

## *PROCESSING JMP DAYLIGHT SAFE NEGATIVE FILM*

### **EQUIPMENT AND SUPPLIES REQUIRED**

UV Exposure system - Ideal S2200; S1200; S1004; S1020 or S1010.  
Printed artwork - printed "mirrored" on Ideal Plate Making Vellum for best results.  
Washout Plate - flat white plastic is best.  
JMP Daylight Safe Negative Developer  
Paper Toweling - soft paper is best - "Handee Ultra" gives excellent results.

### **PROCEDURE**

1. Pre-heat the UV tubes by "running" them for at least 5 minutes prior to commencing any exposure - set the tubes running before proceeding further should achieve this.
2. Print artwork (mirrored) on the Ideal plate making Vellum using a laser printer.
3. Trim the vellum to the desired size with no less than a 5mm margin.
4. Remove a sheet of JMP Daylight Safe Negative Film from the pack - on one side of the bag or box you will see "EMULSION SIDE UP" indicating which side of the film is the coated side. If you are not sure which side is the coated side scratch the surface with a sharp knife in one corner - the coating will scrape away on the coated side.
5. Cut the film to size if necessary, making sure that the film is slightly larger than the vellum - if the vellum is larger than the film it can cause leakage which will detrimentally affect your negative.

### **Ideal System 2200, System 1200 or System 1004**

6. Place the film "emulsion side up" on the lower exposure plate.
7. Place the printed artwork over the film so that it is "right reading" - emulsion down if the print was mirrored and up if not.
8. Cover the film and artwork with the vacuum overlay and start the vacuum pump. Light rubbing to remove any air will help ensure good results.

### **Ideal System 1020**

6. Place the artwork on the exposure plate of the negative exposure compartment so the it is "wrong reading".
7. Place the film "emulsion side down" over the artwork.
8. Close the lid of the negative exposure compartment.

### **Ideal System 1010**

6. Place the exposure foam (sheet 4mm plastic foam) on the lower glass and place the film "emulsion side up" on the exposure foam.

7. Place the printed artwork over the film so that it is “right reading” - emulsion down if the print was mirrored and up if not.
8. Cover the film and artwork with the top glass and tighten the clamps to secure. Invert the assembly so that the artwork is face down towards the UV tubes.

### All Systems

9. Set the exposure time to 3 minutes (150-180 seconds) and commence exposure. The actual time required may vary according to the strength and age of the tubes so some variation may be required.
10. Once the exposure time has elapsed disassemble and/or remove the exposed film and place it emulsion side up on the washout plate.
11. Spray the film with developer - liberal amounts of developer should be used to ensure that the chemical reaction occurs evenly over the entire film. If using an Ideal Spray Nozzle spray until the film is covered with foam.
12. Let the developer soak in for 60 to 70 seconds - more if the ambient temperature is below 20°C. We recommend keeping the developer in a warm place or pre-warming it before use. The wash plate can also be warmed to provide consistent results in colder climates. Add fresh Developer as needed to keep the film flooded.
13. With gentle but firm pressure rub the film with a clean lint free paper towel, that has been folded to form a pad, in circular motions to remove the black from the uncured areas.
14. Rinse film and examine. If some areas have not been fully removed, spray on additional developer then rub with the pad as before.
15. Immediately rinse film with cool water, (less than 21C) to stop developer process.
16. Hang film to dry.