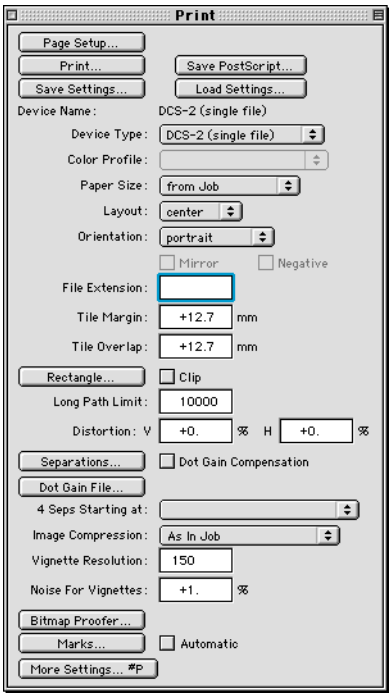


Figure 55: Print Dialog Box

2. Do the following:
   - From the **Device Type** box, select **DCS-2 (single file)**.
   - From the **Paper Size** box, select **from Job**.
   - From the **Layout** box, select **center**.
   - From the **Orientation** box, select **portrait**.

3. Click **More Settings**.

   The Print Settings dialog box opens.

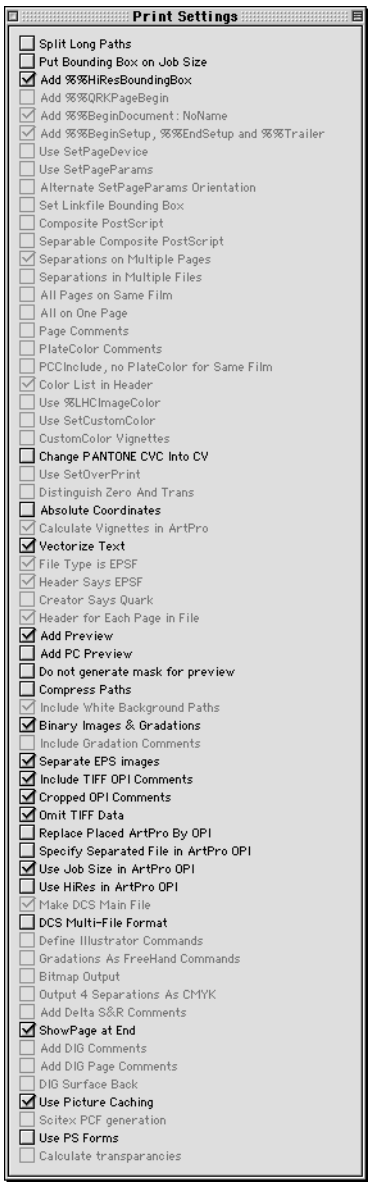


Figure 56: Print Settings Dialog Box

4. Select the following check boxes:
   - **Vectorize Text**
   - **Include TIFF OPI Comments**
   - **Cropped OPI Comments**
   - **Omit TIFF Data**
   - **Use Job Size in ArtPro OPI**
   - **Use Picture Caching**
5. Verify that the settings on screen match Figure 54 exactly.

6. Click **Save PostScript**.

   The Save PostScript dialog box opens.

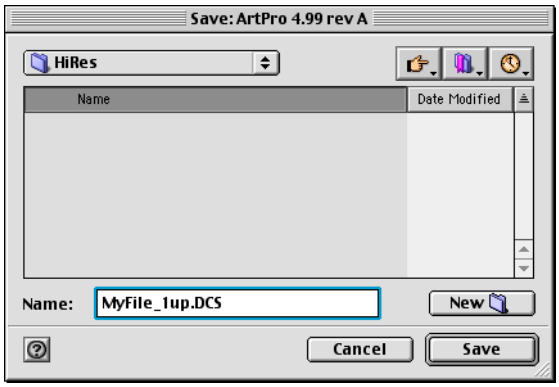


Figure 57: Save PostScript Dialog Box

7. Select the **Images** folder on the Prinergy Server.

   Note: It is important to keep the same source name for the 1-up files. Do not change the file name that appears in the **Save As** box. ArtPro automatically adds the DCS extension to the file. Using **DCS-2 (single file)** output, ArtPro creates a single DCS file.

8. Click **Save**.

Selecting the Stepping Method

To select a stepping method:

1. From the **File** menu, select **Step & Repeat**, then either **Nesting**, **Tabular, Automatic**, or **Interactive**.

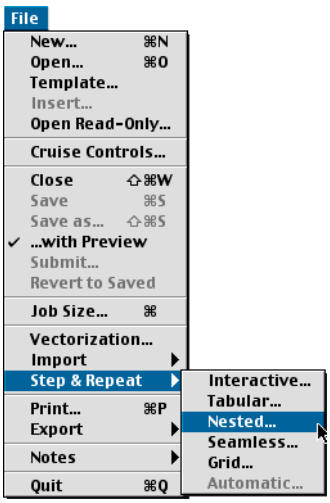


Figure 58: Step and Repeat Options Under the File Menu

2. Follow the procedures for each technique, using your 1-up ArtPro internal file for positioning.

   For more information on Step and Repeat, see your *ArtPro 4.5 Manual*, *ArtPro 4.99 Release Notes*, and *ArtPro to CreoScitex Connectivity Release Notes*.

3. Save this layout in ArtPro internal format for future use, if required.

Printing the Layout (Quark Separable EPS)

To print the layout:

1. Open the Step and Repeat file that you created.
2. From the **File** Menu, select **Print**.

   The ArtPro Print dialog box opens.

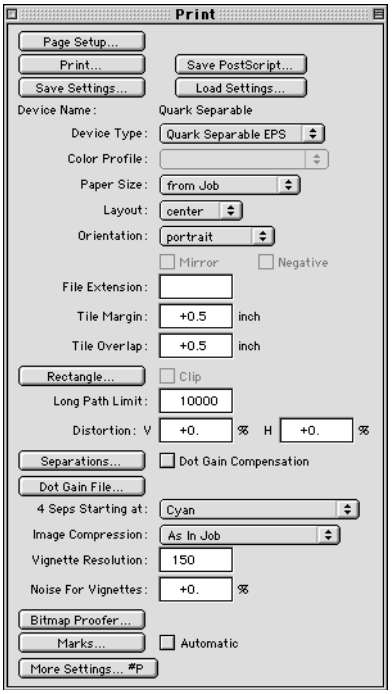


Figure 59: Print Dialog Box

3. Do the following:
   - From the **Device Type** box, select **Quark Separable EPS**.
   - From the **Paper Size** box, select **from Page Setup**.
   - From the **Layout** box, select **center**.
   - From the **Orientation** box, select **portrait**.
4. Clear the following check boxes:
   - **Dot Gain Compensation**
   - **Automatic**

5. Refer to *Defining the Page Setup* on page 11 for more specific instructions on how to define the plate size and extra PostScript options.
6. In the Print dialog box, click **Separations**.

   The Output Separations dialog box opens.

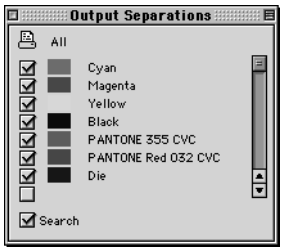


Figure 60: Output Separations Dialog Box

7. Select the check boxes beside the colors you want to print.

8. In the Print dialog box, click **More Settings**.

   The Print Settings dialog box opens.

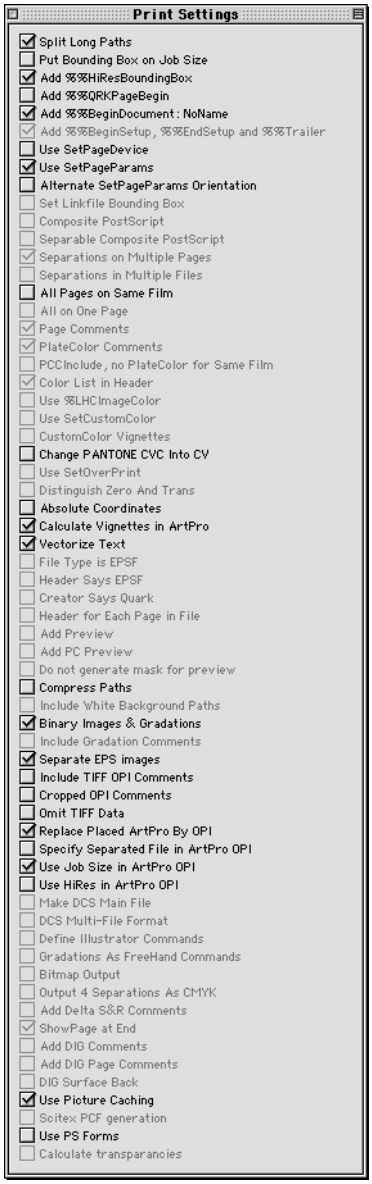


Figure 61: Print Settings Dialog Box

9. Select the following check boxes:
   - **Vectorize Text**
   - **Replace Placed ArtPro by OPI**
   - **Use Job Size in ArtPro OPI**
   - **Use Picture Caching**

   Note: The **Replace Placed ArtPro By OPI** check box instructs the PostScript output engine to include OPI comments in the stepped PostScript file. These comments refer to the 1-up DCS file you previously saved and placed into the **Images** folder of your job.

10. Clear the **Include TIFF OPI Comments** check box.

11. Click **Print**.

    Refer to *Defining the Printer Settings* on page 12 for more specific information on defining the printer settings.

12. Click **Save**.

    The Save dialog box opens.

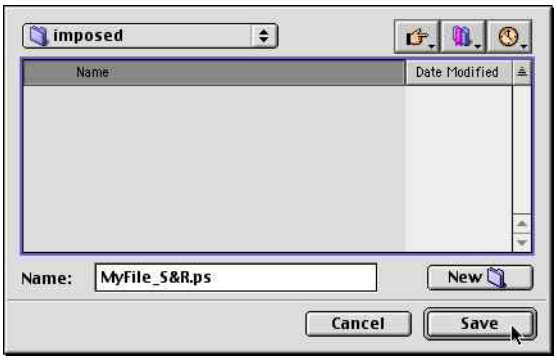


Figure 62: Save Dialog Box

13. Specify a filename and destination for the PostScript output.

iMPAct HiRes Workflow

This workflow is designed for jobs with relatively small (vector data) file sizes or jobs that do not use OPI or for large format 1-ups that will not benefit from OPI.

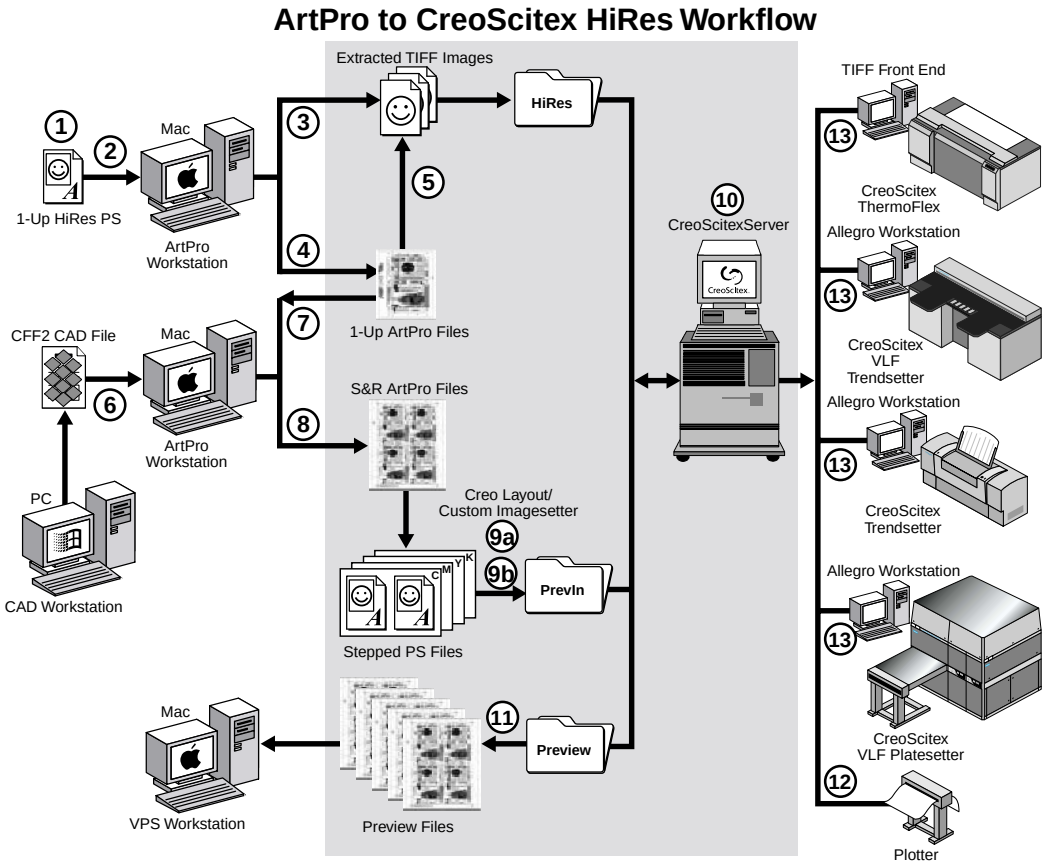


Figure 63: ArtPro to CreoScitex HiRes Workflow

The following steps describe the ArtPro to CreoScitex high-resolution (HiRes) workflow:

1. Your desktop application prints a 1-up HiRes PostScript file.
2. The 1-up HiRes PostScript file is imported into ArtPro and then converted to the ArtPro internal format.
3. While importing the PostScript, ArtPro extracts and saves all contone images as TIFF files, and then prompts you for the location for saving the TIFF files.

   Note: Place files into the **HiRes** folder of the job on the CreoScitex Server.
4. The converted graphics in ArtPro are saved as a 1-up ArtPro file.
5. While saving the file, links are made between the extracted TIFF images and the 1-up ArtPro file.
6. A CAD program generates a CFF2 or DDES dieline file for use in ArtPro.

7. In ArtPro, the 1-up ArtPro file is stepped and repeated to match a dieline (CFF2 or DDES file) or in tabular mode.
8. The new ArtPro Step and Repeat layout is saved for future use.
9. Using a specified device type option, the following files are printed:
   a. Using the **Creo (layout)** device type option, HiRes stepped PostScript files (one file for each color separation) are printed to a hot folder on the CreoScitex Server. No OPI comments are selected in ArtPro.
   b. Using the **Custom Imagesetter** device type option, a HiRes stepped PostScript file (one file for each color separation) is printed to a hot folder on the CreoScitex Server. No OPI components are selected in ArtPro.
10. The HiRes stepped PostScript files are delivered to the RIP to generate preview files for soft proofing.
11. Preview files are viewed on the Macintosh workstation with VPS.
12. Preview files are combined with Color Proofing System and sent to a plotter.
13. The HiRes stepped PostScript files are RIPed and sent to the CreoScitex output device.

TIP: In Figure 63 on page 60, the Macintosh workstations are depicted as three workstations. However, all the processes related to the Macintosh can be performed on one Macintosh with the required software loaded.

Note: For Prinergy workflows, please refer to the *ArtPro to Prinergy Best Practices (78-0070A)* technical bulletin.

Creating 1-Up HiRes File

To create a 1-up HiRes file:

1. Import your HiRes PostScript file and save with preview as your 1-up ArtPro file.
2. Make sure that your 1-up has been centered to the dieline as indicated in *Setting Up Your ArtPro Job* on page 18.

Choosing the Stepping Method

To choose a stepping method:

1. From the **File** menu, select **Step & Repeat**, and then either **Tabular**, **Nesting**, **Automatic**, or **Interactive**.

