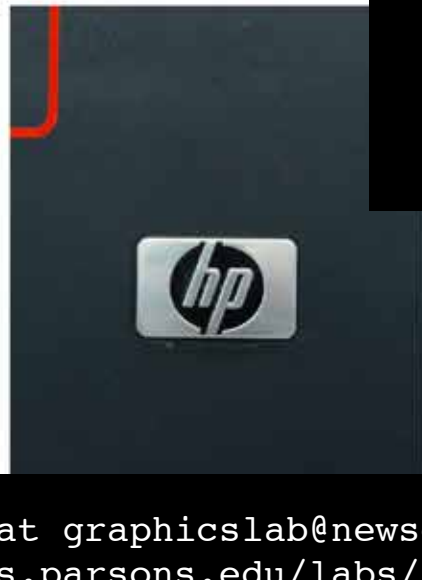
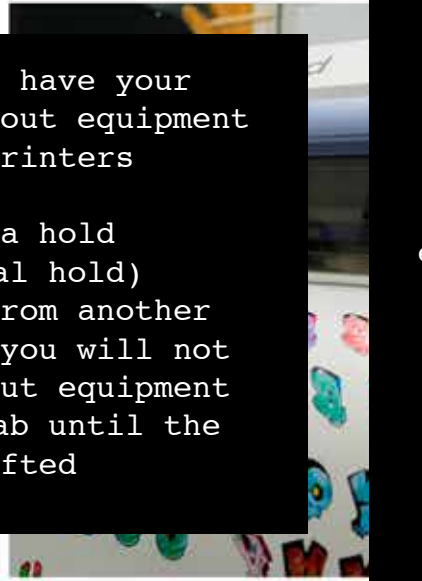
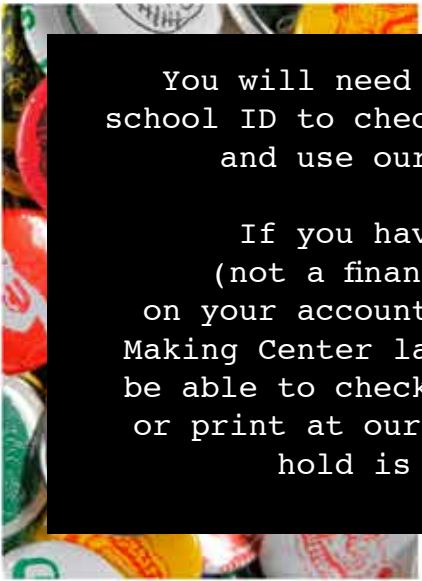
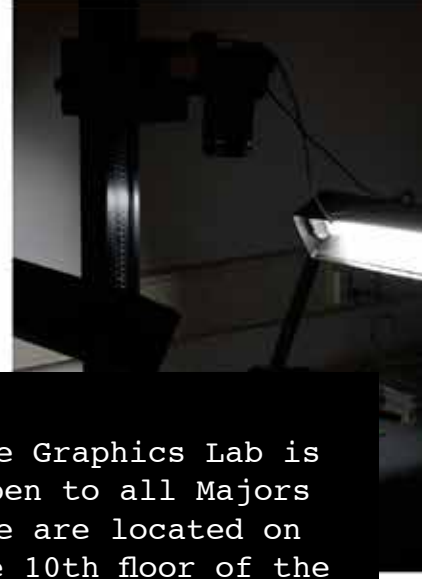
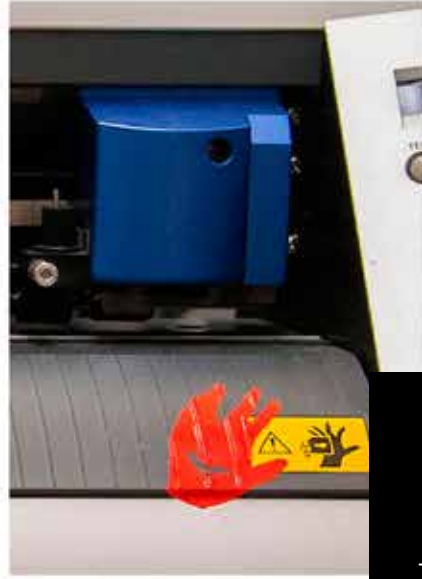


