

SCANNING PRINTS with an EPSON 2450 FLATBED SCANNER

Scanner software is easiest employed as a plug-in within Photoshop. After the scan is made the image opens in a Photoshop window, ready to be processed. This page describes scanning a print or other reflective artwork.

SETUP

Setup the scanning process to capture enough data for high quality, medium size prints.

turn on the Epson 2450 scanner
insert the print into the Epson scanner
run Photoshop
open scanning window **FILE> IMPORT> SILVERFAST SE**
this selects the driver for the scanner being used
close the SCAN PILOT window (unless you require assistance)

GENERAL SETTINGS

set general settings under the [GENERAL] tab
device: **firewire**
scan mode: **normal**
original: **reflective** (a print)
pos/neg: **positive**

FRAME SETTINGS

set scan settings under the [FRAME] tab
scan type: **48-> 24 bit color**
filter: **auto sharpen**
image type: **standard**

SCANNING DIMENSIONS

set output resolution to **Photo Print**
from the pull_down menu
this will set the output resolution to 300 ppi (pixels per inch)
leave the scale at **100%**
if scanning larger prints that generate files bigger than 20MB
reduce scale to 50%

PREVIEW

Grab a quick Preview of the picture so some basic adjustments can be made.

scan the maximum area
preview the scan hit the [PREVIEW] button
the image should appear in the preview box in the scanner window

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SCANNING AREA

Leave an area of white space around the print that is smaller than the black border of the print.

- adjust _____ sizing of the scanning area
- drag _____ the top left corner of the bounding box
- drag _____ the bottom right corner of the bounding box

ADJUSTMENTS

- adjust _____ the rotation [ROTATION]
- adjust _____ the flip [FLIP] horizontal or vertical
- make _____ adjustments
- skip _____ the COLOR ADJUSTMENT, use Photoshop
- set _____ the EXPOSURE CONTROLS
- skip _____ the COLOR BALANCE, use Photoshop
- set _____ end points on HISTOGRAM
- remove _____ any blank spaces

SCAN

Make the final scan and bring the picture into Photoshop for further post-processing.

- scan _____ the image hit the [SCAN] button
- the scanner window should close and the picture should open in its own window

SAVE

- save _____ the image immediately FILE> SAVE
- use _____ the Photoshop file format
- embed _____ the ADOBE RGB (1998) color profile
- navigate _____ to your Zip disk
- hit _____ [SAVE] or [RETURN] or [ENTER] to save the file
- this is the Master file, don't loose it

SCANNING POST PROCESSING

ROTATE

It is unlikely that the print being scanned will be absolutely straight. If the print positioning is way off, reposition the print in the scanner and preview again. If the print is only slightly skewed, scan it and let PhotoShop do the correction.

use _____ the MEASURE tool
to find the angle of correction
drag _____ the MEASURE tool to the approximate location
from the top left corner to the bottom left corner for a vertical print
from the top left corner to the top right corner for a horizontal print
zoom in _____ hold [CMD] and hit [+] 5 times
home _____ hit the [HOME] key to jump to the top left corner
use _____ the SLIDER to move from the top to the bottom
adjust _____ the position of the MEASURE tool at top and bottom
rotate _____ the image IMAGE> ROTATE> ARBITRARY
the angle from the MEASURE tool should appear in the ANGLE box
click _____ [OKAY] to rotate by that angle
resave _____ the image [CMD] s

CROP

draw _____ the CROP tool rectangle
view _____ the document at FIT SCREEN resolution [CMD] [OPT] 0
select _____ the CROP tool from the TOOL palette or hit [C]
drag _____ the CROP tool from the top left to the bottom right corner
this can be an approximate placement that will be adjusted
zoom in _____ hold [CMD] and hit [+] 5 times
adjust _____ the placement of the top left and bottom right corners
hit _____ the [HOME] key
move _____ the top left corner handle of the crop rectangle
hit _____ the [END] key, or - use the SLIDERS
move _____ the bottom right corner handle of the crop rectangle
slide up _____ the page to check the adjustment in the top right corner
slide over and down _____ the page to check the adjustment in the bottom left corner
2xclick _____ inside the crop rectangle to do the crop, or hit [ESC] to escape
view _____ at FIT SCREEN size 2xclick the HAND tool in the TOOL palette

SAVE

save _____ the picture file [CMD] s
this is the master working file
Photoshop will attach a file extension of .psd
any other variations that are made should be saved with another name
to preserve this master file

RETOUCHING

Anytime a print or negative is scanned into the computer small dust spots will show up. These must be removed. People get paid \$175./ hour for this task.

SURVEY the PRINT

view the print _____ at 100% by hitting [CMD] [OPT] 0
open _____ the window wide on the screen
 drag _____ the bottom corner of the window down and across
zoom in _____ hold [CMD] and hit [+] 5 times
move _____ to the upper left corner
 hit _____ the [HOME] key

move _____ across the surface of the print systematically
 drag _____ the scroll bar on the bottom right of the picture window
scroll down _____ after the other side of the print is reached, then
 move back _____ across the print again
continue _____ until you have removed all of the dust spots

zoom out _____ periodically to see the actual visual effect of your work
 use _____ fit on screen [CMD] 0
 some smaller dust spots may never show up on the print

SETUP the RUBBER STAMP TOOL (Clone Tool)

The Rubber Stamp tool will let you copy one small section of the print onto another.

select a brush size _____ that will just cover the average dust spot
place the cursor _____ over the area you wish to copy
 this should be just next to the dust spot
 and should be the proper tonality
hold _____ the [OPT] key and click once
move the cursor _____ over the dust spot
 paint _____ by clicking the mouse
 it may take several clicks while slightly moving the mouse
 to cover larger dust spots

Reposition the source of the clone periodically to match tonality.

This tool can be used to make major repairs in damaged photographs.