PS/M V7.0 RELEASE NOTES

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5.296.935 5.313.278 5.323.248 5.325.217 5.331.439 5.333.064 5.339.176 5.355.446

5.359.458 5.367.388 5.384.648 5.384.899 5.412.491 5.412.737 5.420.702 5.459.505

5.473.733 5.481.379 5.488.906 5.497.252 5.508.828 5.509.561 5.519.852 5.526.143

5.532.728 5.561.691 5.568.595 5.576.754 5.579.115 5.592.309 5.594.556 5.600.448

5.608.822 5.615.282 5.636.330 5.649.220 5.650.076 5.652.804 5.691.823 5.691.828

5.699.174 5.708.736 5.739.819 5.742.743 5.764.381 5.771.794 5.785.309 5.813.346

5.861.904 5.864.651 5.875.288 5.894.342 5.900.981 5.934.196 5.942.137 5.946.426

5.966.504 5.969.872 5.973.801 5.986.819 6.003.442 6.014.471 6.016.752 6.031.932

6.043.865 6.098.544 6.115.056 6.134.393 6.164.637

For additional information, see our website at www.creoscitex.com.

PS/M 7.0 RELEASE NOTES

Date: April 12, 2001

Abstract:

These Release Notes contain the changes and additions that have been made since the documentation of Version 6.1 was last released. This document is an addition to the PS/M 7.0 User Guide (PDF File).

These Release Notes feature the new look of PS/M version 7.0.

Table of Contents

Configuration Requirements

Power Macintosh/PCI – From Power Macintosh 9600; For best performance, G3 or G4 is recommended (iMac and Cube – do not support Expose because they lack PCI Card expansion slots, which are needed for either the VLSI or the TSP card).).

Memory – Minimum 128 MB after accounting for system usage; recommended 256 MB.

Free disk space – 200 MB; recommended 400 MB.

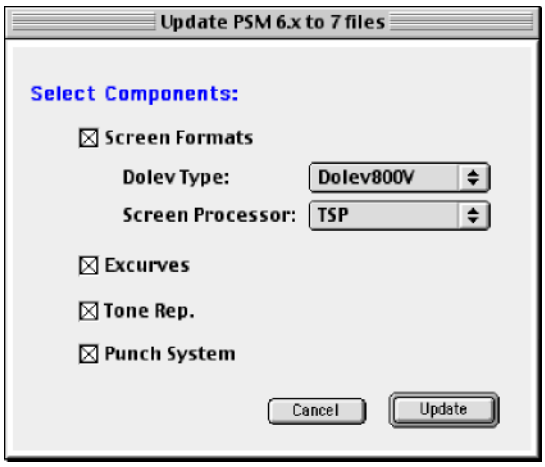
Operating system – 8.5.1 or higher

ADB/USB Port

- For 1 bit TIFF expose, minimum configuration, refer to page 11.
- For CopyDot files, CT quality option, and the new smooth scale option "Bicubic", its recommended to use 110MB in the PPCRipE (if the Mac has enough memory - minimum 256MB).

New Upgrade application

For preserving Screen Formats, Excurves, Tone Reproduction curves and Punch Systems when upgrading from PS/M 6 to version 7 and when reinstalling PS/M 7.



To upgrade PS/M 6.x files to PS/M 7.0:

1. In the Components folder in PS/M 7.0, double-click Update 6.x to 7.
2. From the File menu, select PS/M 6.x to Update. The Update PS/M 6.x to 7 Files dialog box is displayed.
3. Select the checkboxes relevant to the components that you want to update. If you select Screen Formats, you must select your plotter type from the Dolev Type popup. **Only your custom screen formats for the selected plotter are copied to PS/M 7.0 as part of the update. The CreoScitex screen formats are not copied.**
4. Select the screen processor installed on your Macintosh from the Screen Processor popup.
5. Click Update. The files are automatically copied to PS/M 7.0.

New Features

PS/M 7.0 new features are described briefly below. Please refer to the *PS/M User Guide* for more detailed information.

RIP

Supports Adobe PostScript 3 and PDF 1.3.

Smooth Shading Vignettes

One of the enhanced image technologies provided by Adobe PS3 is the **Smooth Shading Vignette** (blends) feature. Smooth shading produces gradient blends in the CT layer. Superior print quality is reached by significantly reducing banding on desktop printers and eliminating it entirely on high-end output devices, such as imagesetters and platesetters.

While the *Scitex Vignettes* and *Vignette to CT* options convert vignettes with spots to CMYK, the Smooth Shading vignettes fully support spot colors.

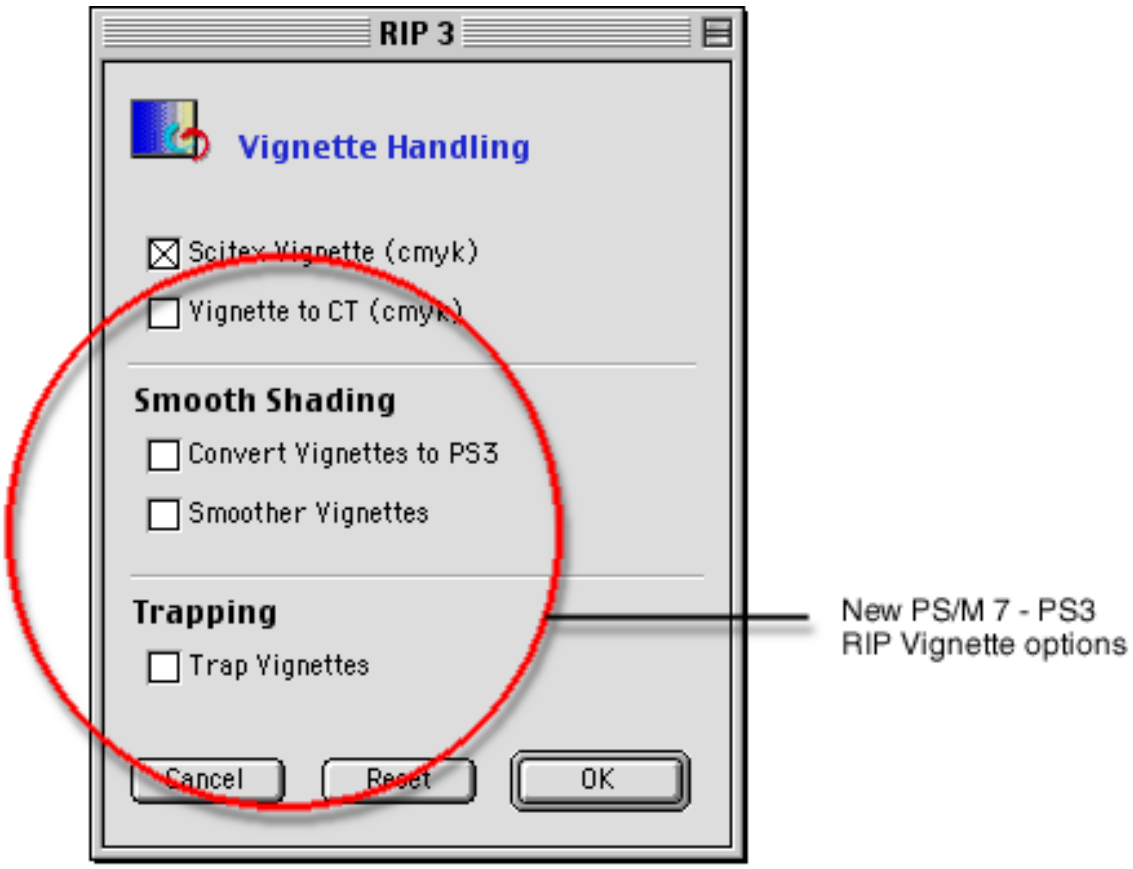
Note: Not all Scitex Vignettes (i.e., vignettes created with Scitex Vignette plug-ins) are treated by the Smooth Shading options. For example, those created in QuarkXPress with Scitex Blends™ XT are not treated as smooth shading vignettes, while Scitex Vignettes in Freehand are treated as such.

Convert Vignettes to PS3 (Idiom Recognition)

PS3 RIP supports native PS3 smooth shading vignettes. Currently, Adobe Illustrator version 8/9 and Adobe InDesign 1.5 are the only DTP applications that create native Adobe PS3 smooth shading vignettes (blends). Other DTP applications that create vignettes can be converted to PS3 smooth shading vignettes using the *Convert Vignettes to PS3* option in PS/M.