GRAPHICS LAB PRINTING

EPSON INKJET PRINTERS

Inkjet printing is a type of computer printing that recreates a digital image by propelling droplets of ink onto paper, plastic, or other substrates. Inkjet printers are the most commonly used type of printer and range from small inexpensive consumer models to expensive professional machines. The concept of inkjet printing originated in the 20th century, and the technology was first extensively developed in the early 1950s. Starting in the late 1970s inkjet printers that could reproduce digital images generated by computers were developed, mainly by Epson, Hewlett-Packard (HP), and Canon. In the worldwide consumer market, four manufacturers account for the majority of inkjet printer sales: Canon, HP, Epson, and Brother. The emerging ink jet material deposition market also uses inkjet technologies, typically printheads using piezoelectric crystals, to deposit materials directly on substrates. Most commercial and industrial inkjet printers and some consumer printers (those produced by Epson and Brother Industries) use a piezoelectric material in an ink-filled chamber behind each nozzle instead of a heating element. When a voltage is applied, the piezoelectric material changes shape, generating a pressure pulse in the fluid, which forces a droplet of ink from the nozzle. Piezoelectric (also called Piezo) inkjet allows a wider variety of inks than thermal inkjet as there is no requirement for a volatile component, and no issue with kogation (buildup of ink residue), but the print heads are more expensive to manufacture due to the use of piezoelectric material (usually PZT, lead zirconium titanate). A DOD process uses software that directs the heads to apply between zero and eight droplets of ink per dot, only where needed. [citation needed] Piezo inkjet technology is often used on production lines to mark products. For instance, the "use-before" date is often applied to products with this technique; in this application the head is stationary and the product moves past. Requirements of this application are high speed, a long service life, a relatively large gap between the print head and the substrate, and low operating cost.





The Graphics Lab is open to all Majors
We are located on the 10th floor of the 2 west 13th street building as part of the Making Center

A technician is always on duty to help you with any equipment in the lab

We are open
10 am to 8pm on weekdays
11am to 6pm on weekends

A printer can be reserved for up to 2 hours a day per student
10 hours max a week per student

You will need to have your school ID to check out equipment and use our printers

If you have a hold (not a financial hold) on your account from another Making Center lab you will not be able to check out equipment or print at our lab until the hold is lifted

Contact us at graphicslab@newschool.edu
<http://resources.parsons.edu/labs/graphics-lab/>

About / Limitations / Restrctions

The Epson Inkjet Printers at the Graphics Lab are self-service photo quality printers and the printers are FREE to use but WE DO NOT PROVIDE PAPER

Models available:
Epson Sure Color P800
Epson Stylus Pro 3880
Epson Stylus Pro 4800

Minimum Paper Size 3.5 x 5"
Maximum Paper Size 18 x 24"

Minimum Paper Weight 18 lb
Maximum Paper Weight 200 lb

No plastics, gloss, or fabrics unless proved suitable for the printer

Print only from
Adobe Acrobat / Preview / Photoshop
in file formates : .jpg / .pdf / .psd / .png

Printing from Indesign is not recommended

Max amounts of prints a student can complete in a day on the inkjets are 20 prints (10 sheets) on any size paper

Booklets that are more than 5 sheets (10 pages) should be printed on the Laserjet printers

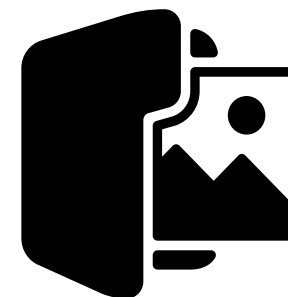
Color Profile should be in RGB
With the a minimum resolution of 150 dpi

We do not allow the Printers to print full bleed

For the finest quality prints you must purchase paper taylored for our inkjet printers