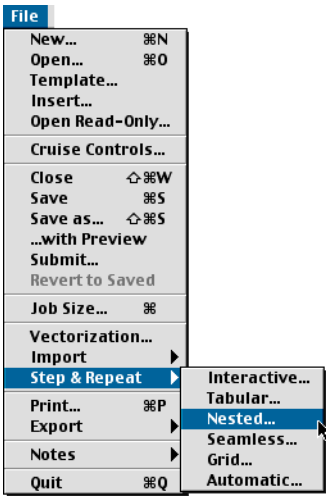


Figure 64: Step and Repeat Options From the File Menu

2. Follow the procedures for each technique, using your 1-up ArtPro file for positioning.

   For more information on Step and Repeat, see your *ArtPro 4.5 Manual* or the *ArtPro to CreoScitex Connectivity Release Notes*.

3. Save this Step and Repeat layout in ArtPro internal format for future use.

Printing the Layout (Creo Layout)

To print the layout:

1. From the **File** Menu, select **Print**.

   The ArtPro Print dialog box opens.

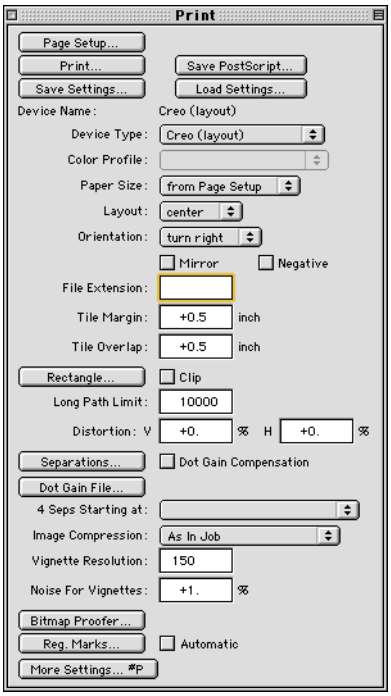


Figure 65: Print Dialog Box

2. Do the following:
   - From the **Device Type** box, select **Creo (layout)**.
   - From the **Paper Size** box, select **from Page Setup**.
   - From the **Layout** box, select **center**.
   - From the **Orientation** box, select **turn right**.
3. Refer to *Defining the Page Setup* on page 11 for more specific instructions on how to define the plate size and PostScript options.

4. In the Print dialog box, click **Separations**.

   The Output Separations dialog box opens.

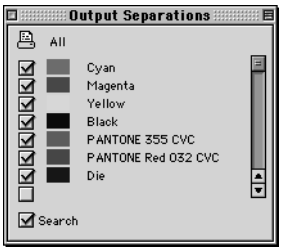


Figure 66: Output Separations Dialog Box

5. Select the check boxes beside the colors you want to print.

6. In the Print dialog box, click **More Settings**.

   The Print Settings dialog box opens.

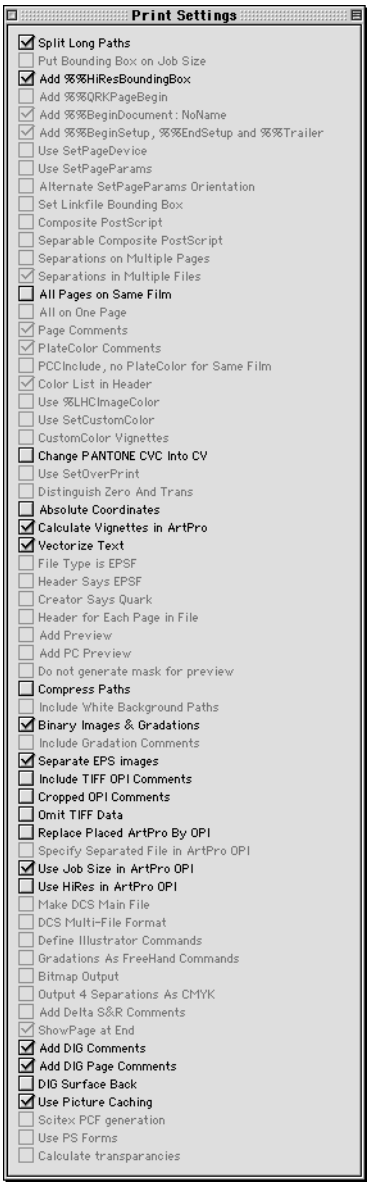


Figure 67: Print Settings Dialog Box

7. Clear the following check boxes:
   - **Include TIFF OPI Comments**
   - **Cropped OPI Comments**
   - **Omit TIFF Data**
   - **Replace Placed ArtPro By OPI**
8. Select the **Add DIG Comments** check box.
9. Click **Print**.

   Refer to *Defining the Printer Settings* on page 12 for more specific information on defining the printer settings.
10. Click **Save**.

    The Save dialog box opens.

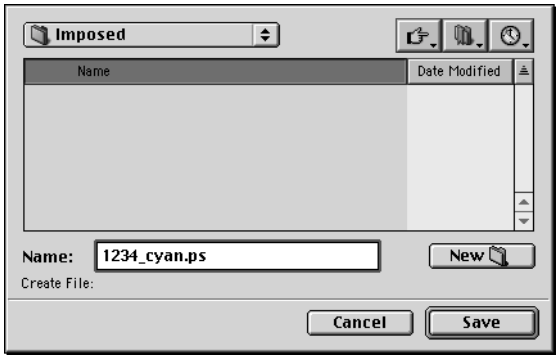


Figure 68: Save Dialog Box

11. Specify a file name and destination for the PostScript output.

    Creo (layout) conforms to separated workflow requirements. When you generate separated PostScript from ArtPro for use with PrintLink, you must use one of the following naming conventions:

    - job number_separation color name.ps

    Or:

    - docket number_separation color name.ps

    TIP: You must use consistent naming conventions for a job—that is, related to a separated PPF—so that the job is easily selected from the input basket. The PPF File Reader workstation can then identify which files belong together.

    Sample names for a job might be the following:

```
1234_cyan.ps
1234_magenta.ps
1234_yellow.ps
1234_black.ps
1234_spot1.ps
1234_spot2.ps
```

```
Or:

6390 c.ps
6390_m.ps
6390_y.ps
6390_k.ps
6390_spot1.ps
6390_spot2.ps
```

12. Repeat steps 10 and 11 until all colors are printed.

Once the Step and Repeat PostScript files have been printed to the **Imposed** folder of your job, you can then drag and drop the files into the **PrevDrop** or **ColorDrop** hot folder with an Overture system for creating preview or color proofing files. For imaging to plate, you drop these files into your plate spooler folder. For more information on the **Job** folder setup and hot folders, see your *PlateMaster User Guide, PS-to-Press User Guide,* or *Allegro Workstation Software User Guide*.

Note: The PostScript files generated using this workflow can also be used as input files for use with Prinergy. For more information, see Prinergy Online Help.

PRINTING USING PSFORMS

PSForms is Postscript Level 2 encoding, comparable to the use of subroutines. A repeated part of the file is written as a subroutine or a PSForm, and in the full PostScript file, this part can be left out and replaced by a call for the specific PSForm.

This way of outputting OPI has the advantages that everything is included within one Postscript file and most RIPs support the use of PSForms.

This option is recommended as it optimizes the HiRes workflow by creating a file size considerably smaller when printing from the Mac.

Printing the Layout (PSForms)

To print the layout:

1. From the **File** Menu, select **Print**.

   The ArtPro Print dialog box opens.

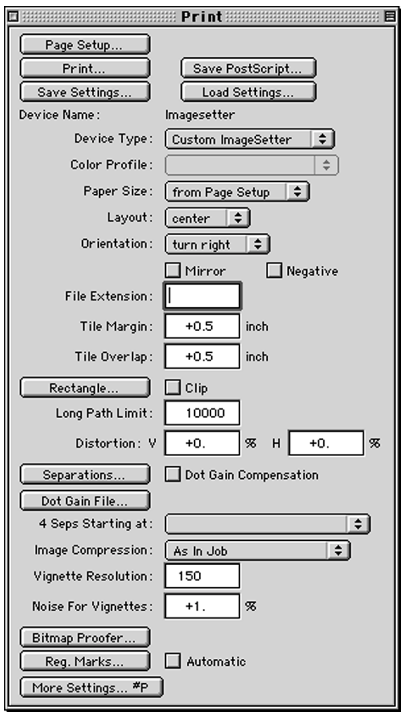


Figure 69: Print Dialog Box

2. Do the following:
   - From the **Device Type** box, select **Custom Imagesetter**.
   - From the **Paper Size** box, select **from Page Setup**.
   - From the **Layout** box, select **center**.
   - From the **Orientation** box, select **turn right**.
   - In the **Automatic** box, clear the check mark.
3. Click **Print**
   Refer to *Defining the Page Setup* on page 11 for more specific instructions on how to define the plate size and PostScript options.
4. In the Print dialog box, click **Separations**.

   The Output Separations dialog box opens.

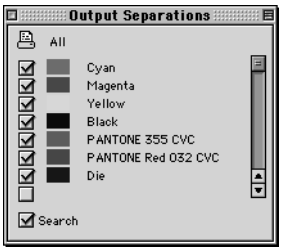


Figure 70: Output Separations Dialog Box

5. Select the check boxes beside the colors you want to print.

6. In the Print dialog box, click **More Settings**.

   The Print Settings dialog box opens.

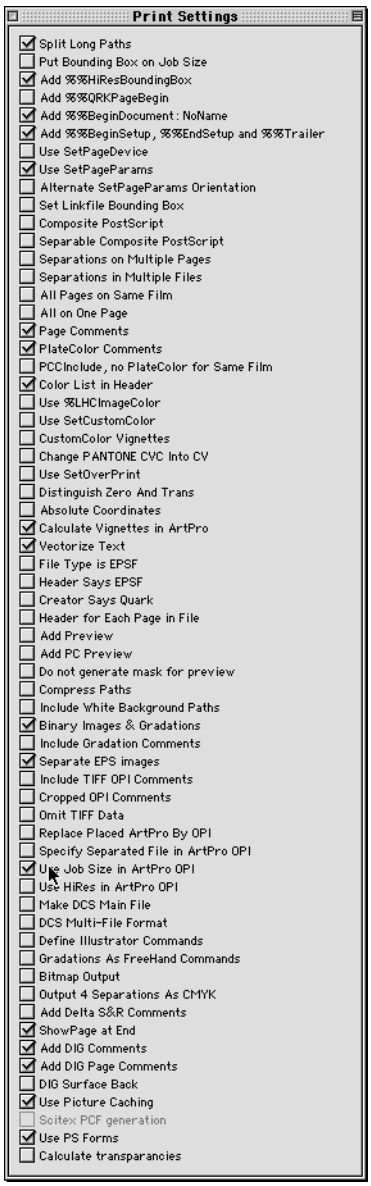


Figure 71: Print Settings Dialog Box

7. Select the check boxes as shown in Figure 71 above.
8. Refer to *Defining the Printer Settings* on page 12 for more specific information on defining the printer settings.

9. Click the **Save** button.

   The Save dialog box opens.

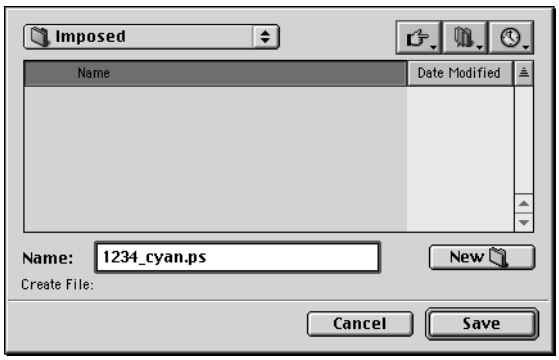


Figure 72: Save Dialog Box

10. Specify a file name and destination for the PostScript output.

    PSForms creates a single file which contains the PS form and a page with links to the subroutine.

    Use the following name convention:

    `123456.ps`

Once the Step and Repeat PostScript file(s) have been printed to the **Imposed** folder of your job, you can then drag and drop the files into the **PrevDrop** or **ColorDrop** hot folder for creating preview or color proofing files. For imaging to plate, you drop these files into your plate spooler folder. For more information on the **Job** folder setup and hot folders, see your *PlateMaster User Guide*, *PS-to-Press User Guide*, or *Allegro Workstation Software User Guide*.

SETTING UP STAND-ALONE OPI FOR OVERTURE

Selecting the Match Image Name Check Box

To modify options for existing ArtPro queues or set up new queues for ArtPro files, you need to select the **Match Image Name** check box, located in the dialog box attached to each OPI queue setup.

To select the Match Image Name check box for a new queue in InterSep OPI's Output Manager:

1. Go to **Tools.**
2. Select **Preferences**.
3. The Preferences dialog box opens.

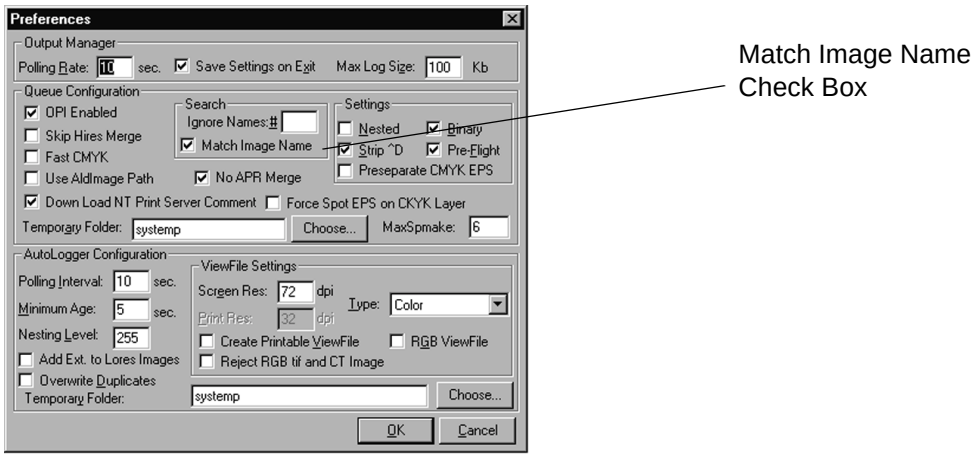


Figure 73: Preferences Dialog Box

4. In the **Queue Configuration** section, select the **Match Image Name** check box.

To select the Match Image Name check box for an existing queue:

1. Click the yellow line in the Output Manager main window, and press ENTER (or right-click the queue folder icon).

   The Attach Services to dialog box opens.

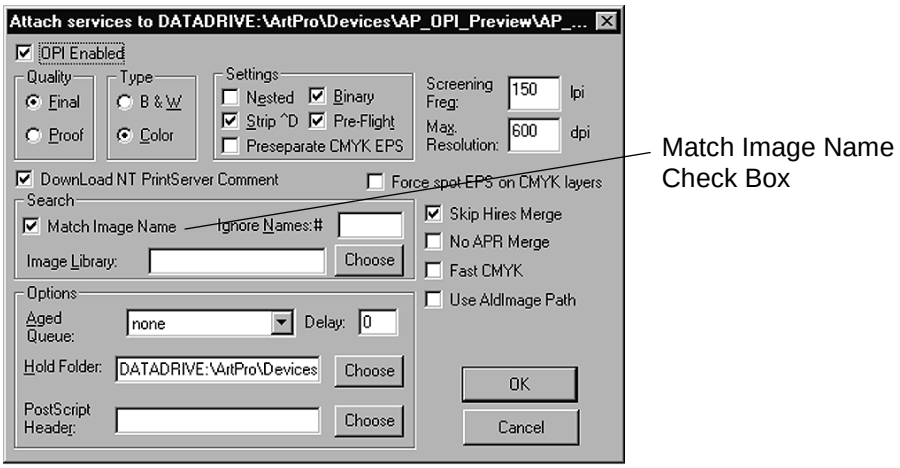


Figure 74: Attach Services to Dialog Box

2. Ensure that the **Match Image Name** check box is selected.
3. Click **OK**.

Selecting the Nested Check Box

A DCS and TIFF-based OPI workflow requires selecting the **Nested** check box in the Output Manager of InterSep OPI. You must first select the **Nested** check box in the Preferences dialog box in order to make it available at the queue level.