Spot colors are supported and are not converted to CMYK, as long as the *Spot Colors* option in the **RIP** tab is set to **All to Spot** or **Specific Info**.

To define the *Vignette Handling* parameters, click the **Vignette** button in the **RIP** tab.



Note: The vignettes are generally RIPped into the CT, however, due to the inherent limitations of each DTP application, the PS/M 7 PS3 RIP may not be able to completely handle the vignettes. Refer to *Appendix B, Vignette Handling Issues* on *page 32* for specific details on PS/M PS3 vignette handling limitations for QuarkXPress, Freehand, Illustrator, and CorelDraw.

Smoother Vignettes

This option should be selected for coarse-looking "Smooth Shading" vignettes with a narrow transformational range. PS3 RIP applies a more complex smoothing algorithm by adding noise to the vignette. This results in lower degrees of transformational change throughout, producing a much smoother vignette.

Note: This option works on non-Scitex PS3 vignettes only, for example those originally created as native PS3 vignettes (currently Illustrator 8.0 only) or PS2 vignettes converted to PS3 by the PS/M RIP (using the *Convert Vignettes to PS3* option).

Tip: Do not select this option as default setting. Only use it when necessary, since most vignettes do not require smoother enhancing and the algorithm increases the RIP time.

Trap Vignettes

This option protects different types of CT vignettes (*Smooth Shading Vignettes*, *Scitex Vignettes* and *Vignette to CT*) from trapping by FAF (*Scitex Full Auto Frames*).

By default, vignettes are protected from trapping (FAF).

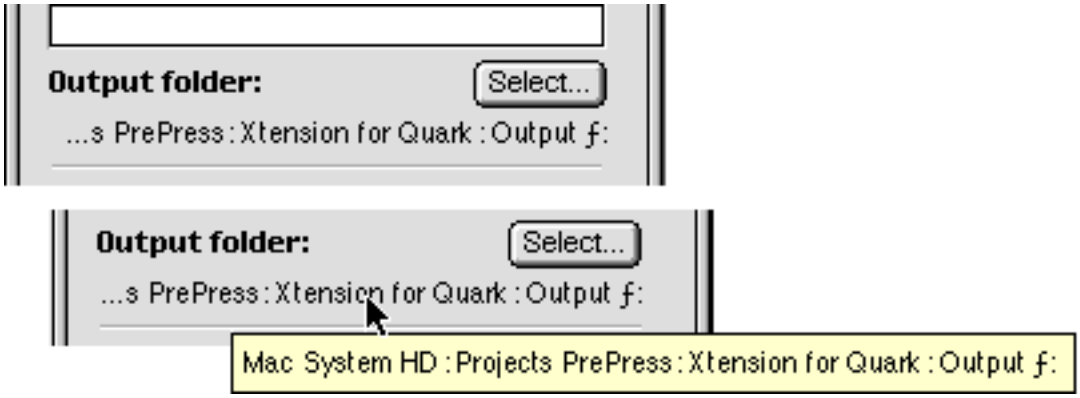
Select the **Trap Vignettes** check box in the *Vignette Handling* dialog box to enable trapping on vignettes, or deselect the **Trap Vignettes** check box to protect vignettes from trapping.

HighRes Duotone Color Mode

PS/M 7.0 enables direct RIPping of Duotone spot CT images (High-Res) to spots (the APR workflow is not necessary for this type of file).

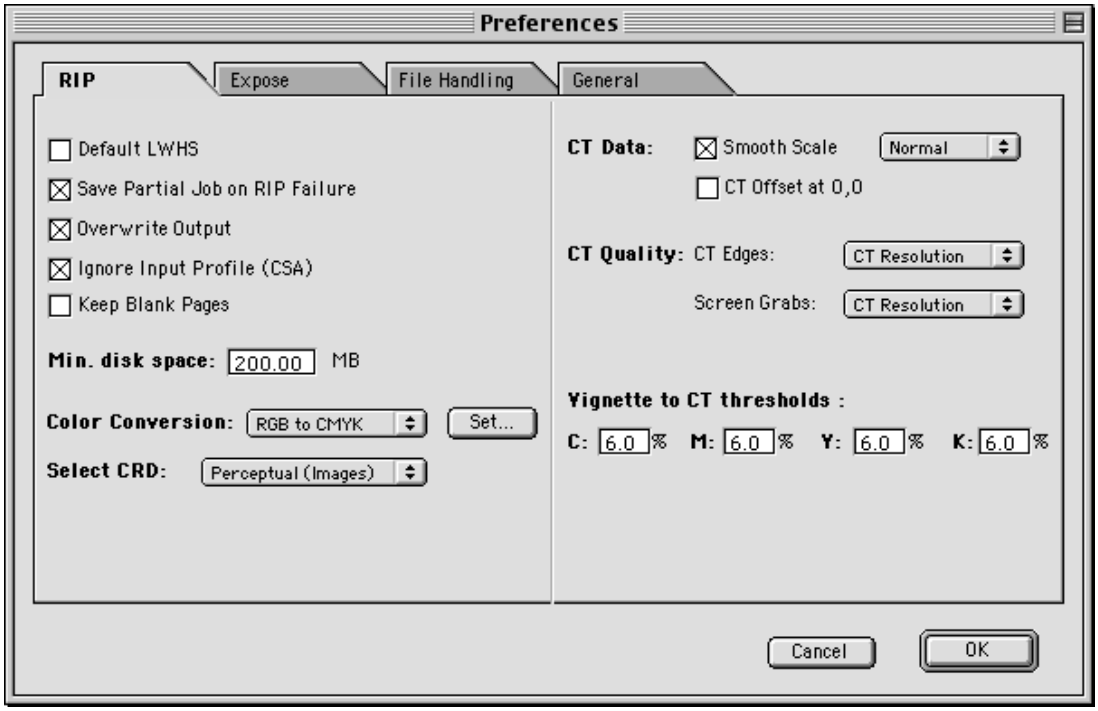
Output Folder Per Job

The **RIP Output** folder can be set specifically for each PS/PDF file in the PS/M 7.0 Queue. This option also improves the Hot Folder workflow, and sets output folder for each Hot Folder.



After RIPping, a message appears in the *Messages* window that includes the location of the files with the full output folder path.

RIP Preferences Parameters



Save partial Job on RIP failure

On RIP failure, the pages that already Ripped successfully will not be deleted, so that the other steps on these pages can be perform (SuperCombine, Expose, etc.).

RIP Overwrite Output

To prevent a Job from being overwritten, deselect **Overwrite Output** in the **RIP preference** tab.

A sequential numerical suffix is added to the name suffix of the new output file, for example, original Sample.job will output as Sample_1.job.

Ignore Input Profile (CSA)

A new color management option is available in the *Color Handling* dialog box, called *Ignore Input Profile (Photoshop)*. This option is intended for EPS files saved in Photoshop 5, or later, with PostScript color management (CSA) profiles only.

Note the following limitations for this new option:

- The option is available for PostScript color management only.
- This option works only with Composite CMYK/grayscale EPS images, either as embedded or HighRes replacement images in the APR/OPI workflow.

To use the Ignore Input Profile (Photoshop) option:

- When you select **Ignore Input Profile (Photoshop)**, CMYK values remain unchanged after the PS3 RIP.
- When you deselect **Ignore Input Profile (Photoshop)**, the PS3 RIP transforms the CMYK values according to the embedded CSA profile.

Keep Blank Pages

When RIPping a multi-page PS file, if a page is empty (with no data), this option retains the blank page and RIPs it to a CreoScitex page. This feature is generally used for Imposition workflow.

CRD Option

CRD is an acronym for “Color Rendering Dictionary”. A CRD contains a set of transformation tables that are used to convert between color spaces (e.g. RGB-CMY, RGB-CMYK).

The default PS/M 7 CRDs are:

Perceptual (Images) **–** compresses the total gamut from one color space into the gamut of another device color space. This preserves the visual relationship between colors by shrinking the entire color space and shifting all colors to proportionally fit the destination color space. Perceptual is used to achieve a more press-like appearance from your digital printer.

Relative – colors that fall in the color gamut of two devices are left unchanged. When a source color falls outside the destination gamut, it is mapped to the closest possible color within the gamut of the target color space. In addition, white point adjustment is performed so that the white areas, which may appear "bluish" on some monitors, will be mapped to white on paper. This rendering intent can cause two colors that appear different in the source color space to appear the same in the target color space.