Taylorred paper stocks can be purchased at :
Paper Presentation / Adorama

Ask a Techinician on duty to install ICC profiles for specific papers



Opening your file

Open your file(s) in :
Adobe Acrobat
Preview
Photoshop

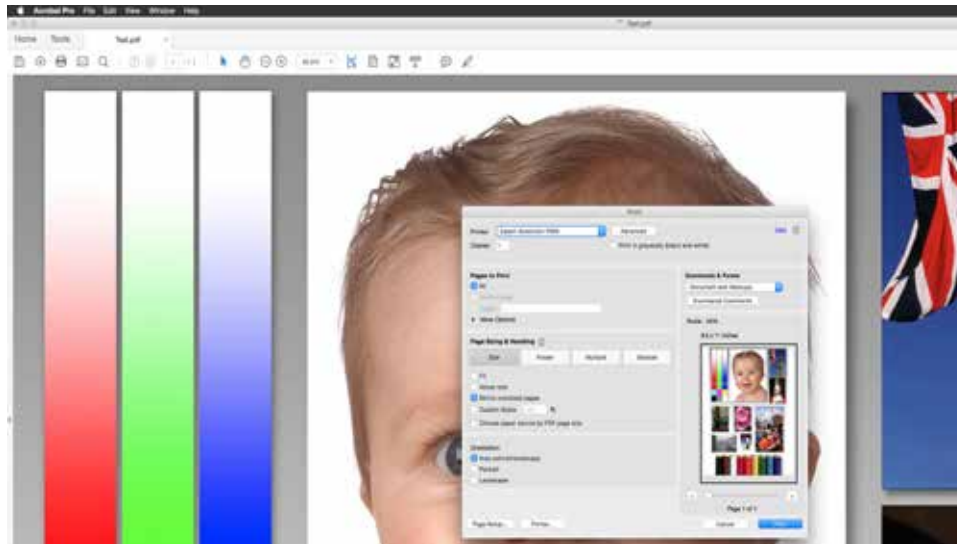
File>Print
or
Command + P

to open the print
dialogue box

In Preview click
"Show Details" to
advance

The preview
window for all
applications
will incorporate
the bleed of the
printer you
are using

