



Digital Photo Imaging Flatbed Scanning

Photoshop Scanning Procedures Using Epson Flatbed Scanners

Acquire accurate and complete information from personal color and b/w photographic prints using several types of flatbed scanners. Follow these exact steps in order to alleviate any potential problems with color casts, limited pixel information, and restricted tonal ranges.

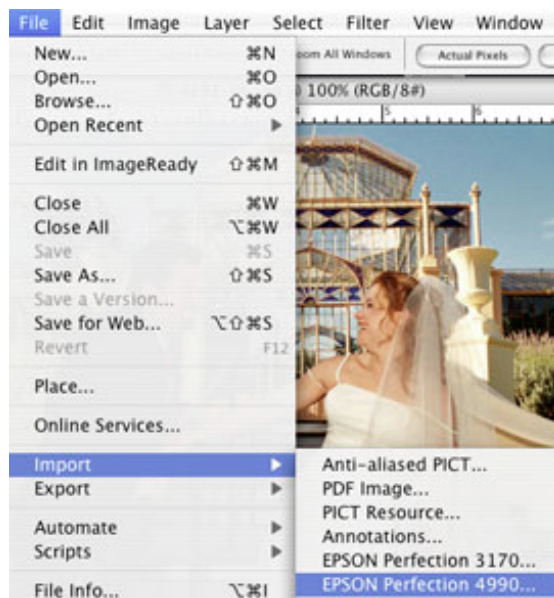
Photographic Prints, Documents, Negatives and Slides:

1. Make sure to switch the Epson flatbed scanner to **ON** before attempting to launch the Adobe Photoshop program. The green light on the scanner flashes when information is being transferred to the computer.

* It is best to wait until the green light is solid before launching any computer programs or making any changes.

2. Place negatives/slides emulsion side up, and prints image side down. **Launch Adobe Photoshop** and go to **File>Import>Epson Perfection**. This will activate the Epson software from which you will scan your imagery.

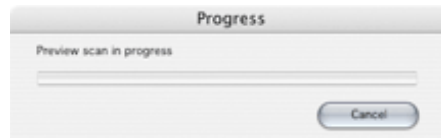
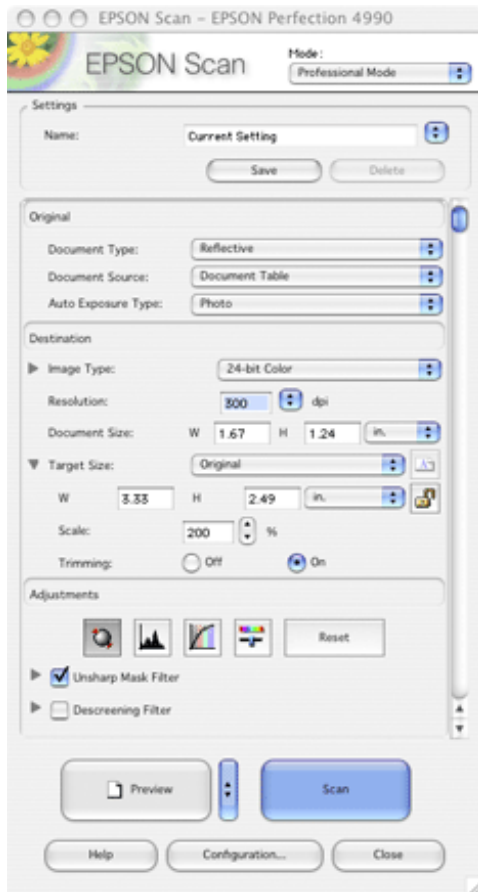
* If there is no twain plug-in located in Photoshop, reload the scanner software. Reloading the software will install a Twain plug-in to the Photoshop Plug-ins folder.



3. The **Epson Perfection** software should now be displayed in front of the Photoshop program. First, set the proper **Document Type** for the job (ex. Positive Film). Next, click **Preview**. A **Progress** monitor window is displayed while the scanner acquires the preview information.