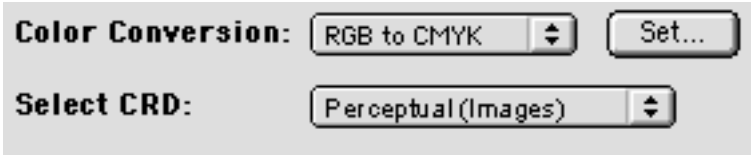
Saturation (Graphics) – reproduces the original image color saturation (vividness) when converting into the target device's color space. The relative saturation of colors is maintained from one gamut to another. Saturation is used primarily for business graphics, where the exact relationship between colors is not as important as are bright saturated colors.

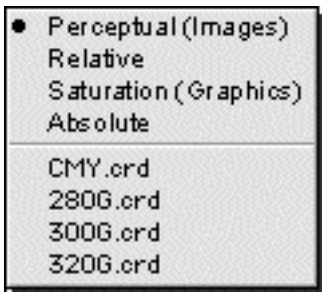
Absolute – colors match exactly with no adjustment made for white points or black points, which would alter the image brightness. For example, a white (no ink) may appear "yellowish" on a newspaper; in Absolute Colorimetric mapping, that same yellow background should appear the same on a proof.

Absolute Colorimetric is valuable for rendering "signature colors", those that are highly identified with a commercial product. It is also used when printing scanned RGB images; for emulating different paper conditions on white paper; and when the printer serves as a proofer for another print device.

PS/M use three sets of CRD's. There are two sets that correspond to the above-mentioned CRD's. The user interface shows only one set of CRD names for these, but the underlying CRD is changed according to the color space conversion selected (one set of CRD's: for "RGB to CMY" and one set for "RGB to CMYK"). The final set (CMY.crd, 280G.crd, 300G.crd and 320G.crd) is provided only for compatibility with Brisque.

Note: Previous versions of PS/M always used the CMY.crd CRD.





Smooth Scale

A new *Smooth Scale* algorithm is available, controllable through the *PS/M Preferences* dialog. The *Smooth Scale* option is now a menu list with two options: **Normal** or **Bicubic**.

Normal – Applies a simple resampling algorithm. (This option is equivalent to the algorithm available in previous versions of PS/M.) It averages the pixels in a sample area, and replaces the entire area with the average pixel color at the specified resolution. Use this option for both upscaling and downscaling an image.

Bicubic (New) – Applies a more advanced Bicubic resampling algorithm than **Normal**. It is used specifically for downscaling images. The algorithm uses a weighted average to determine pixel color, and usually yields better results than the **Normal** downsampling method. This option is the slowest but most precise method, resulting in the smoothest tonal gradations.

Image CT Offset

CT offset, by default, is the CT top left position in the page. This differs from previous PS/M versions, which had a default offset of 0.0.

Non-English Separation Supports (Preferences: 'File Handling' tab)

The RIP supports process colors with non-English separation names. This new feature is enabled by toggling the **Non English Separations Support** check box in the *Preferences, File Handling* dialog box.

- When the **Non English Separations Support** check box is selected, Preseparated PS files with process color names other then Cyan, Magenta, Yellow and Black are recognized by the RIP as process colors *(see table below for supported foreign names*).
- When the **Non English Separations Support** check box is deselected, these process color separations are RIPped as spot colors.

List of supported Latin language process color names:

English	**Cyan**	**Magenta**	**Yellow**	**Black**
German	Cyan	Magenta	Gelb	Schwarz
French	Cyan	Magenta	Jaune	Noir
Dutch	Cyaan	Magenta	Geel	Zwart
Danish	Cyan	Magenta	Gul	Sort
Italian	Cyan	Magenta	Giallo	Nero
Spanish	Cian	Magenta	Amarillo	Negro
Swedish	Cyan	Magenta	Gul	Svart

Note: A definition for Chinese separation names also exists (not documented here).

RIPped files will contain only the separations that were initially used.

SetPage Params (Preferences: "File Handling" tab)

A new option is available for the *SetPage* settings in the *RIP* dialog. The *Size Only* option now appears in addition to the *All* option. The *Size Only* option enables the RIP to use only the page size, and to ignore the page orientation (*Rotate* and *Flip*).

Use short CT/LW names (Preferences: "File Handling" tab)

Use short CT/LW names in the File Handling tab of the Preferences dialog.

This option allows users to disable the suffixes (e.g."–P1_LW ") of the CT/LW files after RIP.

For Example:

PostScript File Name	Use Short CT/LW Names = OFF	Use Short CT/LW Names = ON
Document.ps	Document-P1_CT.CT	Document.CT
Document.ps	Document-P1_LW.LW	Document.LW

PDF Support

Native PDF RIP

File Type

When a PDF file is selected in the PS/M list, the following information is displayed:

- File type
- Number of pages

PDF Spot Colors (in the Specific Info Dialog)

Spot colors in PDF files can be set and modified in the RIP *Specific info* dialog.

Acrobat Spot Plug-In Support

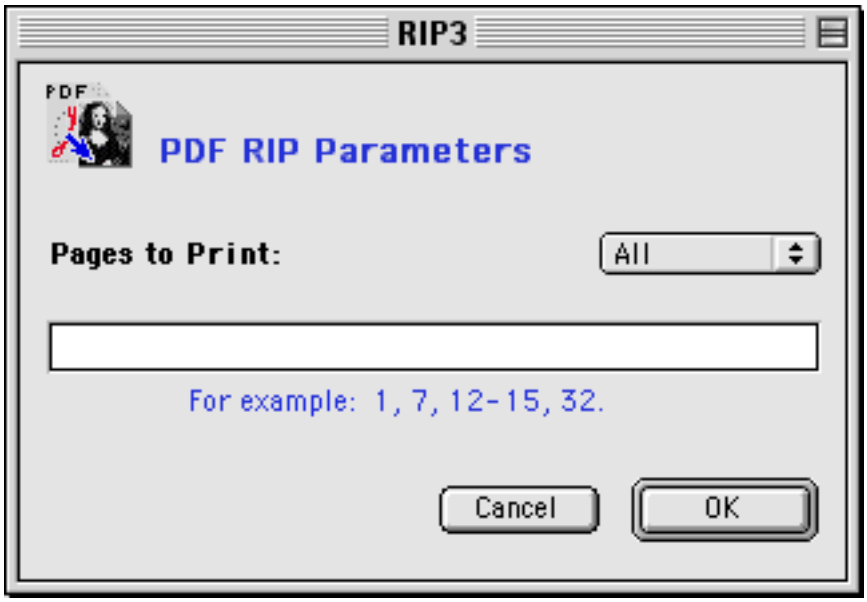
When adding a PDF file to the PS/M Queue, if the PDF contains Acrobat Spot Plug-In comments, and selecting Specific Info for spot colors, the spot color table will be set according to the Spot Color Plug-In settings.

Modifying Expose Screen Set Parameters

Additional PDF screen-set modify support.

PDF Pages to Print

To RIP selected pages within a PDF, select the **PDF** button in the *Select* window. The following dialog is displayed:



The **Pages to Print** text box displays the PDF number of pages, and a pull-down menu is available, enabling you to select the following page ranges: **All**, **First**, **Even**, **Odd** or **Range**.

HighRes Picture Replacement

Additional Picture Replacement support

- APR – support additional TIFF CT image for APR.
- New OPI support.
- New DCS1 and DCS2 for PS workflow support.

Error Handling

When High-Resolution image can't be found during the RIP APR process, we can set the PS/M to Abort the process or to Continue and create LineWork with windows for the CTs, without the CT files.

Use Original APR/OPI Path

When this option is selected in the preferences window, the PS/M APR process will look in PSImage embedded High-Resolution path first.

Use APR Mask (New Algorithm) – From 'High-Res', 'PSImage' or 'Search Both'.

The "Use APR Mask from" in the APR process enables three options:

1. From PSImage
2. From High-Resolution
3. Search Both – PS/M looks in the PSImage for mask, if not exist, looks in the High-Resolution file.

See *Appendix A, High-Resolution PictureReplacment Workflow,* for instructions.

Expose

Dolev Support

PS/M 7.0 contains additional support for Dolev 800V2.

Diagnostic tools

New updated diagnostic tools can be found in the DiagPCI folder in the root folder of the PS/M.

Tiff format

PS/M 7.0 can directly expose TIFF file formats without the need of the RIP process. The following TIFF formats are supported: TIFF CT, TIFF/IT-P1 and 1 bit TIFF in variety of compression types (like LZW, G4 etc).

1 bit TIFF expose, required the following (minimum) configuration:

- Macintosh - G3-Blue & White or G4
- Free Hard Disk Space – **2GB**, during the expose process.
- Mac OS – 9.0 and up.
- PS/M – Dolev Connection – Turbo Screen Processor (TSP).