Adobe Acrobat



Preview



Photoshop



Paper Size

Paper Size is the
size of the
paper you are
printing on

On Preview
paper size can be
accessed in the
paper size column

+

In Adobe Reader
paper sizes can
be changed through
page setup

In Photoshop
paper sizes
can be accessed
through
Print Settings >
Paper Size

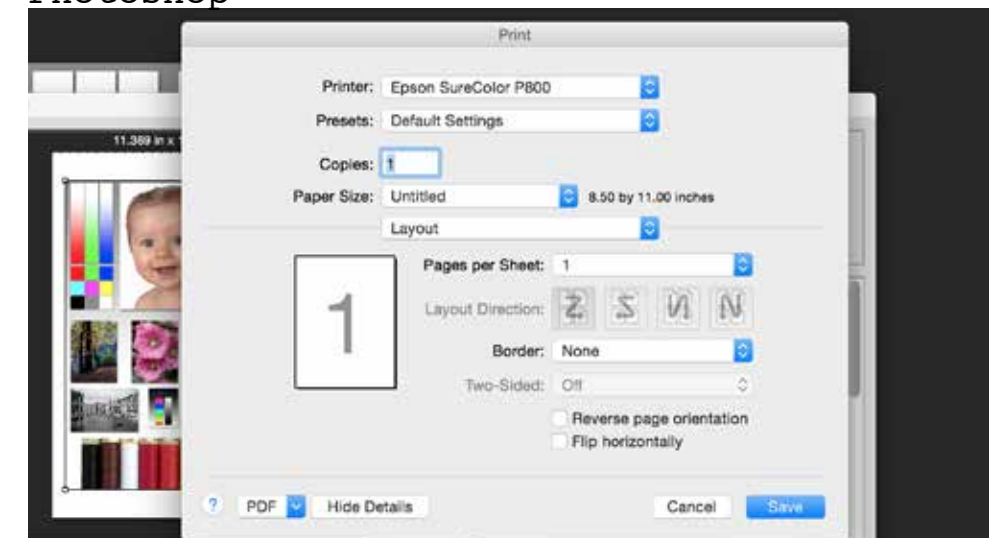
Adobe Acrobat



Preview



Photoshop



Click
"Any Printer"
to print you
are working on

If you are using
a standard size
papers choose the
corresponding size

Make sure NOT to
choose Roll
but instead lines
that include
"sheet"
"sheet feeder" or
no specification

If you have a
non-standard size
click on
"Manage custom
Sizes"

Once there click
the "+" on the
bottom left and
enter EXACTLY
the paper size
the short end as
width then the
long end
as length