Use the following procedure to:

- modify options for existing ArtPro queues for DCS and TIFF-based OPI files
- set up new queues for DCS and TIFF Based OPI files

For more information on the DCS and TIFF-based OPI workflow, see *Brisque PCF Workflow* on page 45.

To select the Nested check box in InterSep OPI's Output Manager:

1. Go to **Tools.**
2. Select **Preferences**.
3. The Preferences dialog box opens.

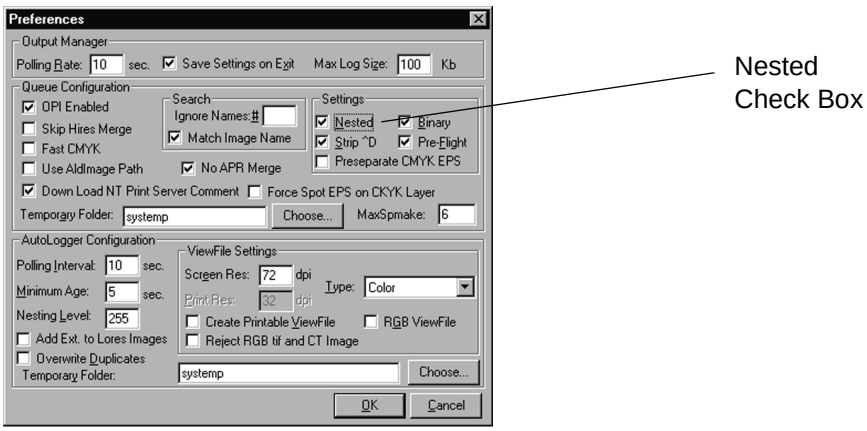


Figure 75: Preferences Dialog Box

4. In the **Settings** section, select the **Nested** check box.

5. Click the yellow line in the Output Manager main window, and then press ENTER (or right-click the queue folder icon).

   The Attach Services to dialog box opens.

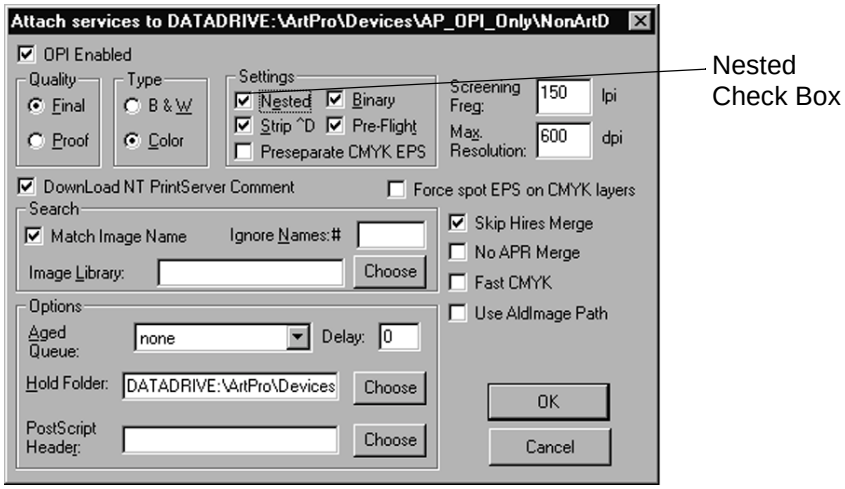


Figure 76: Attach Services to Dialog Box

6. In the **Settings** section, ensure that the **Nested** check box is selected.
7. Click **OK**.

DCS AND TIFF-BASED OPI WORKFLOW

This workflow is designed to use OPI. The **Nested** check box in the Output Manager for InterSep OPI needs to be selected. See *Setting Up the Printer* on page 11 for details. The **Nested** check box should be used when the 1-up artwork contains TIFF files. In this workflow, a chunky DCS set (the **Omit TIFF Data** check box is selected) is generated. This results in better performance and faster printing time for the DCS set from the Power Macintosh.

Note: PlateMaster does not support the DCS and TIFF-based OPI workflow.

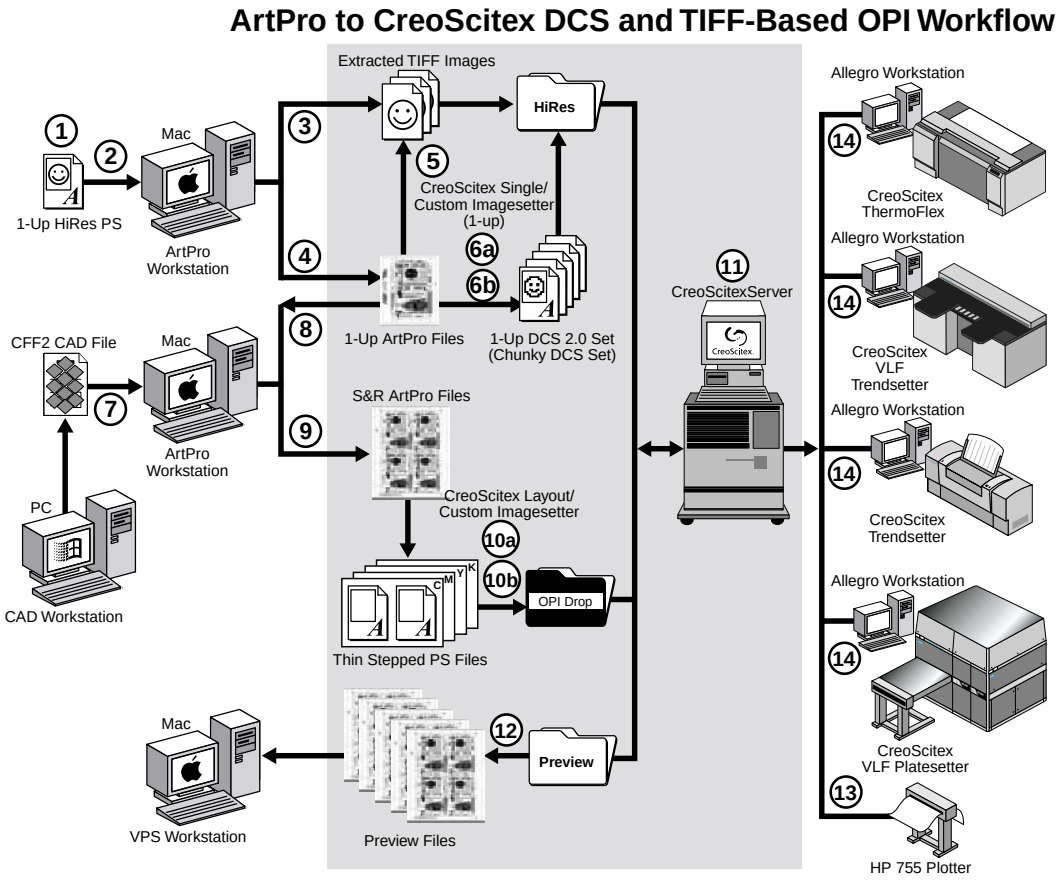


Figure 77: ArtPro to CreoScitex DCS and TIFF-Based OPI Workflow

The following steps describe the ArtPro to CreoScitex DCS and TIFF-based OPI workflow:

1. Your desktop application prints 1-up HiRes PostScript.
2. The 1-up HiRes PostScript file is imported into ArtPro and then converted to the ArtPro internal format.

3. While importing the PostScript, ArtPro extracts and saves all contone images as TIFF files, and then prompts you for the location for saving the TIFF files.

   Note: Place files into the **HiRes** folder of the job on the CreoScitex Server.

4. The converted graphics in ArtPro are saved as a 1-up ArtPro file.
5. While saving the file, links are made between the extracted TIFF images and the 1-up ArtPro file.
6. Using the **Creo (single job)** device type option, the 1-up HiRes DCS set is printed to the **HiRes** folder using the 1-up ArtPro file.
7. A CAD program generates a CAD CFF2 or DDES dieline file for use in ArtPro.
8. In ArtPro, the 1-up file is stepped and repeated to match a dieline (CFF2 or DDES) or in tabular mode (square cut).
9. The new ArtPro Step and Repeat layout is saved for future use.
10. Using a specified type option, the following file(s) are printed:
    a. Using the **Creo (layout)** device type option, thin stepped PostScript files with the **Replace Placed ArtPro by OPI** check box selected are printed to a hot folder on the CreoScitex Server.
    b. Using the **Custom Imagesetter** device type option, a thin stepped PostScript file with **Replace Placed ArtPro by OPI** check box selected is printed to a hot folder on the CreoScitex server.
11. OPI builds the stepped files by swapping the OPI comments for the 1-up DCS set and the extracted TIFF images. The HiRes stepped files are delivered to the RIP to generate preview files for soft proofing.
12. Preview files are viewed on the Macintosh worksation with VPS.
13. Preview files are combined with Color Proofing System and sent to a plotter.
14. Thin stepped PostScript file(s) are printed to a hot folder on the CreoScitex server. OPI builds the stepped files by swapping the OPI comments for the 1-up DCS set and the extracted TIFF images. The HiRes stepped files are RIPed and sent to the CreoScitex output device.

    TIP: In Figure 77 on page 76, the Macintosh workstations are depicted as three workstations. However, all the processes related to the Macintosh can be performed on one Macintosh with the required software loaded.

Printing the 1-up DCS Set (Creo Single Job)

Before printing the 1-up DCS set **Creo (single job)**, you need to generate your 1-up artwork by either importing the 1-up artwork or creating the artwork in ArtPro. If your job requires editing, optimizing, or trapping, you need to perform these actions before saving your artwork and printing the 1-up DCS file. For more information on generating the artwork, see *Setting Up Your ArtPro Job* on page 18 and your *ArtPro 4.5 Manual*.

Printing the 1-up DCS File

To print the 1-up DCS file:

1. From the **File** menu, select **Print**.

   The ArtPro Print dialog box opens.

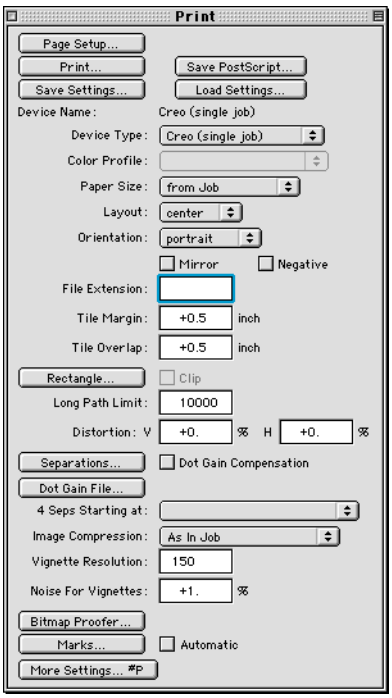


Figure 78: Print Dialog Box

2. Do the following:
   - From the **Device Type** box, select **Creo (single job)**.
   - From the **Paper Size** box, select **from Job**.
   - From the **Layout** box, select **center**.
   - From the **Orientation** box, select **portrait**.

3. Click **More Settings**.

   The Print Settings dialog box opens.

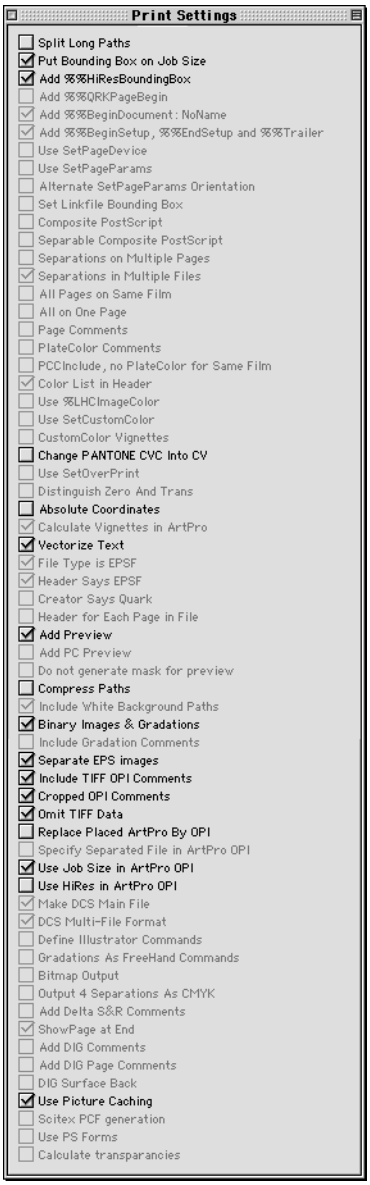


Figure 79: Print Settings Dialog Box

4. Clear the **Replace Placed ArtPro By OPI** check box.
5. Select the following check boxes:
   - **Include TIFF OPI Comments**
   - **Cropped OPI Comments**
   - **Omit TIFF Data**
6. Select the **Use HiRes in ArtPro OPI** and **Use Picture Caching** check boxes.

7. Click **Save PostScript**.

   The Save PostScript dialog box opens.

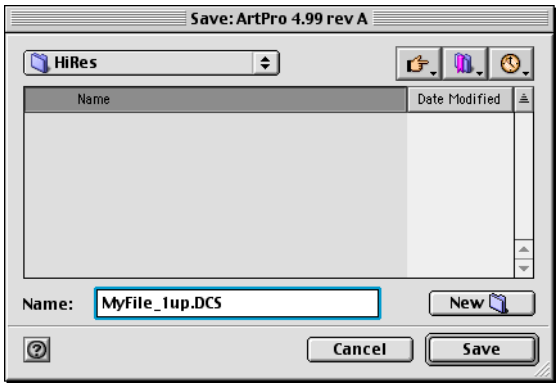


Figure 80: Save PostScript Dialog Box

8. Select the OPI **HiRes** folder.

   Note: It is important to keep the same source name for the 1-up files. Do not change the file name that appears in the **Save As** box. ArtPro automatically adds the DCS extension to the 1-up DCS control file. Using **Creo (single job)** output, ArtPro creates separated files for each color to be printed.

9. Click **Save**.

Selecting the Stepping Method

To select a stepping method:

1. From the **File** menu, select **Step & Repeat**, then either **Tabular, Nesting**, **Automatic**, or **Interactive**.

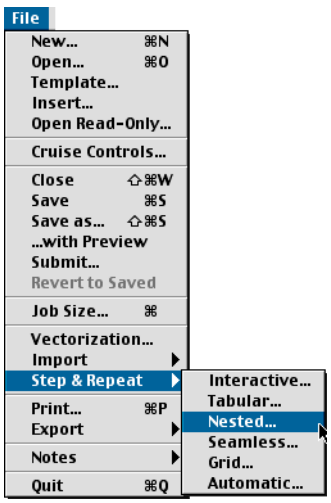


Figure 81: Step and Repeat Options Under the File Menu

2. Follow the procedures for each technique, using your 1-up ArtPro internal file for positioning.

   For more information on Step and Repeat, see your *ArtPro 4.5 Manual* and *ArtPro to CreoScitex Connectivity Release Notes*.

3. Save this layout in ArtPro internal format for future use.

Printing the Layout (Creo Layout)

To print the layout:

1. Open the file saved in Step and Repeat.
2. From the **File** Menu, select **Print**.

   The ArtPro Print dialog box opens.