We also recommend not using decompressed Tiff bitmap, but the compressed one only (e.g. LZW, G4, etc).

Yellow Moiré-Free (for Turbo Screen Processor only)

PS/M 7.0 offers new dynamic screen angles to prevent moiré effect.

Expose Default

When an expose job exceeds the plotter max size, even slightly, the job will fail.

Ignore Carriage Calibration Result

A new checkbox was added to the Machine Params ("Dolev Settings"): "Ignore Carriage Calibration Result". It is OFF by default.

Combine

The Combine resolution can be set between 2 – 36 dpm.

A custom combine file name can be set for each Job in the PS/M Queue.

Merge

The *Merge* option combines a multi-Page Pre-separated PS/M Job into a Composite Job.

Merge is useful for:

- Removing application-defined trapping data from Pre-separated Jobs. Then, if you wish, you may use CreoScitex FAF™ (Full Auto Frames) to trap the Composite Job on the PS/M DFE.
- Merge allows you to supplement missing process color separations from any Page. This is useful if you are exporting TIFF/IT-P1 files, which require full CMYK Pages for output.

Note: Composite Jobs do not contain application-defined trapping data. CreoScitex FAF is unable to trap Pre-separated Jobs on the PS/M DFE.

InkPRO

CIP3 (Cooperation for the Integration of Pre Press, Press and Post Press) is an international committee dedicated to shorten press make-ready time by using the imaging data that is already available by the end of the pre-press stage of production, for Press and Post Press (e.g. printing, cutting, and folding) calculations. CreoScitex currently supports the DIM (Digital Ink Management) and cutting machine interface areas of the CIP3 standard for information delivery.

CreoScitex InkPRO generates CIP3 files in the PPF format that let you automate the press machine ink-keys set-up process. You can also use InkPRO to generate these files in the internal format supported by Man Roland, KBA, Komori, Mitsubishi, Akiyama Ryobi and INKFlow press machines.

InkPRO also generates CIP3 files, which contain page location data for cutting machines.

Either before or after exposing layouts to film or to plate, you use the *InkPRO* operation on the PS/M, to generate very low-resolution CT files from the existing imaging data.

These CT files are further processed on the Macintosh, using the *CreoScitex InkPRO* application. There is NO direct connection from PS/M application to the improof device.

CreoScitex InkPRO carries out all of the required transformations for digital ink management. The resulting ink management file is transferred (via network and/or diskette) to the press machine, where it is used to preset the ink keys. If the press machine does not support digital files, you can print out a table that displays the ink key values, then manually enter the data at the press machine.

CreoScitex InkPRO lets you transfer the ink management file to a connected remote improof device directly from the Macintosh. You can print the calculated ink values in each zone, directly on the imposition proof. This makes the task of ink key calibration more efficient and accurate.

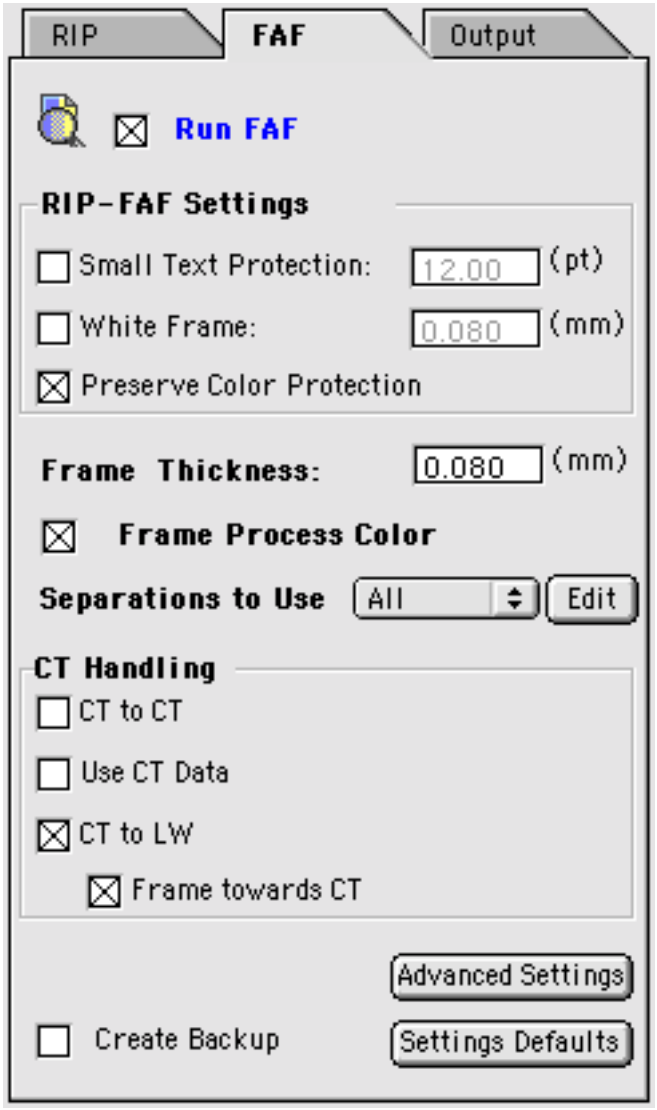
The InkPRO option requires a license and protected with hardware key (dongle).

FAF

PS/M 7.0 includes the FAF engine, and enables you to FAF a Scitex Job without using an external Mac FAF application.

The FAF is a license-protected option. Required hardware dongle key.

FAF Tab



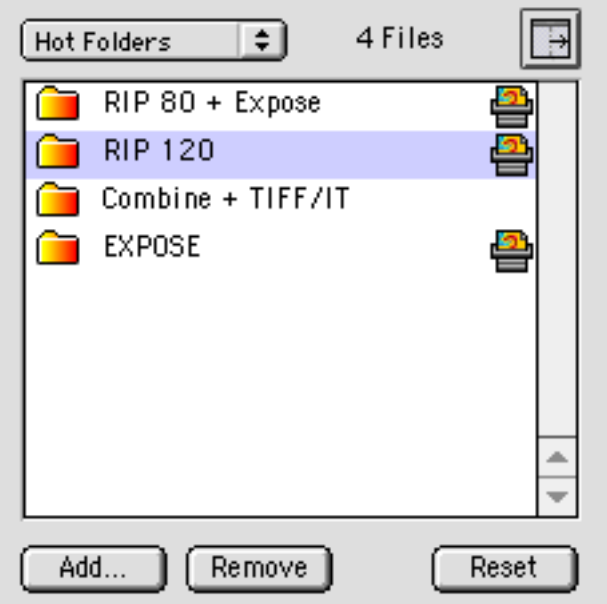
The **Run FAF** check box, located at the top of the **FAF** tab, can be selected to perform trapping, or deselected if you don't want to perform trapping.

This option is available for all Composite Jobs (PS, PDF, Scitex Job/page/LW/assign file).

If a pre-separation PS/Job is selected with the Merge step, the FAF option enabled.

Refer to the *User Guide* for more information about setting FAF parameters.

Hot Folders



Custom Preferences for Hot Folders

There are new options available in the *Setup* menu, enabling you to set custom preferences for each Hot Folder.

Each Hot Folder can use all the global PS/M preferences, or also use some customized preferences.

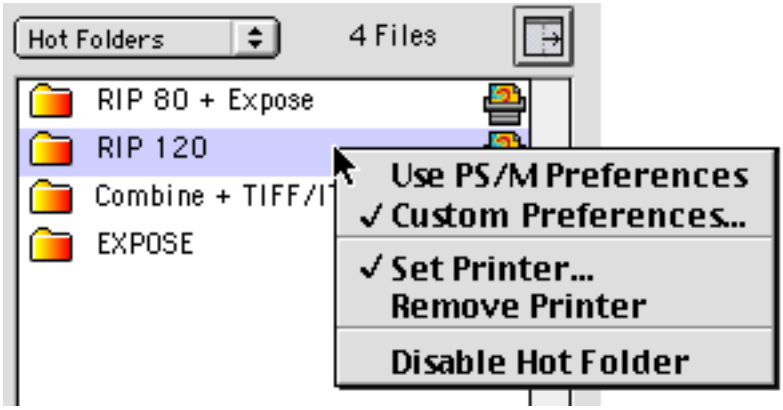
When the *Use PS/M Preferences* option is selected, the Hot Folder uses the current PS/M preferences settings. This Hot Folder is influenced by any changes in the PS/M preferences.