**FULL BLEED
IS NOT AN
OPTION
WE ALLOW**

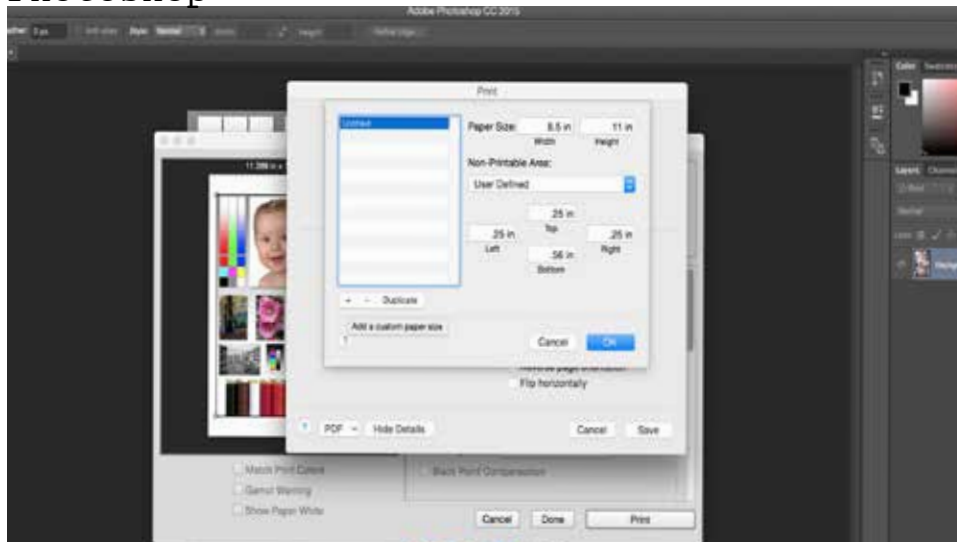
Adobe Acrobat



Preview



Photoshop



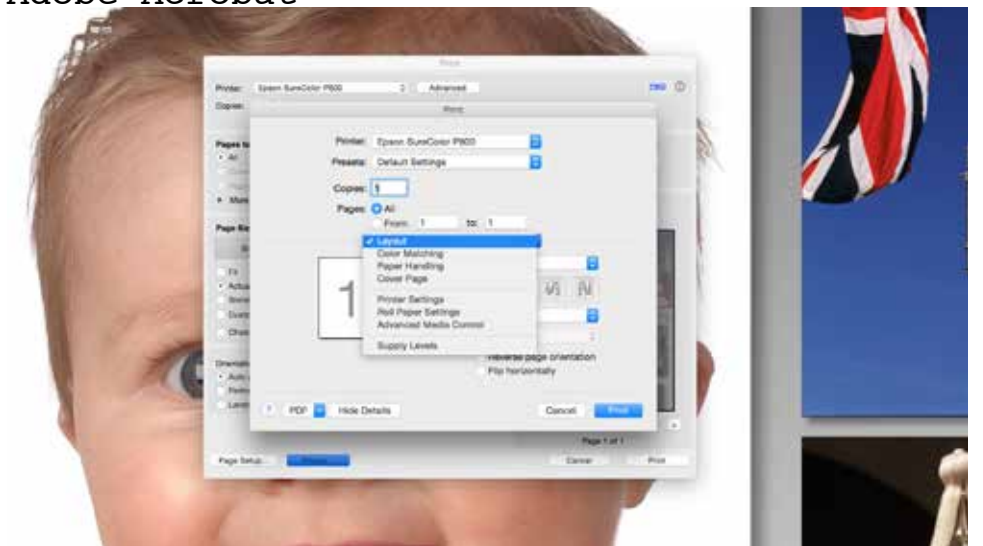
Choosing Quality

In Adobe Acrobat
through the
"Printer" option
then the "Layout"
bar down to
"Printer Settings"

In Preview the
"Preview" bar
then down to
"Printer Settings"

In Photoshop its
through the
"Layout" bar
then down to
"Printer Settings"