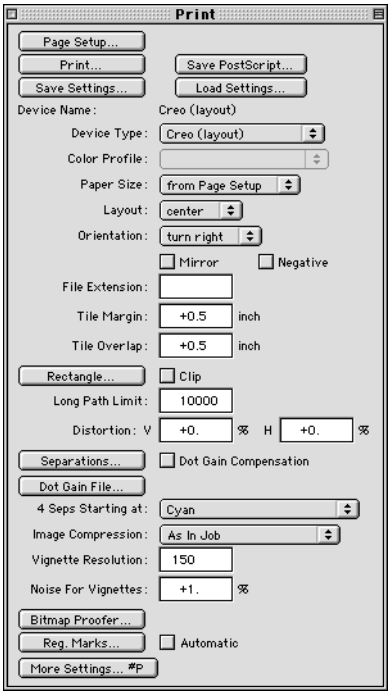


Figure 82: Print Dialog Box

3. Do the following:
   - From the **Device Type** box, select **Creo (layout)**.
   - From the **Paper Size** box, select **from Page Setup**.
   - From the **Layout** box, select **center**.
   - From the **Orientation** box, select **turn right**.
4. Refer to *Defining the Page Setup* on page 11 for more specific instructions on how to define the plate size and PostScript options.

5. In the Print dialog box, click **Separations**.

   The Output Separations dialog box opens.

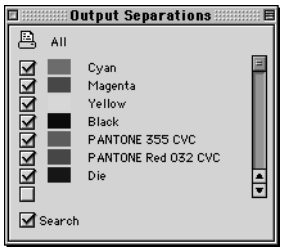


Figure 83: Output Separations Dialog Box

6. Select the check boxes beside the colors you want to print.

7. In the Print dialog box, click **More Settings**.

   The Print Settings dialog box opens.

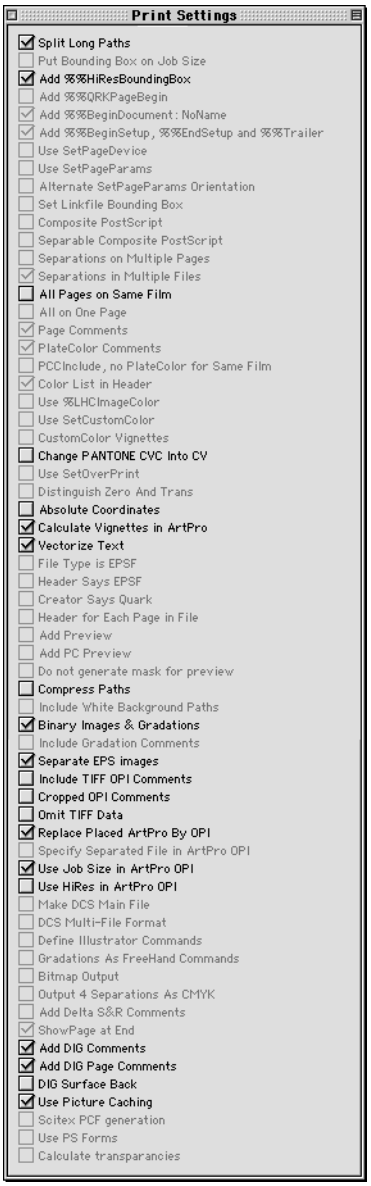


Figure 84: Print Settings Dialog Box

8. Select the **Replace Placed ArtPro By OPI** check box.

   Note: The **Replace Placed ArtPro By OPI** check box instructs the PostScript output engine to include an OPI comment in the stepped PostScript file. This comment refers to the control file of the 1-up DCS set you previously saved and placed into the **HiRes** folder of your job.

9. Clear the following check boxes:
   - **Include TIFF OPI Comments**
   - **Cropped OPI Comments**
   - **Omit TIFF Data**
10. Select the following check boxes:
   - **Use HiRes in ArtPro OPI**
   - **Add DIG Comments**
   - **Use Picture Caching**
11. Click **Print**.

    Refer to *Defining the Printer Settings* on page 12 for more specific information on defining the printer settings.
12. Click **Save**.

    The Save dialog box opens.

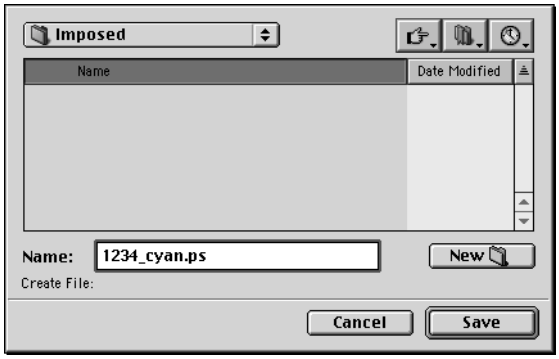


Figure 85: Save Dialog Box

13. Specify a file name and destination for the PostScript output.

    Creo (layout) conforms to separated workflow requirements, such as for PrintLink. When you generate separated PostScript from ArtPro for use with PrintLink, you must use one of the following naming conventions:

    - job number_separation color name.ps

    Or:

    - docket number_separation color name.ps

    TIP: You must use consistent naming conventions for a job—that is, related to a separated PPF—so that the job is easily selected from the input basket. The PPF File Reader workstation can then identify which files belong together.

    Sample names for a job might be the following:

```
1234_cyan.ps
1234_magenta.ps
1234_yellow.ps
1234_black.ps
1234_spot1.ps
1234_spot2.ps
```

14. Repeat steps 12 through 13 until all colors are printed.

Once the Step and Repeat PostScript files have been printed to the **Imposed** folder of your job, you can then drag and drop the files into the **PrevDrop** or **ColorDrop** hot folder for creating preview or color proofing files. For imaging to plate, you drop these files into your plate spooler folder. For more information on the **Job** folder setup and hot folders, see your *PlateMaster User Guide*, *PS-to-Press User Guide*, or *Allegro Workstation Software User Guide*.

Printing the Layout (PSForms)

To print the layout:

1. Open the file saved in Step & Repeat.
2. From the **File** Menu, select **Print**.

   The ArtPro Print dialog box opens.

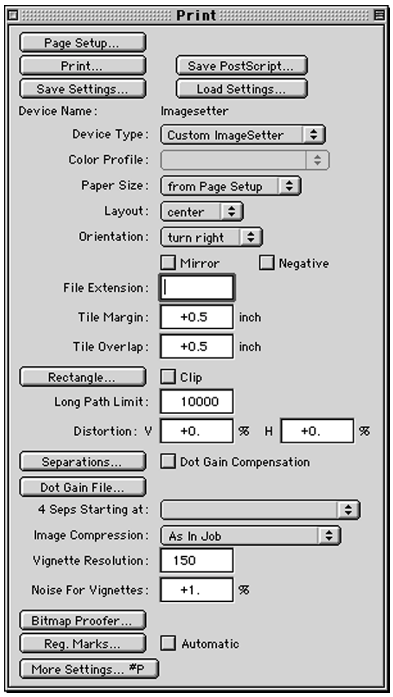


Figure 86: Print Dialog Box

3. Do the following:
   - From the **Device Type** box, select **Custom Imagesetter**.
   - From the **Paper Size** box, select **from Page Setup**.
   - From the **Layout** box, select **center**.
   - From the **Orientation** box, select **turn right**.
4. Refer to *Defining the Page Setup* on page 11 for more specific instructions on how to define the plate size and PostScript options.

5. In the Print dialog box, click **Separations**.

   The Output Separations dialog box opens.

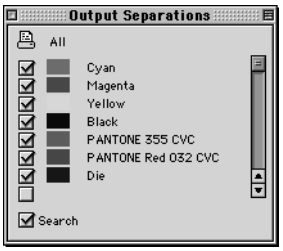


Figure 87: Output Separations Dialog Box

6. Select the check boxes beside the colors you want to print.

7. In the Print dialog box, click **More Settings**.

   The Print Settings dialog box opens.

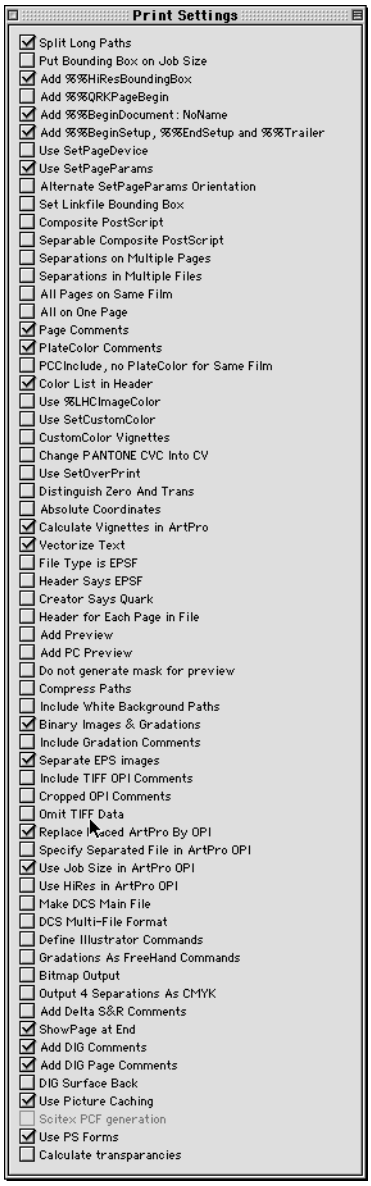


Figure 88: Print Settings Dialog Box

   - Select the check boxes as shown in Figure 88 above.

8. Select the following settings:
   - **Vectorize Text**
   - **Add DIG Comments**
   - **Use Picture Caching**
   - **Use PS Forms**

9. Clear the following check boxes:
   - **Include TIFF OPI Comments**
   - **Replace Placed ArtPro by OPI**
10. Click **Print**.

    Refer to *Defining the Printer Settings* on page 12 for more specific information on defining the printer settings.
11. Click the **Save** button.

    The Save dialog box opens.

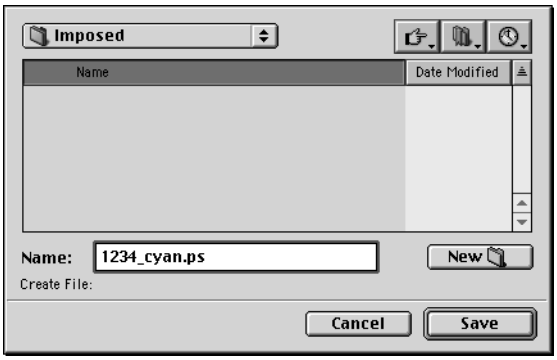


Figure 89: Save Dialog Box

12. Specify a file name and destination for the PostScript output.

    PSForms creates a single file which contains the PS form and a page with links to the subroutine.

    Use the following name convention:

    `myfile.ps`

Once the Step and Repeat PostScript file(s) have been printed to the **Imposed** folder of your job, you can then drag and drop the files into the **PrevDrop** or **ColorDrop** hot folder for creating preview or color proofing files. For imaging to plate, you drop these files into your plate spooler folder. For more information on the **Job** folder setup and hot folders, see your *PlateMaster User Guide, PS-to-Press User Guide,* or *Allegro Workstation Software User Guide*.

RENAISSANCE AND CEPSLINK WORKFLOW

This workflow is designed for PostScript output generated by the CreoScitex Renaissance Scanner when scanning film or CEPSLink software during the conversion of Scitex files (CT/LW/NLW).

ArtPro to CreoScitex Renaissance and CEPSLink Workflow

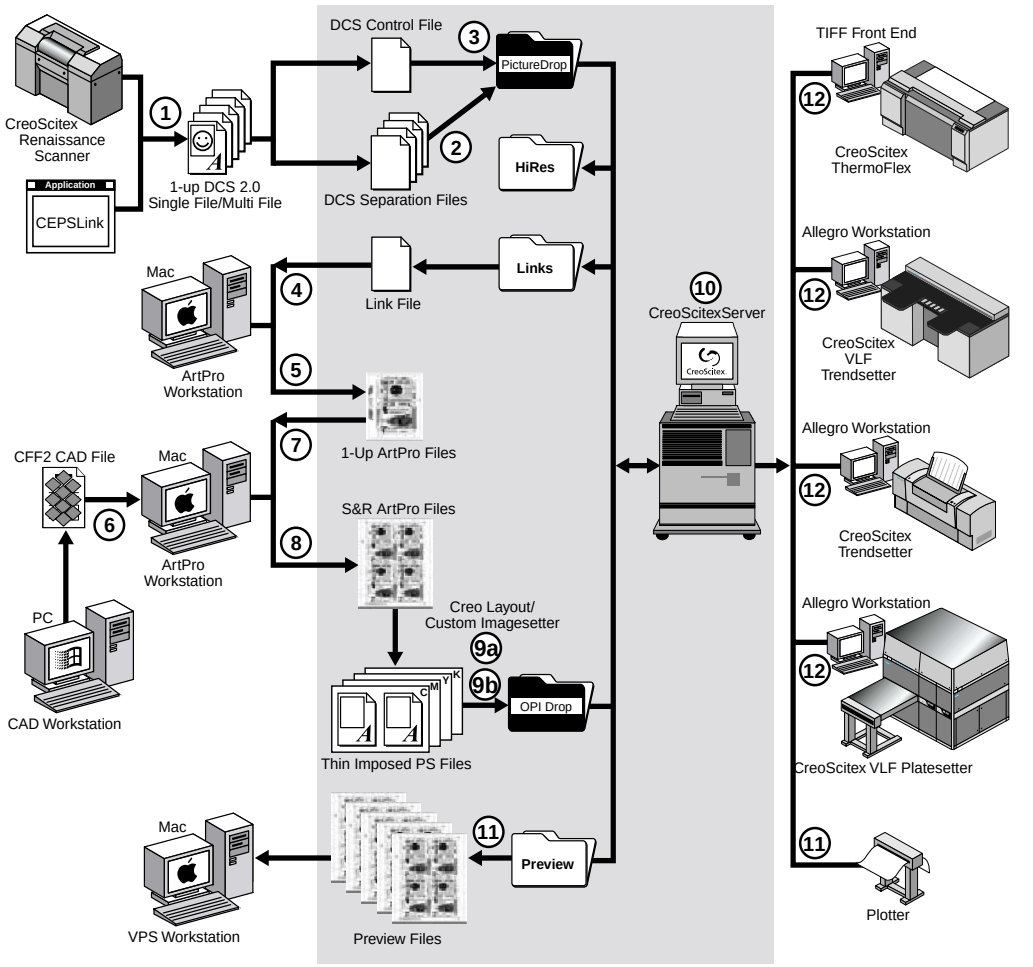


Figure 90: ArtPro to CreoScitex Renaissance and CEPSLink Workflow

The following steps describe the ArtPro to CreoScitex Renaissance and CEPSLink workflow:

1. Renaissance Scanner or CEPSLink outputs a 1-up HiRes DCS multi or single file.
2. DCS file is dropped into the **PictureDrop** folder to generate a LoRes link file and automatically place HiRes images in the HiRes folder.
3. The following files are placed into a new ArtPro document:
   - The LoRes link file is placed into a new ArtPro document.
   - The HiRes DCS single file is placed into a new ArtPro document

4. The new document is saved as a 1-up ArtPro file.
5. A CAD program generates a CAD dieline file for use in PowerStepper.
6. In PowerStepper, the 1-up ArtPro file is stepped and repeated to match a dieline (file) or a tabular mode (square cut).
7. The new ArtPro Step and Repeat layout is saved for future use.
8. Using a specified device type option, the following files are printed:
   a. Using the **Creo (layout)** device type option, thin stepped PostScript files are printed to a hot folder on the CreoScitex Server. No OPI comments are selected in ArtPro.
   b. Using the **Custom Imagesetter** device type option, thin stepped PostScript files are printed to a hot folder on the CreoScitex Server. No OPI comments are selected in ArtPro.
9. For the DCS multiple file, OPI builds the stepped files by swapping the link files for the appropriate 1-up DCS separation files. The HiRes stepped files are delivered to the RIP to generate preview files for soft proofing.
10. Preview files are viewed on the Macintosh workstation with VPS.
11. Preview files are combined with Color Proofing System and sent to a plotter.
12. OPI builds the stepped files by swapping the link files for the appropriate 1-up DCS separation files. The HiRes stepped files are RIPed and sent to the CreoScitex output device.