When the *Custom Preferences* option is selected, a *Settings* dialog appears, displaying the parameters that can be customized for the Hot Folder, with the current settings from the PS/M preferences. These settings apply only to the selected Hot folder.

Setting a Hot Folder as a Spooler /Printer

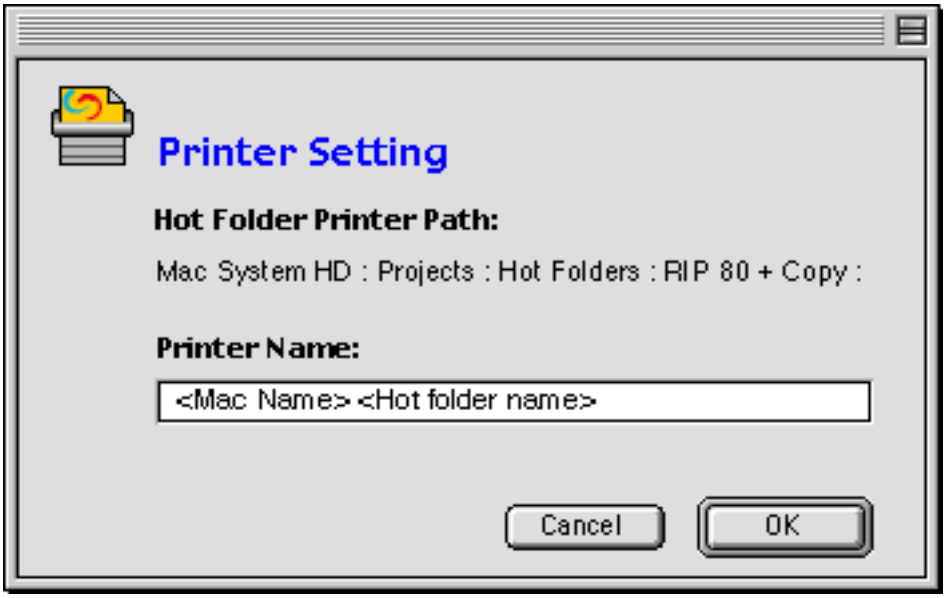
Each Hot Folder can be set as PS/M spoolers or printers in the network (up to a maximum of 16 such Hot Folders).

The Hot Folders can be designated using the *Setup* menu.



If a Hot Folder is set as a spooler, the Spooler Icon appears in the right side of the Hot Folders area, indicating that this Hot Folder is set as a Spooler.

When setting a Hot Folder as a printer, a *Printer Setting* dialog appears and enables the user to define the Printer name.



After the Printer setup is complete, you must restart the PS/M application in order to integrate this printer in the network.

Modifying Printer Settings

The following Printer setting options are available:

- **Remove Printer** – Removes the assigned Printer from the selected Hot Folder in the Hot Folders list. This option is enabled if the Hot Folder has been set as a Printer.

Note: After removing a printer, the Printer is displayed on the network until you restart the PS/M.

- **Disable/Enable Hot Folder** – Controls the status of the Hot Folder.

Printing to a Hot Folder

When a file is printed to a Hot Folder, **this file is generated in the *RIP Server folder*** in the *Component* folder and not in the printer's Hot folder.

When the files are added to the *Queue*, a message is displayed with the specified Hot Folder settings: **<file name> using <hot folder name> hot folder settings**.

File Information

PostScript file information has been improved. In addition, Job, Page, LW or CT (Ripped files) file information can be obtain.

Display Option

The **Preview** button enables you to preview any PS/PDF file, and to display RIPped files (Job, Page, LW, and so on) directly from the PS/M *Queue*.

To enhance the display of PS/M jobs, the CreoScitex PressTouch application can be use. The application can be found in the PS/M CD, under the "Dongle Protected Application" folder.

About CreoScitex PressTouch

PressTouch is an application for the Macintosh computer, and replaces CreoScitex interactive MacFAF and Remake applications. PressTouch enables users to open, edit and trap LW, NewLW and CreoScitex Pages.

PressTouch offers enhanced viewing features, new and enhanced editing capabilities, page assembly features, and fully interactive trapping, similar to the industry-leading MacFAF application.

PressTouch will require a dongle for trapping only. All other operations do not require a dongle.

Format Editor

This option provides default Tone Reproduction tables.

PS/M Shortcuts

Parent	Command	**Shortcut**
File	Add	⌘G
File	Open File List	⌘O
File	Save File List	⌘S
File	Close	⌘W
File	Display	⌘D
File	Print Messages	⌘P
File	Quit	⌘Q
Edit	Undo	⌘Z
Edit	Cut	⌘X
Edit	Copy	⌘C
Edit	Paste	⌘V
Edit	Select All	⌘A
Setup	Preferences	⌘;
Setup, Hot Folders	HF – Custom Prefs	⌘,
Setup	Hires Image Folders	⌘H
Setup	Font Folder	⌘F
Select Window	Info Button	⌘I
Select Window	Preview Button	⌘L
Select Window	Process Button	⌘R
Select Window	Expose Format Modify	⌘M
Format Editor	Expose Format	⌘E

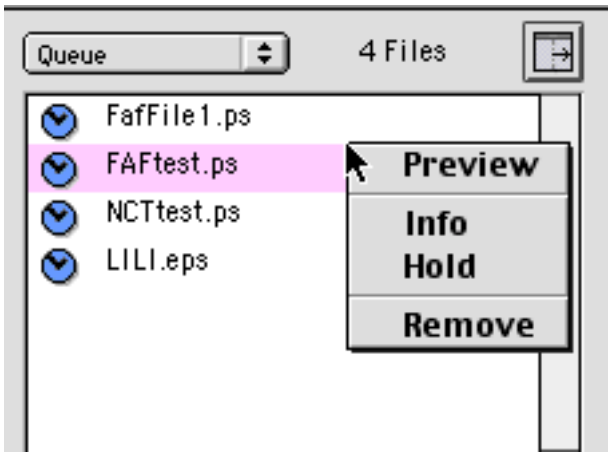
PPDs

New set of PS/M 7.0 PPDs.

User Interface

Control + Click on a File in the Queue

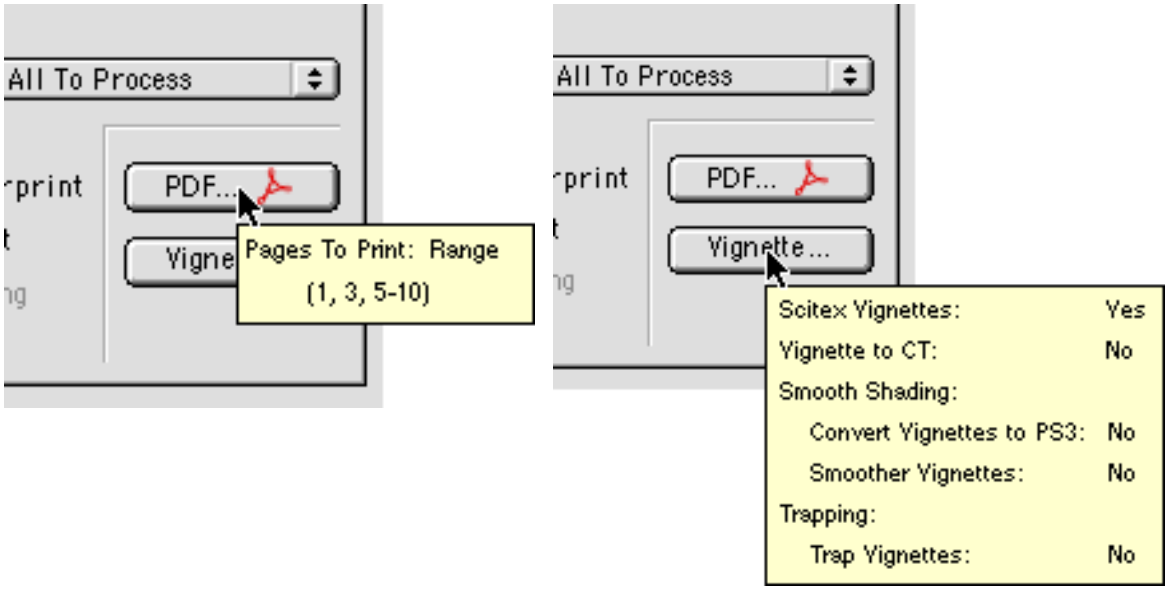
The Control + Mouse click action enables you to perform the *Preview*, *Info*, *Hold* and *Remove* options on a selected file in the *Queue*.