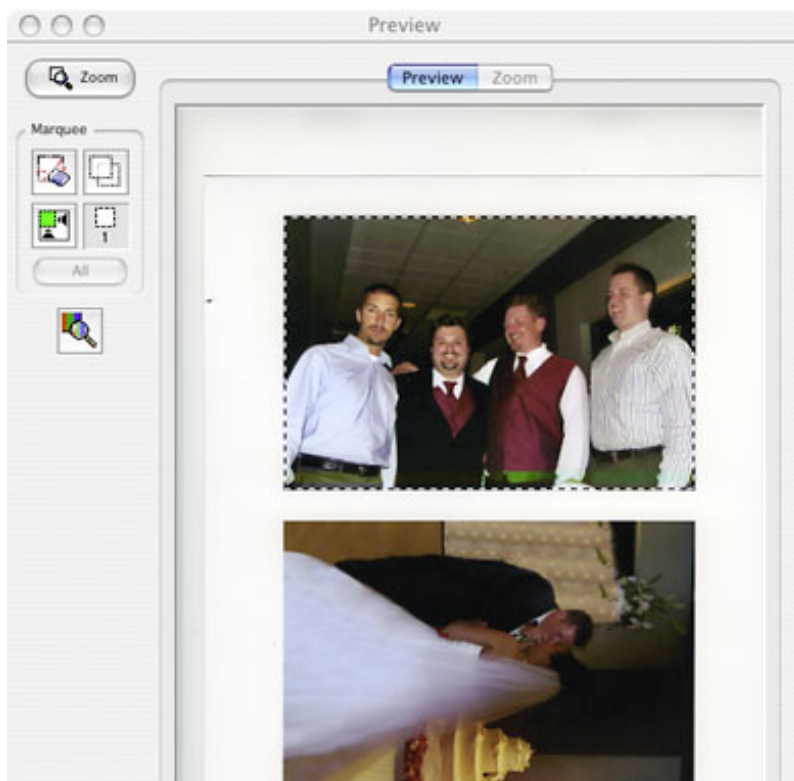
* Click on the arrows next to the Preview button to choose type of thumbnail display.

** Photoshop's tools and options are not active while the Epson window is open.



4. **Draw a crop marquee** around the image area using the mouse cursor. Dancing ants are displayed representing the edge of the crop. Each edge of the crop marquee is independently adjustable (only in a linear fashion, so try and place photos straight).

* At this time it is best to remove any white or black edges that are not part of the image area using the crop tool. Inaccurate scans can result from careless cropping.

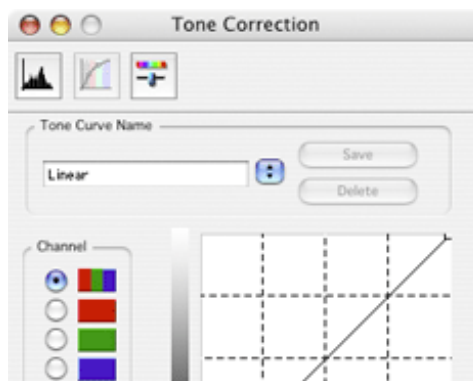
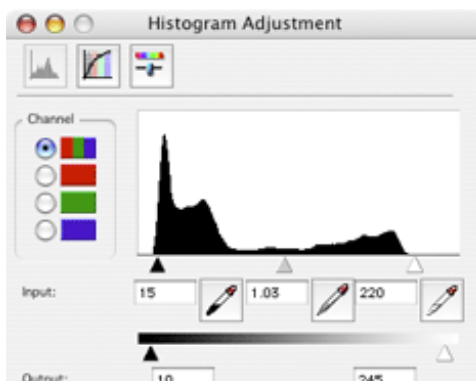


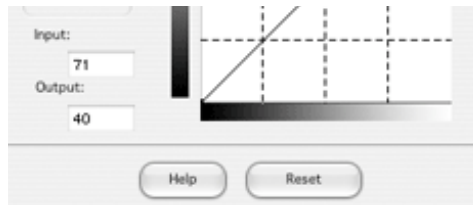
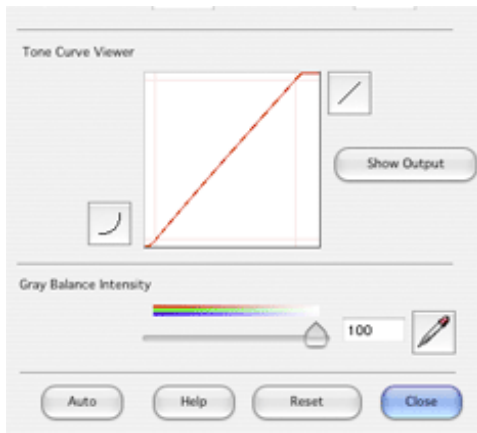


5. Next, set the **Resolution** of the image to **200/300ppi** and adjust the values in the **Target** size to establish the enlargement dimensions (enlarge the maximum value to 10 inches to get near 8x10" images).