    TIP: In Figure 90 on page 89, the Macintosh workstations are depicted as three workstations. However, all the processes related to the Macintosh can be performed on one Macintosh with the required software loaded.

    Note: For Prinergy workflows, please refer to the *ArtPro to Prinergy Best Practices (78-0070A)* technical bulletin.

Working With 1-Up Renaissance or CEPSLink Files

To create the 1-up Renaissance or CEPSLink file:

1. Generate a HiRes DCS (either single or multi file) from the Renaissance Scanner or CEPSLink software.

   TIP: If bleed is required, the job size must be set to include the bleed. This ensures that when placing the link file in ArtPro you have bleed available on your job when stepping in **Tabular**, **Automatic** and **Interactive** mode.

2. Save the files to the **HiRes** folder of your job.
3. Generate a LoRes link file of the DCS file for placement in the 1-up ArtPro file by either dropping the control file (that is, **myfile.eps**) of the DCS set in the case of a DCS multi-file or the DCS file for a single file, into the **PictureDrop** hot folder.

4. Open either an ArtPro template or a new ArtPro job, place the link file created in step 3, then fit the job size equal to the scan or CEPSLink file.

   TIP: When stepping to a CFF2 or DDES dieline, the job size should be set equal to the extremities of the 1-up die.

   Note: For information on saving preparing scans for ArtPro, please refer to the *Setting Up Renaissance Scans for ArtPro* (78-0035A) technical bulletin.

Placing the LoRes Link File

To place the LoRes link file or HiRes DCS Single File:

1. From the **Paint** menu, select **Place**.
2. Center the artwork.

   For more information, see *Setting Up Your 1-Up Job* on page 23.
3. Add the color names of the link file manually, if necessary.

   Check to make sure that the colors are identified correctly (in the case of Renaissance scans, the colors need to be identified exactly as created by the scanner operator).

   Note: If the color information is not readily available, you may need to use a PostScript editor (for example, BBEdit) to look at the PostScript file for color descriptions.
4. Save the new graphic as a 1-up ArtPro file.

Selecting the Stepping Method

To select a stepping method:

1. From the **File** menu, select **Step & Repeat**, and then either **Tabular**, **Nesting**, **Automatic** or **Interactive**.

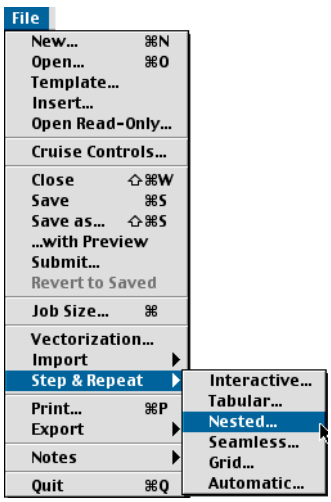


Figure 91: Step and Repeat Options Under the File Menu

2. Follow the procedures for each technique, using your 1-up ArtPro internal file for positioning.

   For more information on Step and Repeat, see your *ArtPro 4.5 Manual* or the *ArtPro to CreoScitex Connectivity Release Notes*.

3. Save this Step and Repeat layout in ArtPro internal format for future use.

Printing the Layout (Creo Layout)

To print the layout:

1. From the **File** Menu, select **Print**.

   The ArtPro Print dialog box opens.

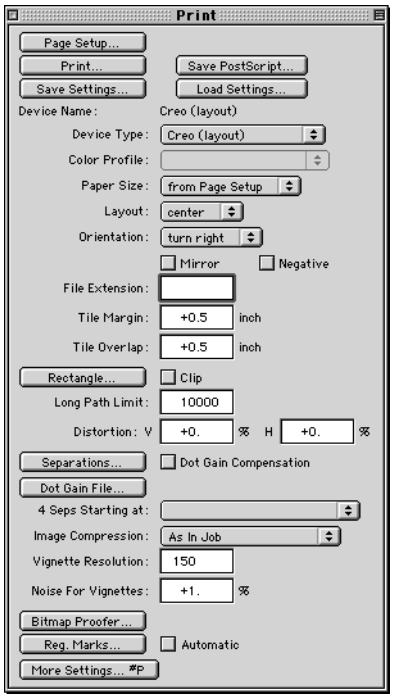


Figure 92: Print Dialog Box

2. Do the following:
   - From the **Device Type** box, select **Creo (layout)**.
   - From the **Paper Size** box, select **from Page Setup**.
   - From the **Layout** box, select **center**.
   - From the **Orientation** box, select **turn right**.

3. Refer to *Defining the Page Setup* on page 11 for more specific instructions on how to define the plate size and PostScript options.

4. In the Print dialog box, click **Separations**.

   The Output Separations dialog box opens.

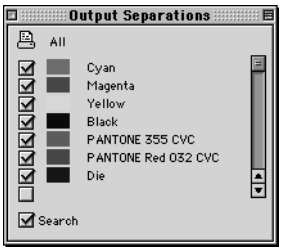


Figure 93: Output Separations Dialog Box

5. Select the check boxes beside the colors you want to print.

6. In the Print dialog box, click **More Settings**.

   The Print Settings dialog box opens.

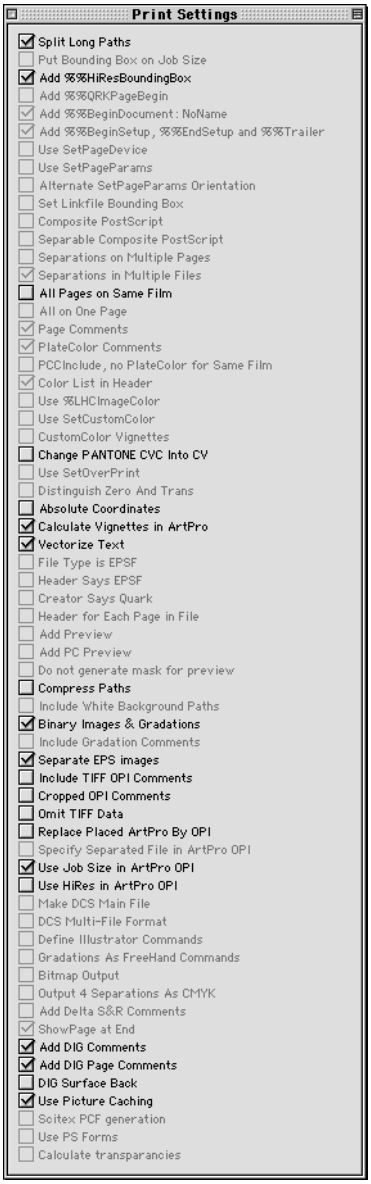


Figure 94: Print Settings Dialog Box

7. Clear the following check boxes:
   - **Include TIFF OPI Comments**
   - **Cropped OPI Comments**
   - **Omit TIFF Data**
   - **Replace Placed ArtPro By OPI**
8. Select the **Add DIG Comments** check box.

9. Click **Print**.
   Refer to *Defining the Printer Settings* on page 12 for more specific information on defining the printer settings.

10. Click the **Save** button.

    The Save dialog box opens.

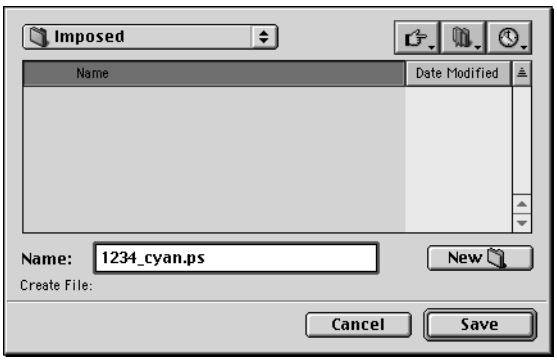


Figure 95: Save Dialog Box

11. Specify a file name and destination for the PostScript output.

    Creo (layout) conforms to separated workflow requirements. When you generate separated PostScript from ArtPro for use with PrintLink, you must use one of the following naming conventions:

    • job number_separation color name.ps

    Or:

    • docket number_separation color name.ps

    TIP: You must use consistent naming conventions for a job—that is, related to a separated PPF—so that the job is easily selected from the input basket. The PPF File Reader workstation can then identify which files belong together.

    Sample names for a job might be the following:

```
1234_cyan.ps
1234_magenta.ps
1234_yellow.ps
1234_black.ps
1234_spot1.ps
1234_spot2.ps
```

12. Repeat steps 10 through 11 until all colors are printed.

Once the Step and Repeat PostScript files have been printed to the **Imposed** folder of your job, you can then drag and drop the files into the **PrevDrop** or **ColorDrop** hot folder for creating preview or color proofing files. For imaging to plate, you drop these files into your plate spooler folder. For more information on the **Job** folder setup and hot folders, see your *PlateMaster User Guide*, *PS-to-Press User Guide*, or *Allegro Workstation Software User Guide*.

Printing the Layout (PSForms)

To print the layout:

1. From the **File** Menu, select **Print**.

   The ArtPro Print dialog box opens.

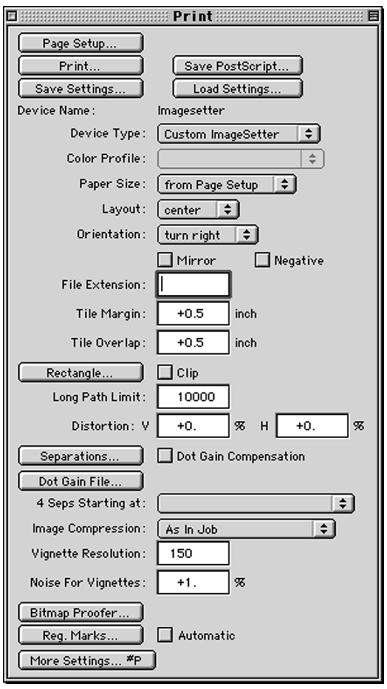


   Figure 96: Print Dialog Box

2. Do the following:
   - From the **Device Type** box, select **Custom Imagesetter**.
   - From the **Paper Size** box, select **from Page Setup**.
   - From the **Layout** box, select **center**.
   - From the **Orientation** box, select **turn right**.
   - In the **Automatic** box, clear the check mark.
3. Refer to *Defining the Page Setup* on page 11 for more specific instructions on how to define the plate size and PostScript options.

4. In the Print dialog box, click **Separations**.

   The Output Separations dialog box opens.

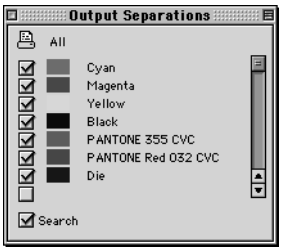


Figure 97: Output Separations Dialog Box

5. Select the check boxes beside the colors you want to print.

6. In the Print dialog box, click **More Settings**.

   The Print Settings dialog box opens.

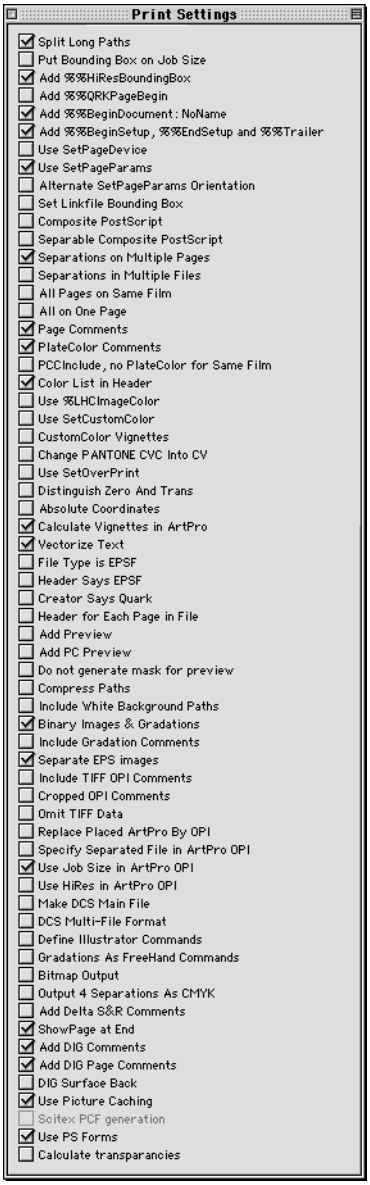


Figure 98: Print Settings Dialog Box

7. Select the check boxes as shown in Figure 98 above.

8. Click **Print**.
   Refer to *Defining the Printer Settings* on page 12 for more specific information on defining the printer settings.

9. Click the **Save** button.

   The Save dialog box opens.

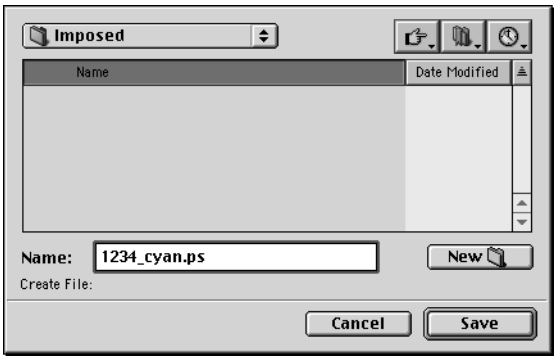


Figure 99: Save Dialog Box

10. Specify a file name and destination for the PostScript output.

    PSForms creates a single file which contains the PS form and a page with links to the subroutine.

    Use the following name convention:

    `123456.ps`

Once the Step and Repeat PostScript file(s) have been printed to the **Imposed** folder of your job, you can then drag and drop the files into the **PrevDrop** or **ColorDrop** hot folder for creating preview or color proofing files on the Overture System. For imaging to plate, you drop these files into your plate spooler folder. For more information on the **Job** folder setup and hot folders, see your *PlateMaster User Guide, PS-to-Press User Guide,* or *Allegro Workstation Software User Guide*.

DCS WORKFLOW

This workflow is designed to use OPI. It is intended for ArtPro files that contain ArtPro CTs. When artwork is created using ArtColor or when contone images are imported using the **Image setting, Make internal** options, ArtPro CTs are created. For more information on processing files containing TIFFs, see *Brisque PCF Workflow* on page 45.

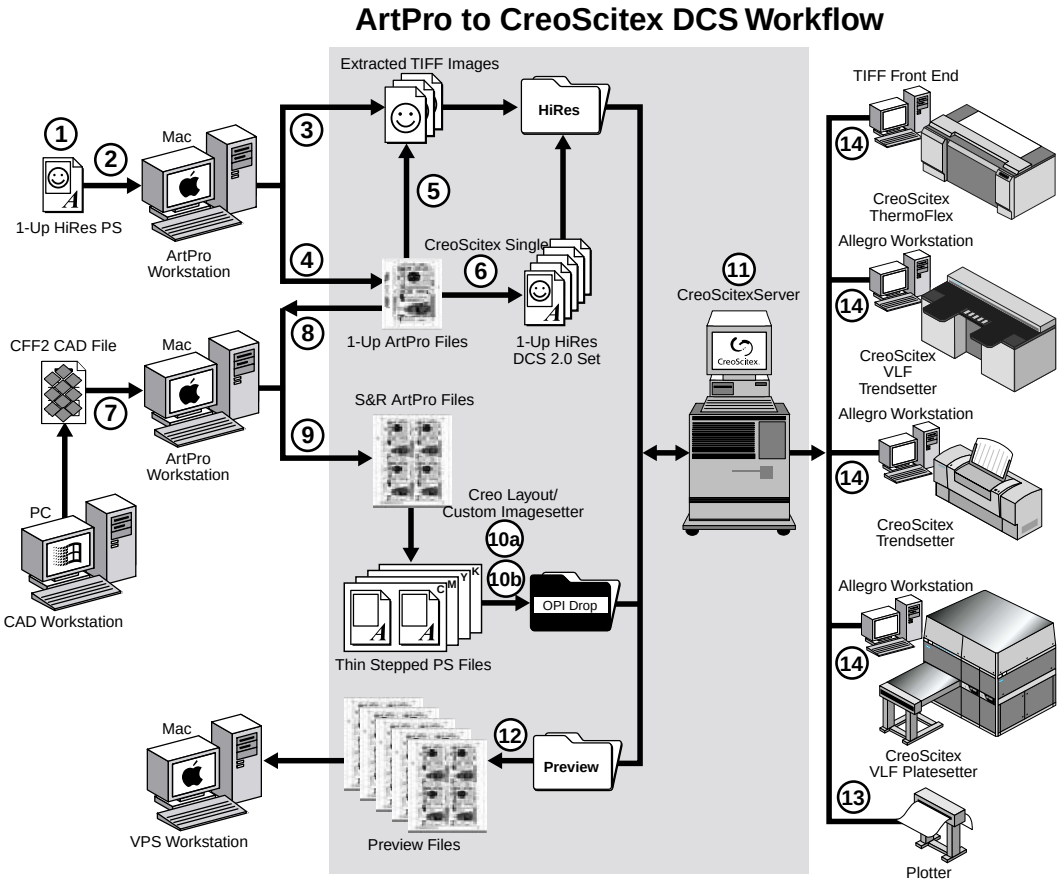


Figure 100: ArtPro to CreoScitex DCS Workflow

The following steps describe the ArtPro to CreoScitex DCS workflow:

1. Your desktop application prints a 1-up HiRes PostScript file.
2. The 1-up HiRes PostScript file is imported into ArtPro and then converted to the ArtPro internal format.
3. While importing the PostScript, ArtPro extracts and saves all contone images as TIFF files, and then prompts you for the location for saving the TIFF files.