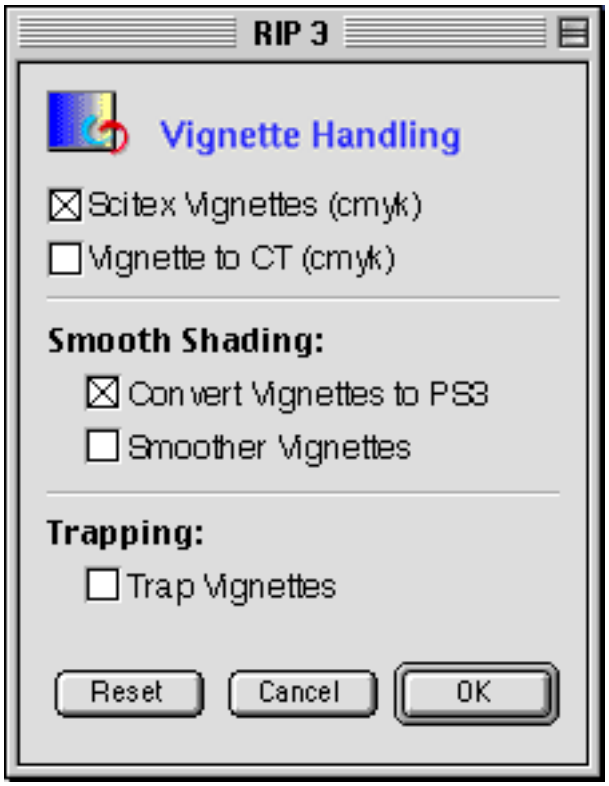
RIP Tab

New **PDF** and **Vignette** buttons open new dialogs for the PDF and Vignettes parameters.

If you hold the mouse cursor over the **PDF** or **Vignette** buttons for at least one second, a tool tip is displayed, showing the PDF/Vignettes parameters settings.

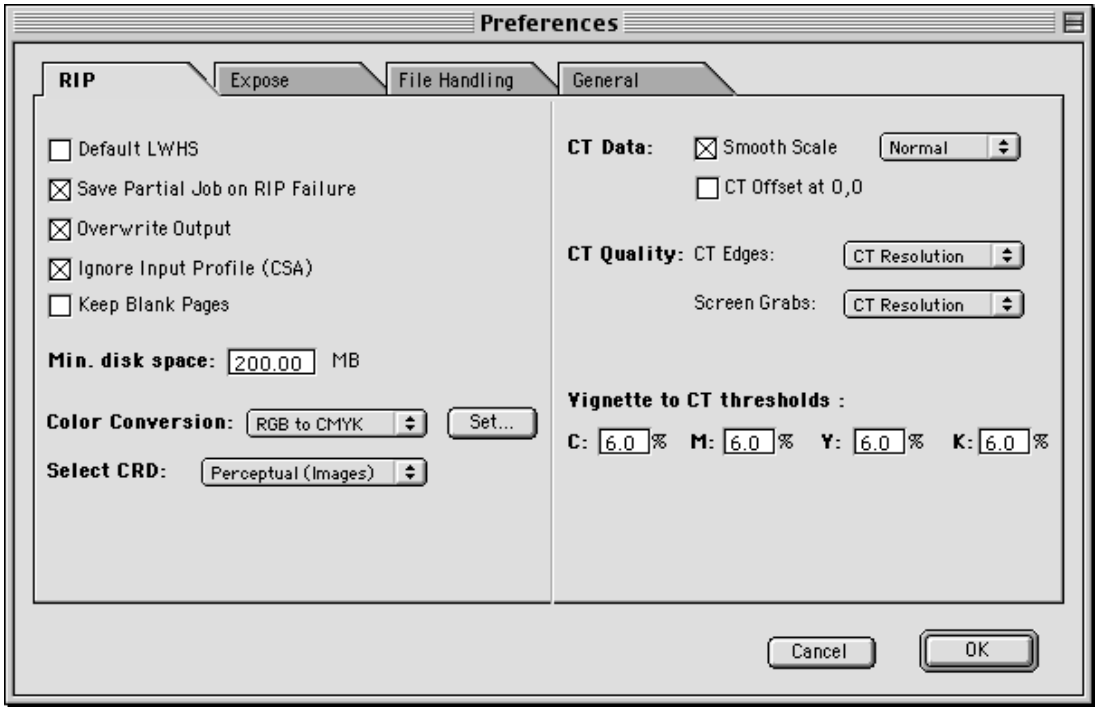


Vignette Handling Window



PS/M Preferences Window

The *PS/M Preferences* window has been rearranged, and contains the following four tabs: **RIP**, **Expose**, **File Handling** and **General**.



Removed Options

VIPSetup

The VIPSetup workflow has been removed from the PS/M workflow. The new Hot Folder spoolers replace this workflow.

Destination –Scitex

PS/M v7.0 does not support LanC card and the **Send to Scitex** option is not available bas from this version. If you want to send files to a CreoScitex production station (Whisper/PS/2), use the CreoScitex Span Pro application.

Automatic Files Companion

The automatic files companion option has been removed. The manual files companion option functions in the same way as in previous PS/M versions (refer to the *User Guide* for more details).

Comments

- The PS/M 7.0 uses a new Dongle (hardware access key) for the PS3 RIP. This Dongle does not support the RIP level 2, and cannot be used for previous PS/M versions.
- Password protection removed from "TIFF/IT" and "Combine" options (in the Output Tab).
- After PS/M 7.0 installation, Hot Folders have to be rebuilt, due to the new PS/M parameters and workflow.
- Fonts
    - To add new fonts, you must create a folder called Fonts.
      New fonts must be placed in this folder. This folder must reside in a parent folder. If, for example, your fonts folder resides in a folder called My Fonts, you must define My Fonts as the path that the PS/M will use to find the fonts.
    - True Type fonts that are not embedded in the PS file, should be translated to 42 type through the "TrueType2PS" application, otherwise these fonts and will be replaced with the replacement font defined in the PS/M preferences.
    - Usage of Latin fonts with PS/M does not require the FontDownloader application. New fonts are copied to the system font folder (or any another place).
- If your Macintosh accepts both USB and ADB dongles (including using iMate adapter on G4), they may not be used concurrently. PS/M does not recognize the ADB dongle. When USBMicroguardDriver is installed, the Aladdin (MicroGuard) software library detects it, and stops looking for dongles on the ADB bus.
- When the *Files Put in Queue* folder is moved from its location in the Hot Folder, the Jobs are still created in the folder in its new location.
- When changing the following Preferences parameters, the PS/M should be restarted in order to apply these changes:
    - Save Partial Job on RIP Failure
    - Non English separation Support
    - Select CRD
    - Minimum Disk Space
- When disabling Hot folder (Click on the Hot folder icon in the Hot folder list), the Hot folder **printer** remains active.
- Page Handshake file will be created automatically if the page base LW is LW Handshake. For page Handshake creation, the “Default LWHS” option, in the PS/M preferences, must be checked.
- The folder “PPDs 2.2/5.0” (residing in the “For Remote Users”) is replaced by the folder “PS/M 7 PPDs”.

- The files “Curve.test & Tone_Test.ps have been replaced by “Curve Test.ps” and “Tone Rep Test.ps”, respectively.
- The application “DiagPlotters” was moved from the path: CreoScitex PSM 7: Components: Dolev Files: Application to the path: CreoScitex PSM 7: DiagPCI - DiagPlotters: TSP PCI Diag.
- Vignettes created with PS3 native applications (such as Illustrator 8 & 9) will always RIP to the CT layer, regardless of PS/M settings. This is because these files contain the RIP 3 “Smooth Shading” operator.
- The following CT files are added to the Installer CD for Dolev calibration tests (that do not require RIP dongle):
  - Installer CD → Prinergy calibration files → ToneRep Test.sct
  - Installer CD → Prinergy calibration files → Curve Test.sct
- The following USB devices were tested successfully with PS/M:
  - UMAX UmaxSOHO USB04 - a 4-port USB Hub
  - Keyspan USB Card - a 2 port USB PCI card