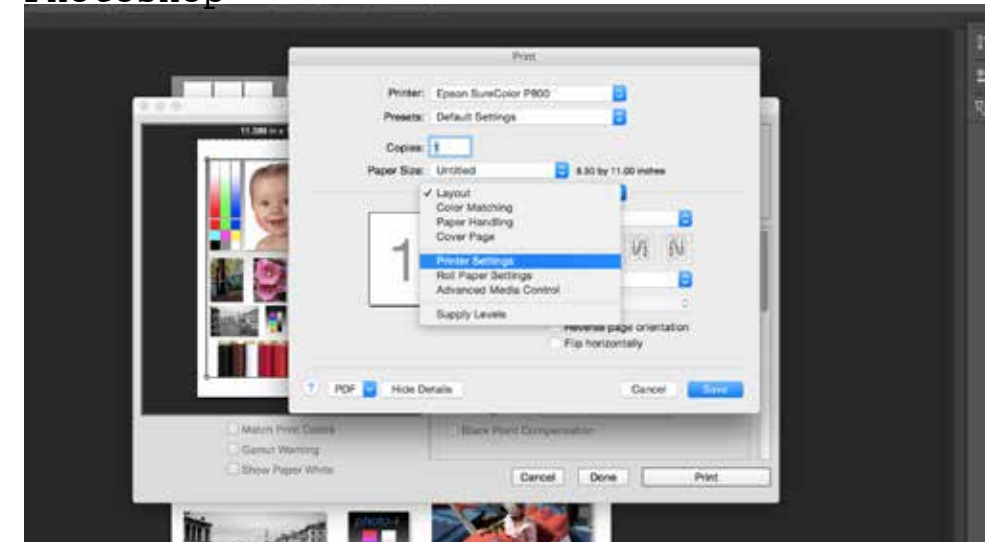
Adobe Acrobat



Preview



Photoshop



Specific Print Settings

The default to all inkjet printers for random non-inkjet paper

Page Setup : **Standard / Sheet**

Media Type: **Enhanced Matte (3880/P800)**

Ink : **Matte Black**

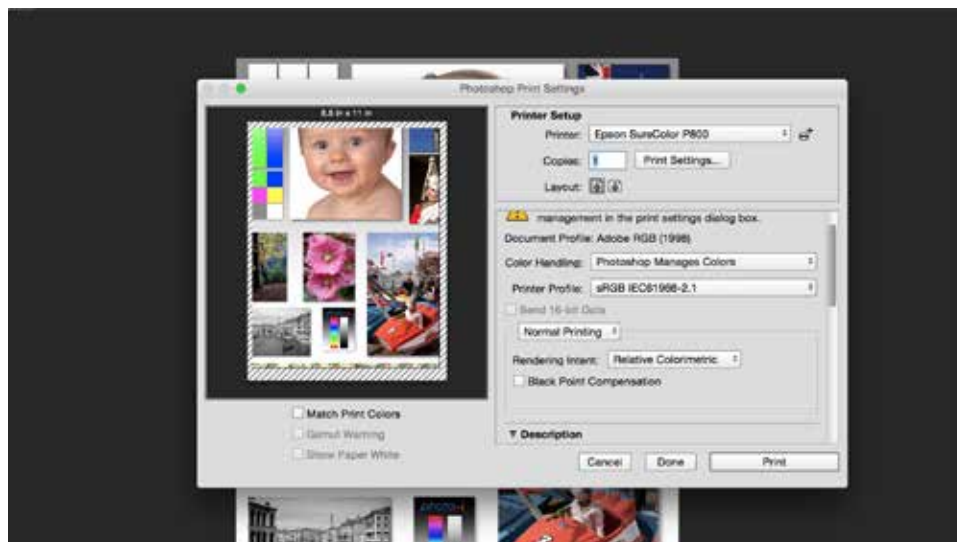
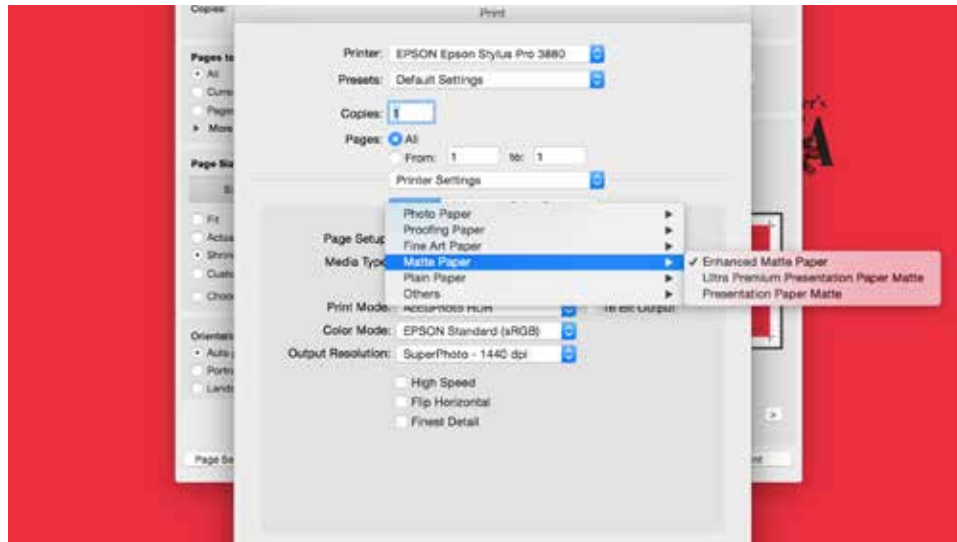
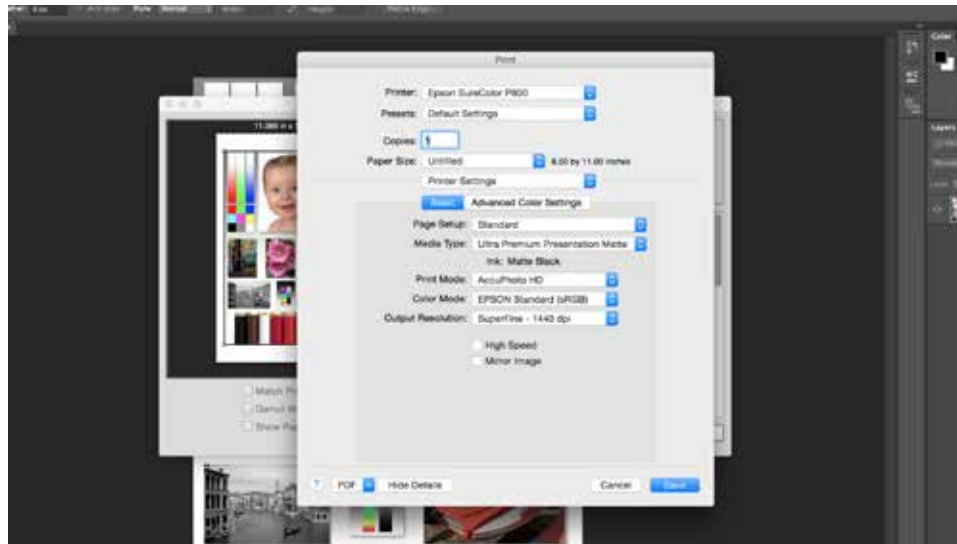
Output Resolution : **SuperFine 1440dpi**