   Note: Place files into the **HiRes** folder of the job on the CreoScitex Server.
4. The converted graphics in ArtPro are saved as a 1-up ArtPro file.

5. While saving the file, links are made between the extracted TIFF images and the 1-up ArtPro file.
6. Using the **Creo (single job)** device type option, the 1-up HiRes DCS set is printed to the **HiRes** folder using the 1-up ArtPro file.
7. A CAD program generates a CAD dieline file for use in PowerStepper.
8. In ArtPro, the 1-up file is stepped and repeated to match a dieline (CFF2 or DDES) or in tabular mode (square cut).
9. The new ArtPro Step and Repeat layout is saved for future use.
10. Using a specified device type option, either of the following file(s) are printed:
    a. Using the **Creo (layout)** device type option, thin stepped PostScript files with the **Replace Placed ArtPro by OPI** check box selected are printed to a hot folder on the CreoScitex Server.
    b. Using the **Custom Imagesetter** device type option, thin stepped PostScript file with the **Replace Placed ArtPro by OPI** check box selected is printed to a hot folder on the CreoScitex Server.
11. OPI builds the stepped files by swapping the OPI comments for the 1-up HiRes DCS set. The HiRes stepped files are delivered to the RIP to generate preview files for soft proofing.
12. Preview files are viewed on the Macintosh with VPS.
13. Preview files are combined with Color Proofing System and sent to a plotter.
14. Thin stepped PostScript file(s) are printed to a hot folder on the CreoScitex server. OPI builds the stepped files by swapping the OPI comments for the 1-up HiRes DCS set or PSForms file. The HiRes stepped files are RIPed and sent to the CreoScitex output device.

    TIP: In Figure 100 on page 100, the Macintosh workstations are depicted as three workstations. However, all the processes related to the Macintosh can be performed on one Macintosh with the required software loaded.

Printing the 1-Up DCS Set (Creo Single Job)

Before printing the 1-up DCS set **Creo (single job)**, you need to generate your 1-up artwork by either importing the 1-up artwork into ArtPro or creating and saving the artwork in ArtPro (after optimizing, trapping, etc.). For more information on generating the artwork, see *Setting Up Your ArtPro Job* on page 18 and your *ArtPro 4.5 Manual*.

Printing the 1-Up DCS Set (Creo Single Job)

To print the 1-up DCS file:

1. From the **File** menu, select **Print**.

   The ArtPro Print dialog box opens.

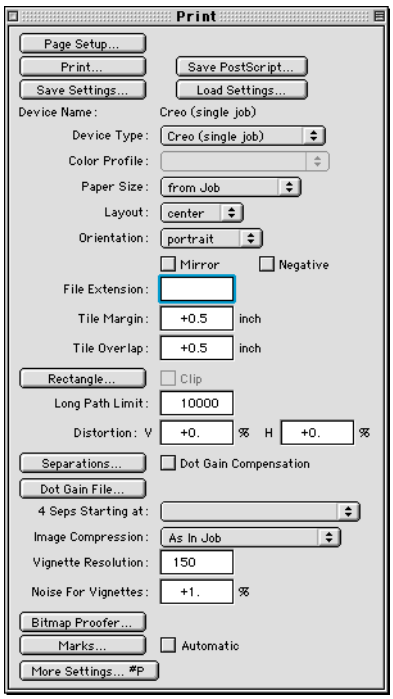


Figure 101: Print Dialog Box

2. Do the following:
   - From the **Device Type** box, select **Creo (single job)**.
   - From the **Paper Size** box, select **from Job**.
   - From the **Layout** box, select **center**.
   - From the **Orientation** box, select **portrait**.

3. Click **More Settings**.

   The Print Settings dialog box opens.

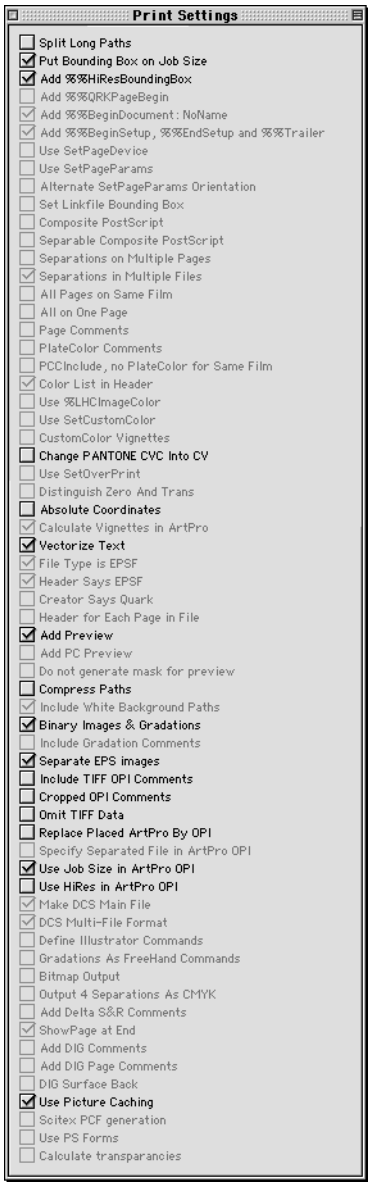


Figure 102: Print Settings Dialog Box

4. Clear the following check boxes:
   - **Include TIFF OPI comments**
   - **Cropped OPI comments**
   - **Omit TIFF Data**
   - **Replace Placed ArtPro By OPI**
5. Select the **Add DIG Comments** and **Use Picture Caching** check boxes.

6. Click **Save PostScript**.

   The Save PostScript dialog box is displayed.

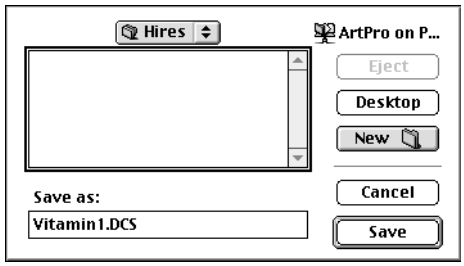


Figure 103: Save PostScript Dialog Box

7. Select the OPI **HiRes** folder on the CreoScitex server.

   Note: It is important to keep the same source name for the 1-up files. Do not change the file name that appears in the **Save As** box. ArtPro automatically adds the DCS extension to the 1-up DCS control file. Using the **Creo (single job)** output, ArtPro creates separated files for each color to be printed.

8. Click **Save**.

Selecting the Stepping Method

To select a stepping method:

1. From the **File** menu, select **Step & Repeat**, then select either **Tabular**, **Nesting**, **Interactive,** or **Automatic**.

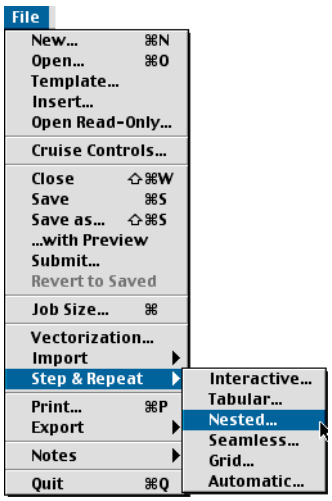


Figure 104: Step and Repeat Options Under the File Menu

2. Follow the procedures for each technique, using your 1-up ArtPro internal file for positioning.

   For information on Step and Repeat, see your *ArtPro 4.5 Manual*.

3. Save this layout in ArtPro internal format for future use.

Printing the Layout (Creo Layout)

To print the layout:

1. Open the file saved in Step and Repeat.
2. From the **File** Menu, select **Print**.

   The ArtPro Print dialog box is displayed.

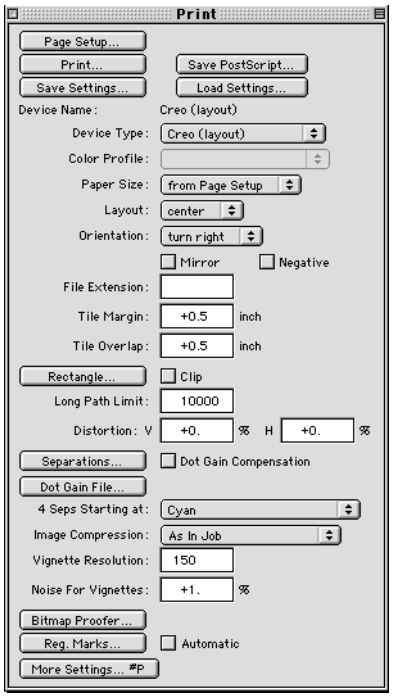


Figure 105: Print Dialog Box

3. Do the following:
   - From the **Device Type** box, select **Creo (layout)**.
   - From the **Paper Size** box, select **from Page Setup**.
   - From the **Layout** box, select **center**.
   - From the **Orientation** box, select **turn right**.
4. Refer to *Defining the Page Setup* on page 11 for more specific instructions on how to define the plate size and PostScript options.

5. In the Print dialog box, click **Separations.**

   The Output Separations dialog box opens.

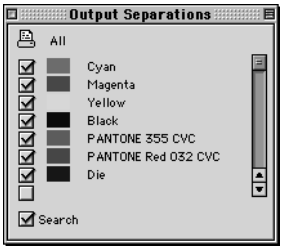


Figure 106: Output Separations Dialog Box

6. Select the check boxes beside the colors you want to print.

7. In the Print dialog box, click **More Settings**.

   The Print Settings dialog box opens.

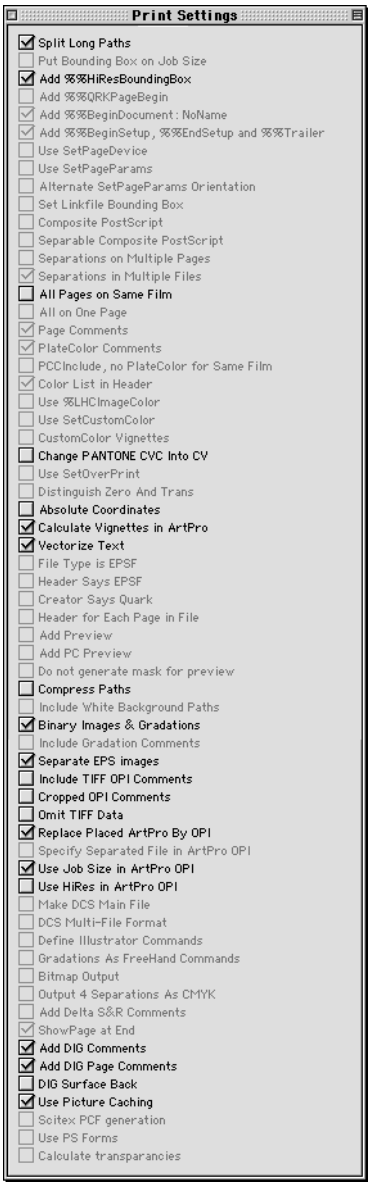


Figure 107: Print Settings Dialog Box

8. Select the **Replace Placed ArtPro By OPI** check box.

   Note: The **Replace Placed ArtPro By OPI** check box instructs the PostScript output engine to include an OPI comment in the stepped PostScript. This comment refers to the control file of the 1-up DCS set you previously saved and placed into the **HiRes** folder of your job.

9. Clear the following check boxes:
   - **Include TIFF OPI Comments**
   - **Cropped OPI Comments**
   - **Omit TIFF Data**
10. Select the **Use HiRes in ArtPro OPI** and **Use Picture Caching** check boxes.
11. Click **Print**.

    Refer to *Defining the Printer Settings* on page 12 for more specific information on defining the printer settings.
12. Click **Save**.

    The Save dialog box opens.

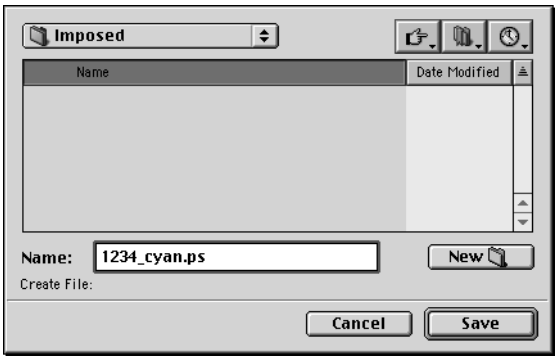


Figure 108: Save Dialog Box

13. Specify a file name and destination for the PostScript output.

    Creo (layout) conforms to separated workflow requirements. When you generate separated PostScript from ArtPro for use with PrintLink, you must use one of the following naming conventions:

    - job number_separation color name.ps

    Or:

    - docket number_separation color name.ps

    TIP: You must use consistent naming conventions for a job—that is, related to a separated PPF—so that the job is easily selected from the input basket. The PPF File Reader workstation can then identify which files belong together.

    Sample names for a job might be the following:

```
1234_cyan.ps
1234_magenta.ps
1234_yellow.ps
1234_black.ps
1234_spot1.ps
1234_spot2.ps
```

14. Repeat steps 12 through 13 until all colors are printed.

Once the Step and Repeat PostScript files have been printed to the **Imposed** folder of your job, you can then drag and drop the files into the **PrevDrop** or **ColorDrop** hot folder for creating preview or color proofing files. For imaging to plate, you drop these files into your plate spooler folder. For more information on the **Job** folder setup and hot folders, see your *PlateMaster User Guide*, *PS-to-Press User Guide*, or *Allegro Workstation Software User Guide*.

Printing the Layout (PSForms)

To print the layout:

1. From the **File** Menu, select **Print**.

   The ArtPro Print dialog box opens.