Known Bugs

- Adobe Illustrator 9 EPS files that include the new features will fail to RIP correctly on PS/M. New features in Illustrator 9 cause Ripping problems for the Acrobat Distiller, as well.
  Workaround
  Save the EPS in Illustrator 7 or 8-compatible format. (All new feature effects will be lost).
- Quark spot XT is ignored when file is printed via Helios 2.5 Server.
- CTQ fails on file that contains LW only with more than 22 spots.
- CT Quality - No CT edges are created between 2 SPOT CTs or between a CMYK CT and a SPOT CT
- Ripping a file, that has a spot CT, with "Specific info" and Screen Grabs in LW res creates a corrupted CT, with a gray icon, and a corrupted LW.
- Do not use "CT Offset at 0,0" (checkbox) - Bad results.
- Files from PowerPoint fail in the RIP when CT Quality is used.
- When setting a Hot folder as a network printer, it is still possible to print directly from any DTP application to the HF Spooler – all from the local PS/M station – however, after several prints the spooler will get stuck and jobs will not reach the Queue.
- Changing the Min. film feed in the Punch will have no effect on the film.
- CopyDot RIP fails properly when not enough memory, creates partial job.
- Converting one of a duotone spot to process will result in a CMYK job.
- Ripping file from Freehand that contains 2 spot vignettes (Preseparated), will create just separation. In Composite, the rip will recognize Smooth Shading, and convert the Separations to process.
- Step & Repeat causes registration marks to appear inside the image.
- Files RIPed with CTQ, FAF and Backup in FAF will not expose.
- PDF's will crash the Rip if the HiRes handling Preferences are all off, i.e. APR, OPI, DCS.
- Spot to tint vignettes in CorelDRAW become black when using the “Convert Vignettes to PS3” option in the Vignettes button.
- When selecting “Preferences” in the Expose Formats (Format Editor menu), Dolev2Press is missing from the device list.

- If you are using any of the following Screen sets, please apply the following changes:

Screen	Machine	Dot	Required change
Vc300r14m	Dolev800	Geometric	Spinner speed = Auto / Change to 9600
Vs600r14c	Dolev800V	Composed	Spinner speed = Auto / Change to 9600
Vs300r14c	Dolev800V	Composed	Spinner speed = Auto / Change to 9600
Vc300r14c	Dolev800V	Composed	Spinner speed = Auto / Change to 9600

Limitations

- When installing PS/M do not use any of the following special characters in any of the folders hierarchically containing the application:

@	^	*	(	)	/	\	;

- Do not name folders containing Hires files with the following special characters:

@	(	)	/	\

- Do not use the following special characters when naming Hires files:

!	@	(	)	/	\

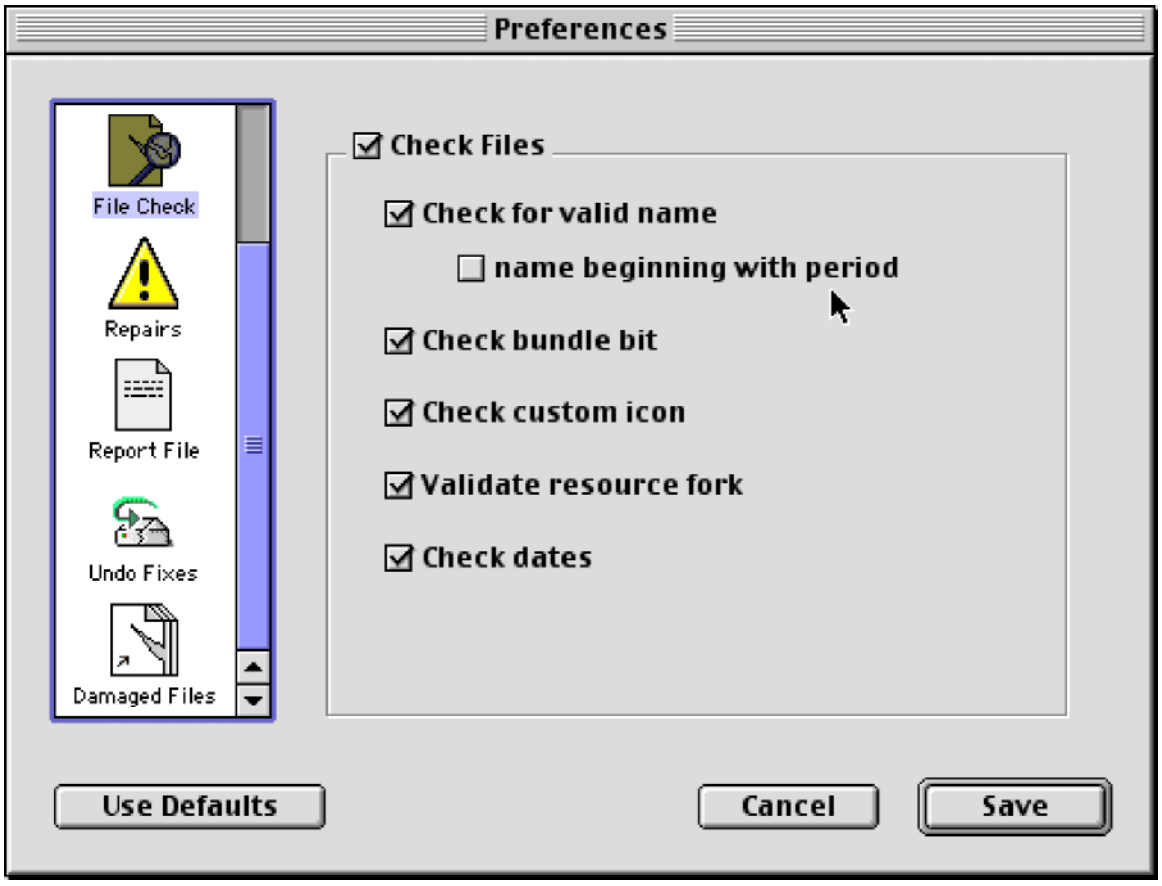
- Do not use Slash character (/) in spot color names.
- Preview of DCS files looks like B&W but RIPs OK.
- Password-protected PDF files are not supported.
  Workaround
  Open the PDF in Acrobat and save without a password, and re-RIP.
- When defining Spot Colors, do not put a space character at the beginnig of the spot name. Such a spot color will be converted to process.
- The highest resolution setting (1440dpi) in the “Output for Improof” part of the InkPRO application is not fully supported.
- DCS2 with spots cannot be ripped using all to process. CT will be blank after RIP.
- PS/M will not look deeper than 5 hierarchically folders for Hires files.
- Vector EPS from Illustrator will fail if Omit Tiff and EPS is used with Quark.
- If the PS/M is connected to a Dolev 800E (recognized in the config as 800VPlus), the spinner speed field in the screen set dialog allows values between 3,000 and 14,000 whereas it is limited up to 12,000. Exposing a job with a higher spinner speed (than 12,000) will cause the expose operation to fail.
- TrueType fonts converted to Type42 fonts not always recognized by PS/M, therefore TrueType fonts which are not embedded in the PS are not fully supported.
- PS/M is not fully compatible with the "Fogra" control strip - Some patterning appears after the RIP in a certain area of the strip.
- PS/M does not show the HighRes images of a DCS2 file in the PostScript Info Dialog.
- Problem with QuarkXPress version 4.1 – “Omit TIFF & EPS” and “APR Print XT” not working.
- The “Info” dialog for Duotone EPS files shows only one separation instead of 2 and incorrectly displays a CMYK color space.
- PDF with internal rotation will be RIPed incorrectly. When the RIP application first launches, the file will be rotated again. Performing a secong RIP will result in a wrong

offset. **Workaround**: Deselect the "Setpage Params" in the Preferences window (File Handling) and add "Rotate" before RIPing the file to compensate for the extra rotation.