High Speed checked off

The Media Type in this dialogue box corresponds with papers EPSON provides for their inkjet printers, so only change this when you have the corresponding paper from EPSON

If you are printing on your own roll paper call a technician

To print with an external ICC profile you must print from Photoshop



Check Before Printing

Preview will show you how the print will look on your paper having Auto rotate will always orient your paper properly

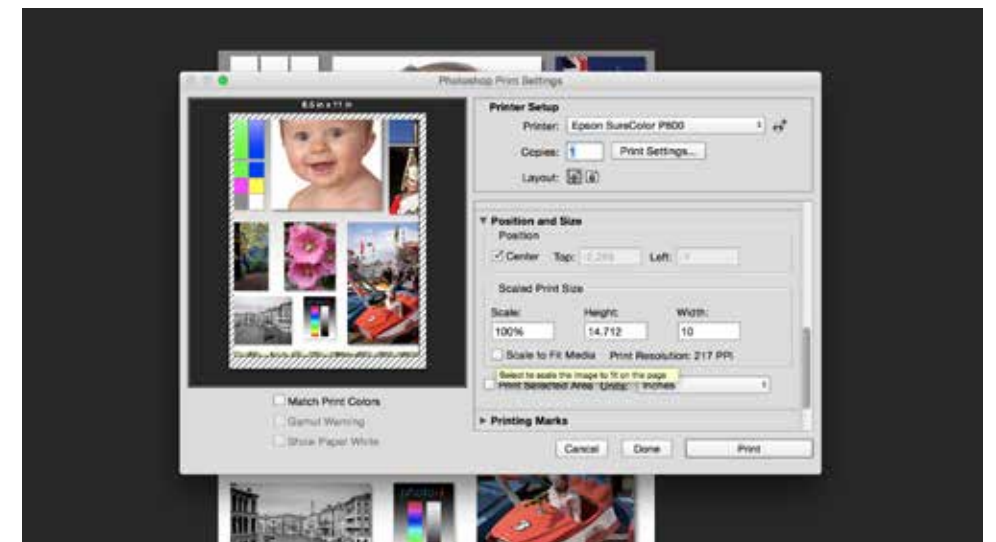
Fit
Print Entire Image
Fill entire Page
Scale to Fit

All the settings above may alter the image size of your original design



Actual Size / Scale at 100% will retain your original image size

The printers do not do automatic double-sided printing so make sure not to feed more than one piece of paper if you are printing on both sides