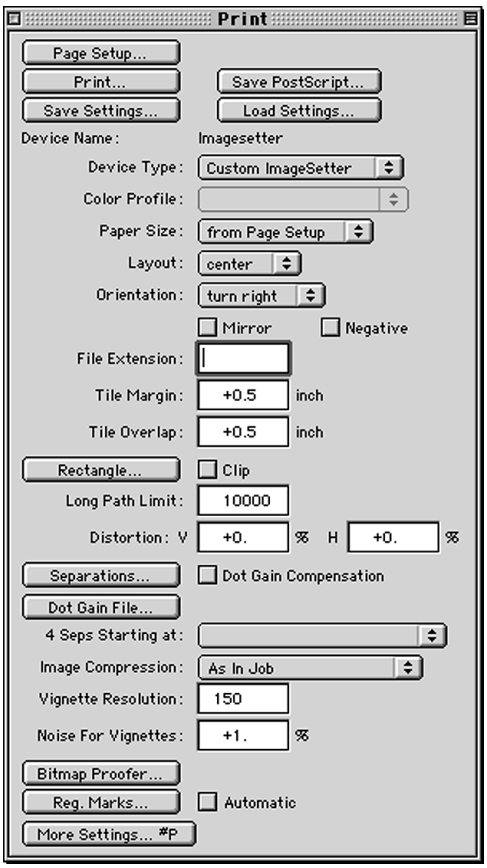


Figure 109: Print Dialog Box

2. Do the following:
   - From the **Device Type** box, select **Creo (layout)**.
   - From the **Paper Size** box, select **from Page Setup**.
   - From the **Layout** box, select **center**.
   - From the **Orientation** box, select **turn right**.
   - In the **Automatic** box, clear the check mark.
3. Refer to *Defining the Page Setup* on page 11 for more specific instructions on how to define the plate size and PostScript options.
4. In the Print dialog box, click **Separations**.

   The Output Separations dialog box opens.

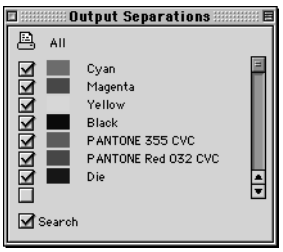


Figure 110: Output Separations Dialog Box

5. Select the check boxes beside the colors you want to print.

6. In the Print dialog box, click **More Settings**.

   The Print Settings dialog box opens.

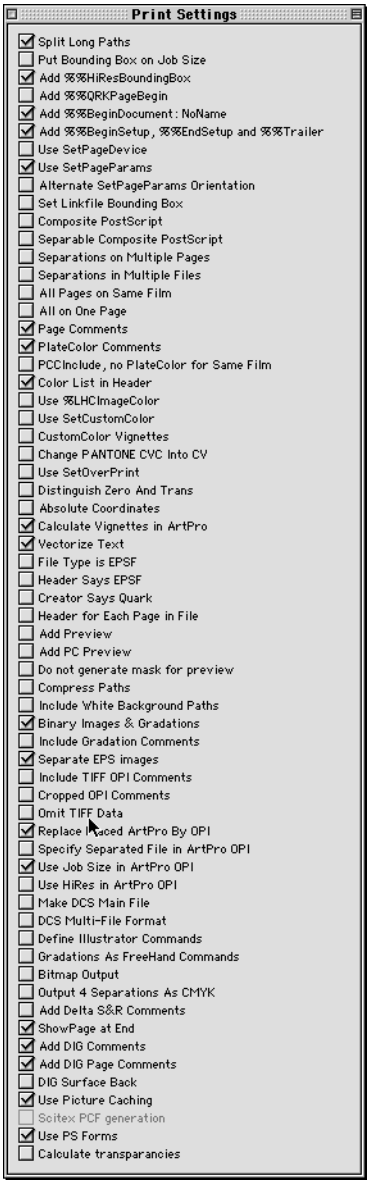


Figure 111: Print Settings Dialog Box

7. Select the check boxes as shown in Figure 111 above.
8. Click **Print**.

   Refer to *Defining the Printer Settings* on page 12 for more specific information on defining the printer settings.

9. Click the **Save** button.

   The Save dialog box opens.

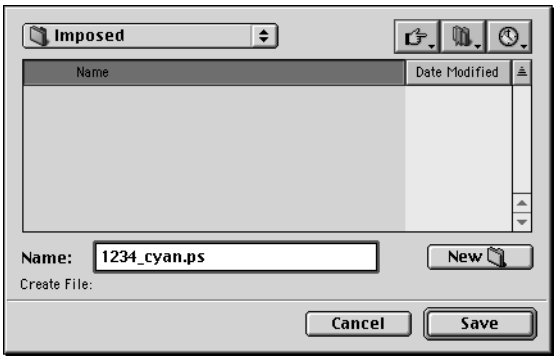


Figure 112: Save Dialog Box

10. Specify a file name and destination for the PostScript output.

    PSForms creates a single file which contains the PS form and a page with links to the subroutine.

    Use the following name convention:

    `myfile.ps`

Once the Step and Repeat PostScript file(s) have been printed to the **Imposed** folder of your job, you can then drag and drop the files into the **PrevDrop** or **ColorDrop** hot folder for creating preview or color proofing files. For imaging to plate, you drop these files into your plate spooler folder. For more information on the **Job** folder setup and hot folders, see your *PlateMaster User Guide*, *PS-to-Press User Guide*, or *Allegro Workstation Software User Guide*.

SPECTRUM WORKFLOW

This workflow is designed to provide a halftone contract proofing solution for the packaging printer. You can create proofs from either a composite or separated PostScript file from ArtPro.

The semiautomatic workflow for the Spectrum system requires working in the Allegro RIP Multiple (Parallel) Mode. For more information on working in semiatuomatic mode, see your *Allegro Workstation Software Release Notes for Trendsetter Spectrum*.

Considerations for the ArtPro to Spectrum Workflow:

- Limitations to the composite workflow are loss of transparency and potential composite file size (that is, number of megabtyes).
- Limitations to the separated workflow is the number of available spot color donors. In both the composite and separated workflow, you need to create job sizes that reflect media size, that is, 4-up (21 x 29) or 8-up (29 x 39). This means that if your plate job size is large than either of these two media sizes, you need to create an additional file for proofing purposes only.

Setting Up Your Job for Spectrum Proofing

You need to make sure that your job size equals either a 4- or 8-up proof size. This may require saving an additional file for proofing purposes only. For more information on proof sizes and orientation, see your your *Allegro Workstation Software Release Notes for Trendsetter Spectrum*.

Composite Spectrum Workflow

This proofing method is best suited for 1-ups for tag and label and 1-up folding carton work, or Step and Repeat files that fit the two media sizes (4up and/or 8up).

This workflow is also recommended when the number of spot colors cannot be supported using the separated workflow.

Open your file with a job size equal to your proof media size. In this workflow, your file can be either your 1-up, a scatterproof layout, or your Step and Repeat layout.

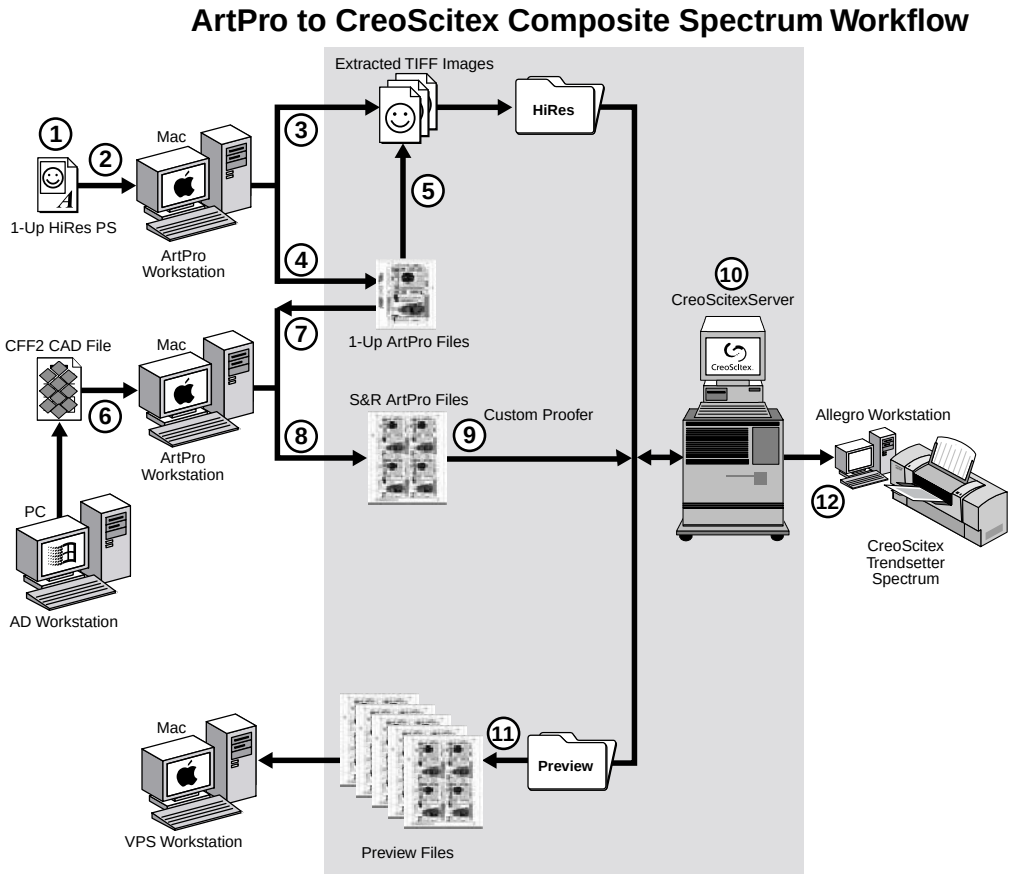


Figure 113: ArtPro to CreoScitex Composite Spectrum Workflow

The following steps describe the ArtPro to CreoScitex composite Spectrum workflow:

1. Your desktop application prints a 1-up HiRes PostScript.
2. The 1-up HiRes PostScript file is imported into ArtPro and then converted to the ArtPro internal format.
3. While importing the PostScript, ArtPro extracts and saves all contone images as TIFF files, and then prompts you for the location for saving the TIFF files.

   Note: Place files into the **HiRes** folder of the job on the CreoScitex Server.
4. The converted graphics in ArtPro are saved as a 1-up ArtPro file.
5. While saving the file, links are made between the extracted TIFF images and the 1-up ArtPro file.
6. A CAD program generates a CAD dieline file for use in ArtPro.
7. In ArtPro, the 1-up file is stepped and repeated to match a dieline (CFF2 or DDES) or in tabular mode (square cut).
8. The new ArtPro Step and Repeat layout is saved for future use.
9. Using the **Custom Proofer** device type option, composite HiRes stepped PostScript files are printed to a hot folder on the CreoScitex Server. No OPI comments are selected in ArtPro.
10. The HiRes stepped PostScript files are delivered to the RIP to generate preview files for soft proofing.
11. Preview files are viewed on the Macintosh workstation with VPS.
12. The HiRes stepped PostScript files are RIPed and sent to the CreoScitex Spectrum output device.

    TIP: In Figure 113 on page 114, the Macintosh workstations are depicted as three workstations. However, all the processes related to the Macintosh can be performed on one Macintosh with the required software loaded.

To print the layout:

1. From the **File** Menu, select **Print**.

   The ArtPro Print dialog box opens.

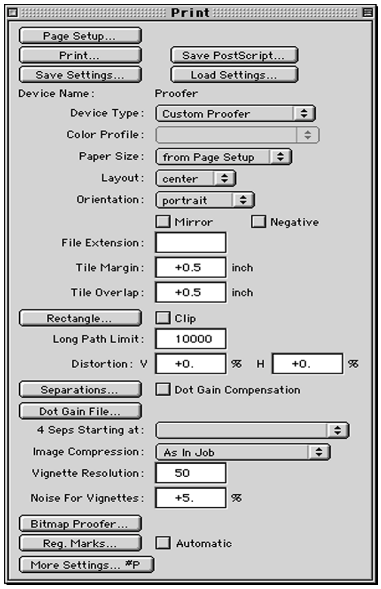


Figure 114: Print Menu

2. Do the following:
   - From the **Device Type** box, select **Custom Proofer**.
   - From the **Paper Size** box, select **from Page Setup**.
   - From the **Layout** box, select **center**.
   - From the **Orientation** box, select:
     - **portrait** for 4-up
     - **turn right** for 8-up
   - In the **Automatic** box, clear the check mark.
3. Refer to *Defining the Page Setup* on page 11 for more specific instructions on how to define the media size and PostScript options.
4. In the Print dialog box, click **Separations**.

   The Output Separations dialog box opens.

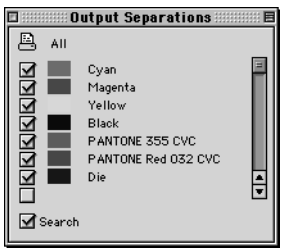


Figure 115: Output Separations Dialog Box

5. Select the check boxes beside the colors you want to print.
6. In the Print dialog box, click **More Settings**.

   The Print Settings dialog box opens.

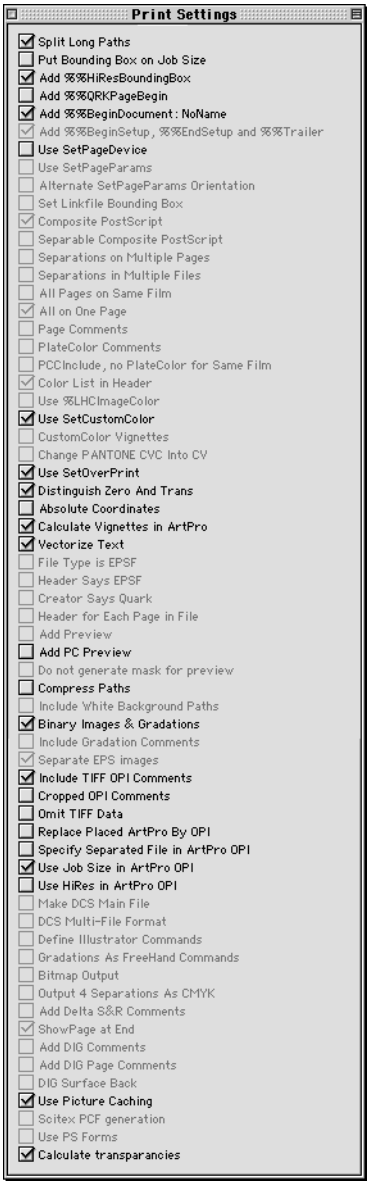


Figure 116: Print Settings Dialog Box

7. Select the check boxes as indicated in Figure 116.
8. Click **Save Settings.**
9. When prompted for a location to save these settings, click the **Applications** folder for ArtPro and then the **Extensions** folder.

   Note: The next time you need to use a composite workflow with the Spectrum, load the settings from your ArtPro **Extensions** folder.

10. Click **Print**.

    Refer to *Defining the Printer Settings* on page 12 for more specific information on defining the printer settings.

11. Click **Save**.

    The Save dialog box opens.

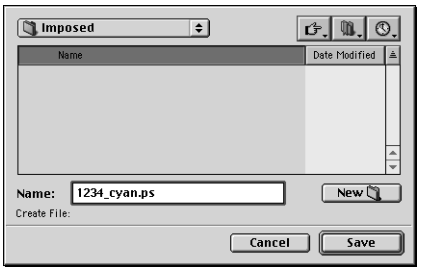


Figure 117: Save Dialog Box

12. Specify a file name and a destination for the PostScript output.

    When this composite file has been printed to the **Imposed** folder of your job, you are ready to create a proof on the Spectrum output device.

Separated Workflow

This workflow is the same as if platemaking, except you create a job size to match the size of the proofing media.

To use OPI for separated file proofing, save your 1-up per the DCS or the DCS and TIFF-based OPI workflow. Then, select **Print** and use the **Creo (layout)** device type option. You can use the DCS or DCS and TIFF-based OPI workflow options for printing your layout. For more information on the DCS workflow, see *DCS Workflow* on page 100. For more information on the DCS and TIFF-based OPI workflow, see *Brisque PCF Workflow* on page 45.