- wrong frame direction when trapping (FAF) spot text over a black background.
- Presep Ps w/EPS JPEG will come out with K only. **Workaround**: Print Composite or convert the file to PDF.
- Clipping path will always be taken from the lo-res if the Hi-res is a TIFF file
- Photoshop 4 (only) duotones must have Black defined as the first color.
- Password protected PDF files are no supported in this version. **Workaround**: Open the PDF and resave without password.
- **Force Gray with APR:** The *Force Gray* option that appears in the Select window does not work properly during the APR workflow. If you attempt to apply this option to a Job whose defined processing parameters include High Resolution Picture Replacement (CreoScitex APR workflow), only the Black Separation data of the High Resolution image will be processed during the RIP.
- **Duotone CT using All To Process option:** The *All To Process* mode does not work properly with files that contain Duotone mode CTs. The CMYK equivalence values are not identical to the original file colors.
- Placing an EPS with clipping path over a Duotone CT - Ripping preseparated then Merge and exposing with the Blueline option: the clipped EPS will disappear.
- Direct RIP of a PDF with Spot CT is not supported in this version.
  Workaround
  RIP a PDF file with Spot CT only, by exporting the PDF back to PS using the Acrobat ExportPS plug-in.
- PostScript files containing both OPI comments (printed with *Omit Tiff* or *Omit Tiff & EPSF* in QuarkXPress) and a PSImage file (.e), are not yet supported in this version.
- Cropped PDF pages can be RIPped on the PS/M. Adobe Acrobat enables you to edit PDF documents in various ways, such as page cropping.
  - The Crop tool in Adobe Acrobat enables you to adjust the page margins in a PDF document either on a page-by-page basis, or on a global document basis.
    To RIP a PDF file with cropped pages, do one of the following:
    - From Adobe Acrobat, export the cropped PDF file to a PostScript file, and then RIP the PostScript file on the PS/M.
    - RIP the cropped PDF file on the PS/M ensuring that the **SetPage** check box (in the RIP *Preferences* window) is deselected.
- APR (Automatic Picture Replacement) does not support distilled PS files printed from QuarkXPress with the *Omit TIFF & EPS* option activated.
- **Preseparated PDF** RIPping a Preseparated PDF will always create a separate page for each separation. Distilling a Preseparated PS file can create Preseparated PDF.

Workaround
Open the PDF with Acrobat, and export it back to PostScript.

- **Vignette to CT** – When this option is selected and the postscript file contains a vignette (without using either "Scitex Vignettes" or "Convert Vignette to PS3") the CT offset will be 0,0 regardless of the settings in the Preferences: "CT Offset at 0,0".
- If a Duotone image has a Spot color defined before Black, the RIP will swap the separations if using Low- res workflow.
- **Error Message 5041 (replacing error # 5021)** - Error message 5041 indicates a corrupted marker file name. If Norton *Disk Doctor* has been used on your Mac since you installed the PS/M, the four PS/M marker file names that should begin with a period (.) are corrupt. Norton *Disk Doctor* replaces the period (.) with a hyphen (-).
  To correct this problem:
  Deselect the **name beginning with period** check box in the Norton Disk Doctor *Preferences* screen.



Alternatively, you can rename the corrupted files manually, as follows:

1. Leave the **name beginning with period** check box selected, and locate the corrupted files (according to the paths indicated in Tables 1 and 2 below).
2. Replace the hyphen (-) with a period (.)

Folder: DolevPSM/Components/DolevFiles/Application/Version/Markers/Page

Corrupted File Name	Correct File Name
-ScitexMarkers	.ScitexMarkers
-UserDefineMarkers	.UserDefineMarkers

Table 1

Folder: DolevPSM/Components/DolevFiles/Application/Version/Markers/Plate

Corrupted File Name	Correct File Name
-ScitexMarkers	.ScitexMarkers
-UserDefineMarkers	.UserDefineMarkers

Table 2

- **Out of Memory Message** - If an *Out of Memory* message appears, try increasing the RIP memory allocation.
- FAF cannot be performed on Jobs with CT quality. To perform both CT Quality and FAF, use both in one process.
- Scitex vignettes are not supported in PDF

Appendix A

HighRes Picture Replacement Workflow

To incorporate HighRes images in PS/PDF files, the PS/M DFE supports any of the following workflows:

Embedding – The HighRes files are physically embedded in the PS/PDF file. The result is a very large file.

- **OPI** – The PS/PDF file includes placeholders that point to the HighRes files located on an OPI server.
- **APR** – The PS/PDF file includes Low-Res PSImage (.e) placeholders that point to the HighRes files located on a Mac station or other server.
- **DCS** – A Composite PS file that includes a DCS Master file and placeholders that point to the HighRes files located on a Mac station or other server.

When you embed the HighRes files, you include the HighRes graphics directly in the predecessor PS file. For example, you can use the *Include Images* option from the **Print** menu in QuarkXPress.

When you work with OPI comments, you include pointers to the HighRes files within the PS/PDF files. In this case, print your files in the DTP application using the OPI comment (for example, **Omit Tiff** or **Omit Tiff & EPSF** in QuarkXPress) and ensure you place the HighRes files in the HighRes path you specified on the PS/M, OPI server, NT server, and so on. Alternatively, define a new path on the PS/M DFE that points to the location of the HighRes files.

In the Scitex APR workflow, you can create a Composite PostScript file containing a Low-Res PSImage (.e) placeholder, or you can print directly from QuarkXPress using CreoScitex Print Xtension. You can then distill the file with Acrobat Distiller (using the **CSDistillerStartup.ps** file). Make sure you place the HighRes files in the HighRes paths you specified on the PS/M DFE. The advantage of using the APR workflow, instead of the OPI workflow, is the APR's support of spot CTs in PDF files.

Support software for PDF APR workflow:

If you are using Acrobat Distiller 3.x or later to distill your PS files to PDF, place the **CSDistillerStartup.ps** file in your **Acrobat Distiller Startup** folder (PC and Mac). This startup file enables Acrobat Distiller to process PSImages.

PDF-APR Workflow

In order for the PS/M to support the PDF APR workflow, the **CSDistillerStartup.ps** file must be installed on your Mac or PC Acrobat Distiller.

The **CSDistillerStartup.ps** file located on the PS/M installer CD-ROM -> *CreoScitex Utilities -> For Adobe Illustrator* folder or can be download from: http://www.creoscitex.com/support/.

1. Quite Adobe Acrobat *Distiller* application.
2. Macintosh and Windows users, copy the **CSDistillerStartup.ps** file to *Adobe Acrobat 4.x/ Distiller/Startup* folder.

After the **CSDistillerStartup.ps** file has been copied to your system, launch the **Acrobat Distiller** application to create a PDF from a Composite PS with a PSImage (.e) file.

Note: PostScript files that are created in Adobe Acrobat using the Print (and not *Export PS*) command are not supported in the PDF-APR workflow.

Appendix B

Vignette Handling Issues

In this appendix, we describe how the PS/M DFE handles vignettes originating from various off-the-shelf DTP applications. Our goal is to assist you in selecting the correct settings in the PS/M 7 RIP, so that your special colored vignettes are converted to CT with the spot information (see the table on the following page).

DTP Applications Tested by CreoScitex for Vignette Handling

Quark

FreeHand

Illustrator

CorelDraw

General Notes:

If your Page is saved according to the settings in the table on the following page, CMYK vignettes should always be RIPped to CT.

Scitex vignettes tools (i.e., Scitex Blends™ XT for QuarkXPress) work in CMYK color only.

When printing from QuarkXPress in Composite mode, keep the Scitex Spot Color™ XT open while printing, and always set the RIP to **Spot Color: Specifi**c.

If you are using QuarkXPress with Scitex Blends™ XT while your Page has Spot elements, and you RIP the file with *Spot Color: Specific* and *Scitex Vignette* options activated, the vignettes will be RIPped to CMYK CT, but the spot information of all other elements will be retained. (Unlike in PS2, in which the vignettes were converted to LW).

When creating multi-spot vignettes in FreeHand, the application converts the vignette to CMYK. However, areas within the vignette that contain 100% of the spot color will remain as the spot color, and are not converted to CMYK.

When an EPS from Illustrator is imported into any other DTP application (such as QuarkXPress), you should print the file with the necessary settings, specific to the DTP application you are working from, according to the table on the following page. RIP the file with the *Spot Color: Specific* or *All to Spot* option.

PS/M does not currently support spot color vignettes created in CorelDraw 8.

Use the settings in the table to ensure that your vignettes RIP to CT

DTP Application	**Ver.**	**Extension/Plug-in Required**	PS RIP3 Vignette Handling Setting	Exceptions/Comments /Vignette type
QuarkXPress	3.32 and later	Scitex Spot Color XT	Convert Vignettes to PS3 selected	Any color combination

Illustrator	6	EPSF Rider file	Convert Vignettes to PS3 selected	Only Spot to Itself or Spot to White Only "Linear" vignettes Save file as EPS
	7, 8	None required (also works with EPSF Rider file)	No vignette option selected	Use the "Gradient" tool Save file as EPS *Spot to CMYK* not supported
FreeHand	7	None required (also works with Scitex.prp)	Convert Vignettes to PS3 selected	Vignettes converted to CMYK CTs
	7, 8	None required	No vignette option selected	Spot vignettes in the LW only. Only *Spot to White* (in FH7 and FH8) and *Spot to Itself* (in FH8) remain as spots, all other combinations convert spots to CMYK
CorelDraw	8	None required	Convert Vignettes to PS3 selected	Linear & Radial vignettes converted to CMYK CT Conical & Square vignettes converted to CMYK LW