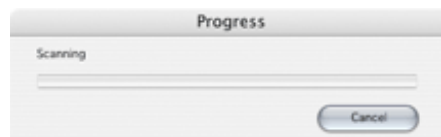
6. In the **Adjustments** area, click **Histogram** to adjust the density of the image. The **Preview** window should immediately display the effects of any changes. Adjustment may also include pulling up or down on **Curves** to improve the tonal range. Inaccurate color casts can also be alleviated by clicking one of the independent RGB channels below the composite channel. Press **OK** to accept all changes.



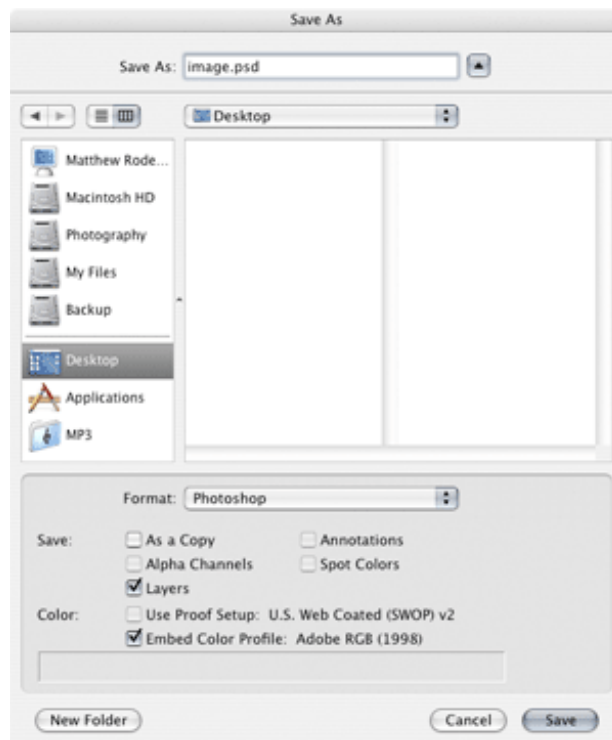
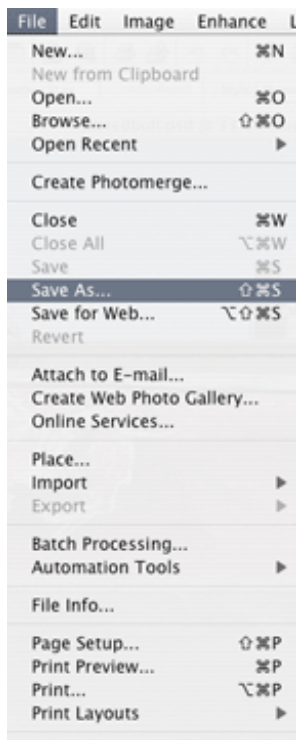


7. Lastly, press the **Scan** button to acquire the pixel information from the original. The **Progress** monitor is again displayed. Wait until this window disappears before performing another function. When the scan is complete, the final result will be automatically displayed in Adobe Photoshop.

* Be sure to save your original scans descriptively and store them in a safe place.



8. After work is complete, make sure to **save the file in a designated folder**. Go to **File>Save As** and name the file, select a location, and choose the proper Format (.psd will save layer information and does not degrade the image file).



Note-

When making changes to an original scan file in Photoshop, it is best to rename the file by selecting the Save As function. This will ensure that the original scan information stays intact without destructive changes.

For resolution basics:

<http://www.magicpixel.com.au/magicpixel/html/scan1a.html>

For scanning tips and tricks:

<http://www.scantips.com/faq2.html#slides>

For Epson scanner descriptions and comparisons:

<http://www.epson.com>

© 2002-2006 by Tonal Range, L.L.C.. All Rights Reserved.
Copying of this material is strongly encouraged for the benefit of education.