The printing layout procedure described later in this section is for the DCS and TIFF Based OPI workflow. This workflow requires creating a job size equal to either 4-up or 8-up media. For a separated workflow, you need to create two distinct files:

- one for platemaking
- one for proofing

ArtPro to CreoScitex Separated Spectrum Workflow

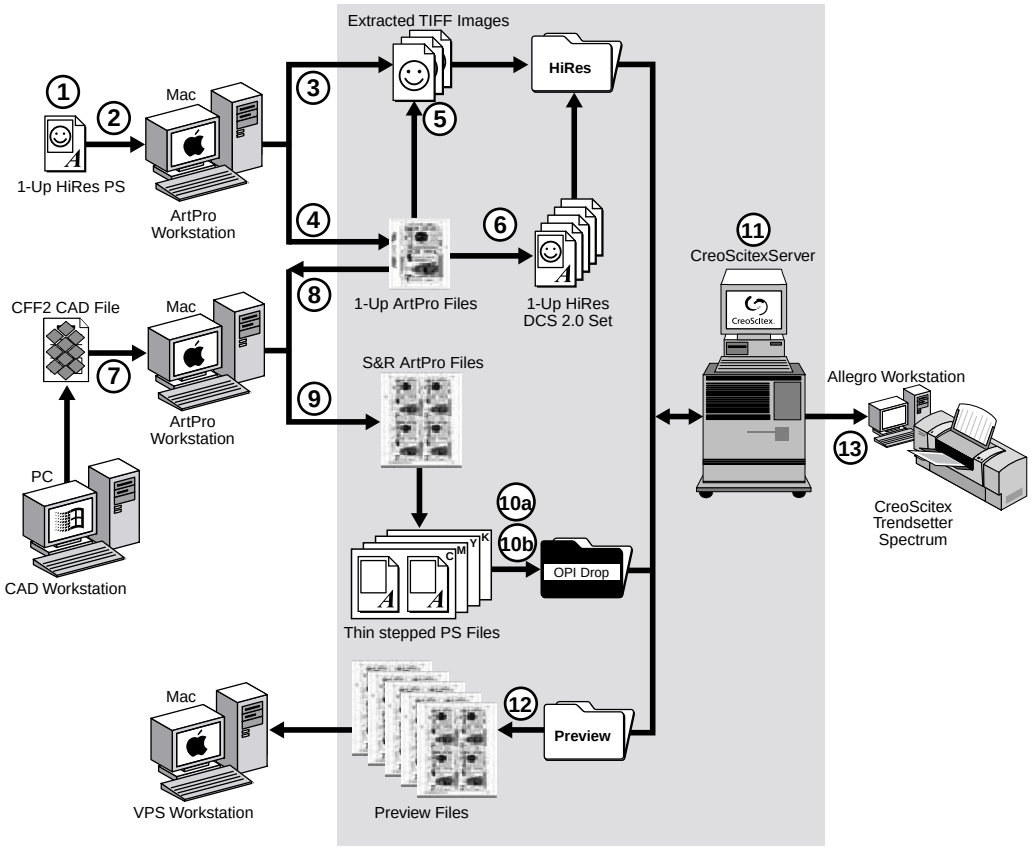


Figure 118: ArtPro to Separated Spectrum Workflow

The following steps describe the ArtPro to separated Spectrum workflow:

1. Your desktop application prints a 1-up HiRes PostScript file.
2. The 1-up HiRes PostScript file is imported into ArtPro and then converted to the ArtPro internal format.
3. While importing the PostScript, ArtPro extracts and saves all contone images as TIFF files, and then prompts you for the location for saving the TIFF files.

   Note: Place files into the **HiRes** folder of the job on the CreoScitex Server.
4. The converted graphics in ArtPro are saved as a 1-up ArtPro file.
5. While saving the file, links are made between the extracted TIFF images and the 1-up ArtPro file.
6. Using the **Creo (single job)** device type option, the DCS file is printed (Save PostScript) to the **HiRes** folder using the 1-up ArtPro file.
7. A CAD program generates a CAD dieline file for use in ArtPro.
8. In ArtPro, the 1-up ArtPro file is stepped and repeated to match a dieline (CFF2 file) or in tabular mode (square cut).
9. The new ArtPro Step and Repeat layout is saved for future use.
10. Using a specified type option, the following files are printed:
    a. Using the **Creo (layout)** device type option, thin stepped PostScript files with the **Replace Placed ArtPro by OPI** check box selected are printed to a hot folder on the CreoScitex Server.
    b. Using the **Custom Imagesetter** device type option with PSForms setting, a thin stepped PostScript file with the **Replace Placed ArtPro by OPI** check box selected are printed to a hot folder on the CreoScitex Server.
11. OPI builds the stepped files by swapping the OPI comments for the 1-up HiRes DCS set. The HiRes stepped files are delivered to the RIP to generate preview files for soft proofing.
12. Preview files are viewed on the Macintosh workstation with VPS.
13. OPI builds the stepped files by swapping the OPI comments for the 1-up HiRes DCS set. The HiRes stepped files are RIPed and sent to the CreoScitex Spectrum output device.

    TIP: In Figure 118 on page 119, the Macintosh workstations are depicted as three workstations. However, all the processes related to the Macintosh can be performed on one Macintosh with the required software loaded.

Printing the Layout (Creo Layout)

To print the layout (Creo layout):

1. Open the file saved in Step and Repeat.
2. From the **File** Menu, select **Print**.

   The ArtPro Print dialog box is displayed.

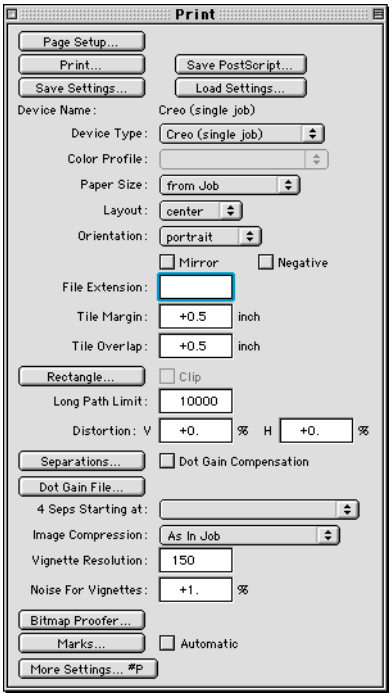


Figure 119: Print Dialog Box

3. Do the following:
   - From the **Device Type** box, select **Creo (layout)**.
   - From the **Paper Size** box, select **from Page Setup**.
   - From the **Layout** box, select **center**.
   - From the **Orientation** box, select:
     - **portrait** for 4-up
     - **turn right** for 8-up
4. Refer to *Defining the Page Setup* on page 11 for more specific instructions on how to define the plate size and PostScript options.

5. In the Print dialog box, click **Separations**.

   The Output Separations dialog box opens.

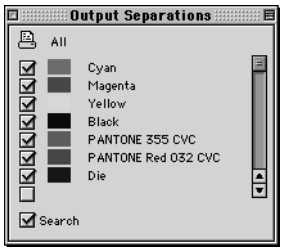


Figure 120: Output Separations Dialog Box

6. Select the check boxes beside the colors you want to print.

7. In the Print dialog box, click **More Settings**.

   The Print Settings dialog box opens.

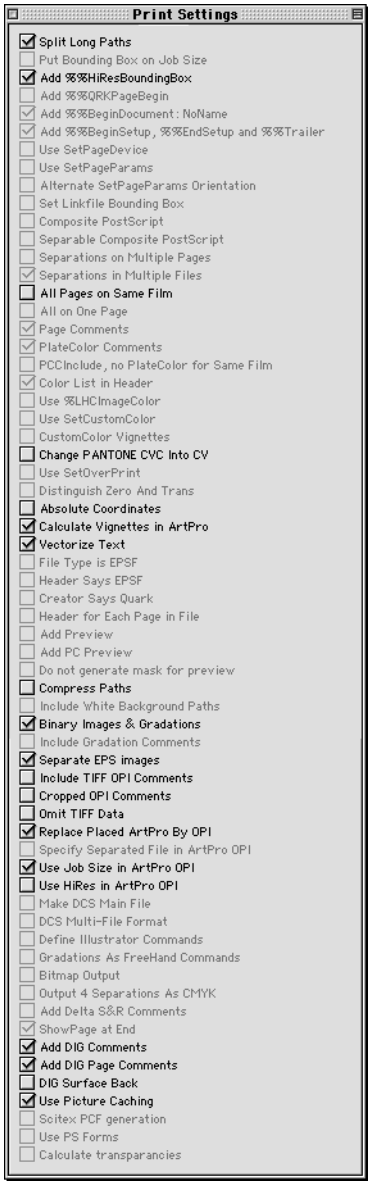


Figure 121: Print Settings Dialog Box

8. Select the **Replace Placed ArtPro By OPI** check box.

   Note: The **Replace Placed ArtPro By OPI** check box instructs the PostScript output engine to include an OPI comment in the stepped PostScript. This comment refers to the control file of the 1-up DCS set you previously saved and placed into the **HiRes** folder of your job.

9. Clear the following check boxes:
   - **Include TIFF OPI Comments**
   - **Cropped OPI Comments**
   - **Omit TIFF Data**
10. Select the **Use HiRes in ArtPro OPI** and **Use Picture Caching** check boxes.
11. Click **Print**.

    Refer to *Defining the Printer Settings* on page 12 for more specific information on defining the printer settings.
12. Click **Save**.

    The Save dialog box opens.

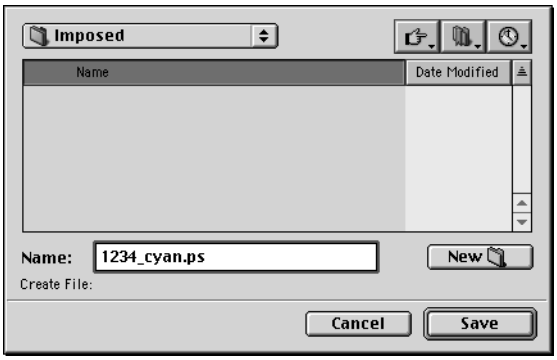


Figure 122: Save Dialog Box

13. Specify a file name and destination for the PostScript output.

    Creo (layout) conforms to separated workflow requirements, such as for PrintLink. When you generate separated PostScript from ArtPro for use with PrintLink, you must use one of the following naming conventions:

    - job number_separation color name.ps

    Or:

    - docket number_separation color name.ps

    TIP: You must use consistent naming conventions for a job—that is, related to a separated PPF—so that the job is easily selected from the input basket. The PPF File Reader workstation can then identify which files belong together.

    Sample names for a job might be the following:

    ```
    1234_cyan.ps
    1234_magenta.ps
    1234_yellow.ps
    1234_black.ps
    1234_spot1.ps
    1234_spot2.ps
    ```
14. Repeat steps 12 through 13 until all colors are printed.

Once the Step and Repeat PostScript files have been printed to the **Imposed** folder of your job, you can then drag and drop the files into your proof spooler folder. For more information on the semiautomatic proofmaking workflow**,** see your *Allegro Workstation Software Release Notes for Trendsetter Spectrum*.

Printing the Layout (PSForms)

To print the layout:

1. From the **File** Menu, select **Print**.

   The ArtPro Print dialog box opens.

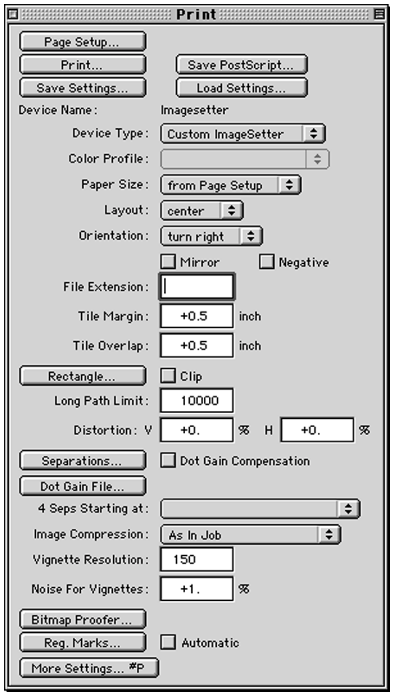


   Figure 123: Print Dialog Box

2. Do the following:
   - From the **Device Type** box, select **Custom Imagesetter**.
   - From the **Paper Size** box, select **from Page Setup**.
   - From the **Layout** box, select **center**.
   - From the **Orientation** box, select:
     - **portrait** for 4up
     - **turn right** for 8up
   - In the **Automatic** box, clear the check mark.
3. Refer to *Defining the Page Setup* on page 11 for more specific instructions on how to define the plate size and PostScript options.

4. In the Print dialog box, click **Separations**.

   The Output Separations dialog box opens.

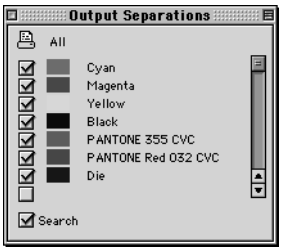


Figure 124: Output Separations Dialog Box

5. Select the check boxes beside the colors you want to print.

6. In the Print dialog box, click **More Settings**.

   The Print Settings dialog box opens.

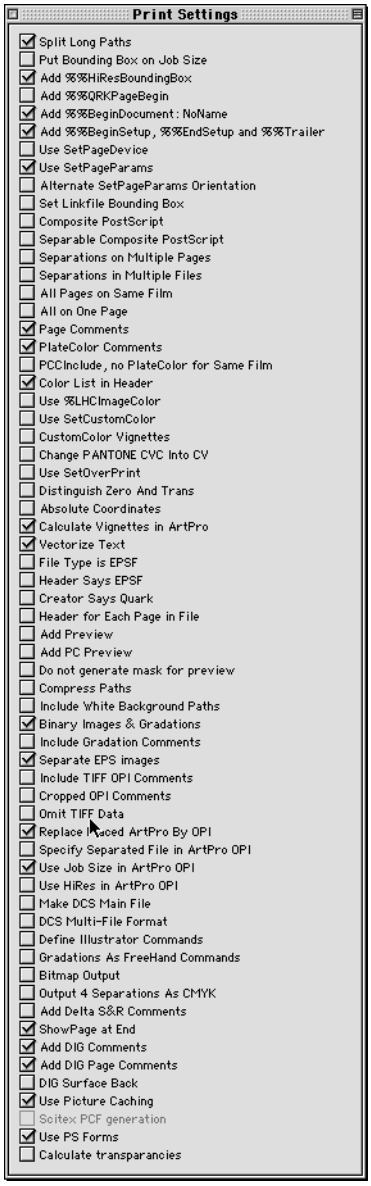


Figure 125: Print Settings Dialog Box

7. Select the check boxes as shown in Figure 125 above.
8. Click **Print**.

   Refer to *Defining the Printer Settings* on page 12 for more specific information on defining the printer settings.

9. Click the **Save** button.

   The Save dialog box opens.

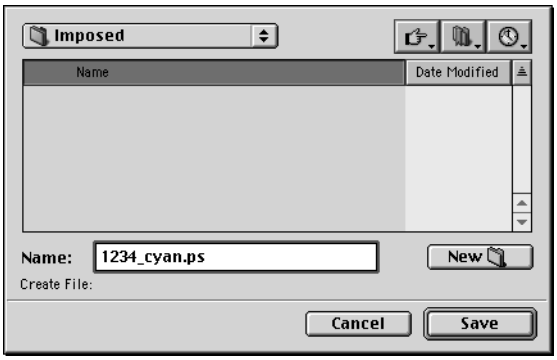


Figure 126: Save Dialog Box

10. Specify a file name and destination for the PostScript output.

    PSForms creates a single file which contains the PS form and a page with links to the subroutine.

    Use the following name convention:

    `myfile.ps`

Once the Step and Repeat PostScript file(s) have been printed to the **Imposed** folder of your job, you can then drag and drop the files into the **PrevDrop** or **ColorDrop** hot folder for creating preview or color proofing files. For imaging to plate, you drop these files into your plate spooler folder. For more information on the **Job** folder setup and hot folders, see your *PlateMaster User Guide*, *PS-to-Press User Guide*, or *Allegro Workstation Software User Guide*.