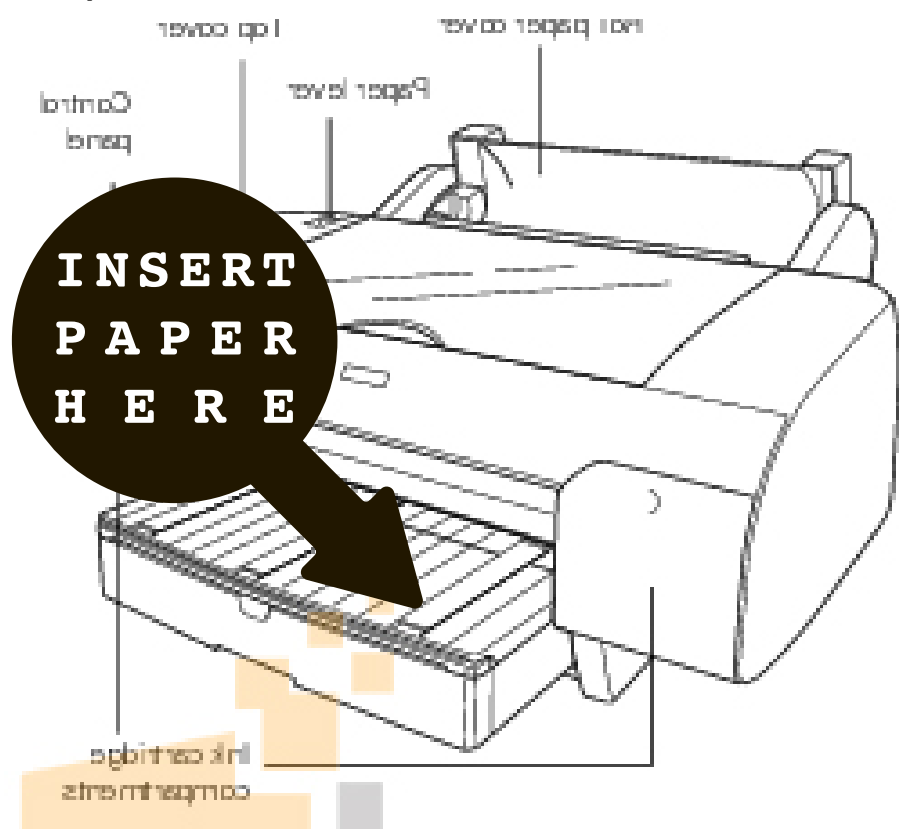


Feeding Paper

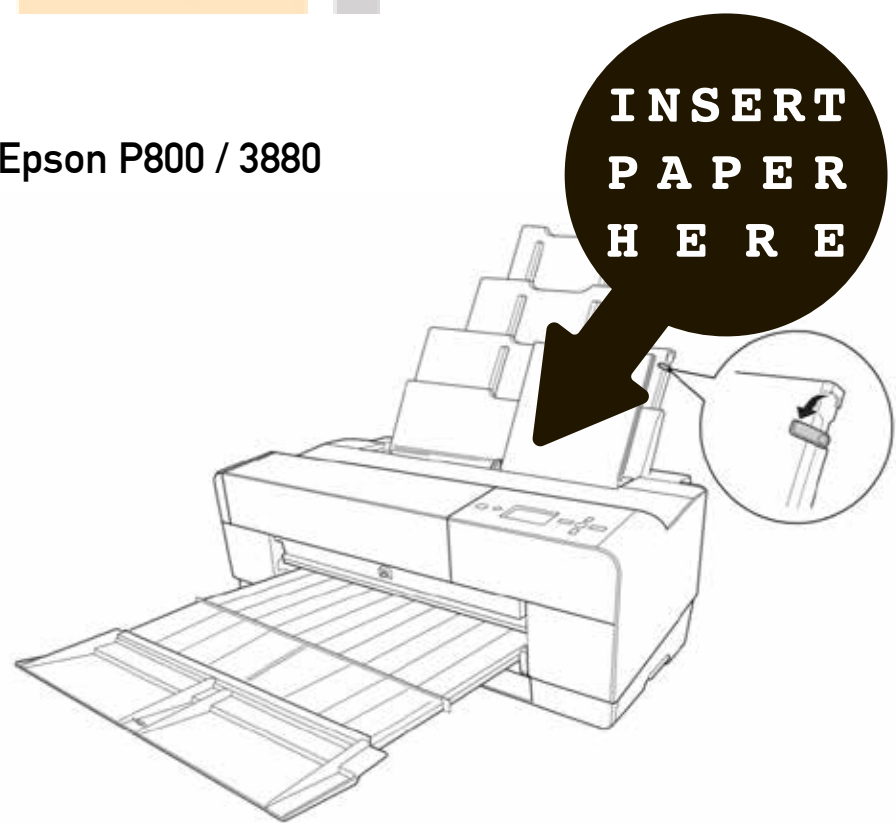
ALWAYS FEED AS
PORTRAIT

For the 4800 the
side facing down
will be the
side printed on

Epson 4800



Epson P800 / 3880



For the P800 /
3800 the side
toward you will
be the side
printed on

ASK A TECHNICIAN IF
YOU STILL NEED HELP

ITS OK

THEY DON'T BITE

