

MultiRIP

My Film is NOT Listed, Can I Create My Own Density Curve?

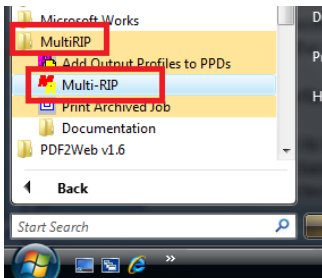
MultiRIP Hybrid comes with the Density Curves (basically the ICC profile for film positives) for over 10 different brands of screen printing film positive media. However, some users will want to use a different brand of film positive than the ones listed. In many cases, the screen print distributors will purchase the film from the manufacturer and put their own name on it. So the user will want to run a test print using the existing film positives listed under Media Type in the RIP settings. If none of those provide the correct level of ink density required, then the following instructions listed below.

NOTE: This process will work on all the printers MultiRIP Hybrid works for with except the Epson R1800 printer (because it does not print Stochastic).

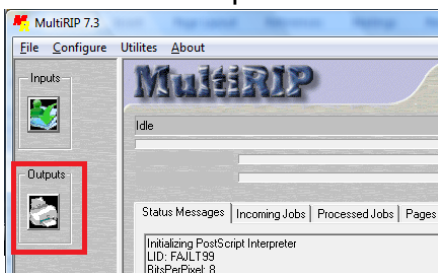
WARNING: When creating your own density curve, it is possible that too much ink will be dropped down when printing the Film Positive Test Print and this excess ink will get on to the paper feed rollers. This excess ink may carry over to additional prints until the ink is removed.

How to Create Your Own Density Curve.

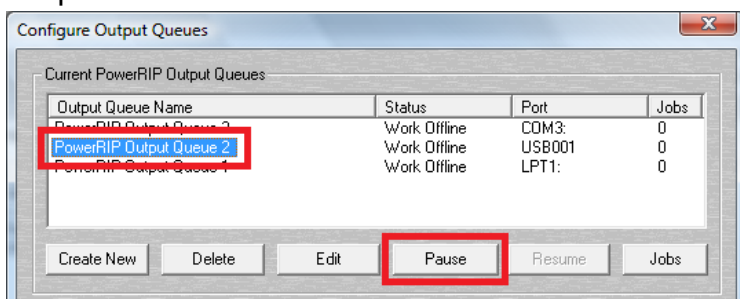
1. Open the MultiRIP Interface by clicking to the Start button, choosing All Programs → find the MultiRIP folder and launch the Interface by clicking on MultiRIP program.



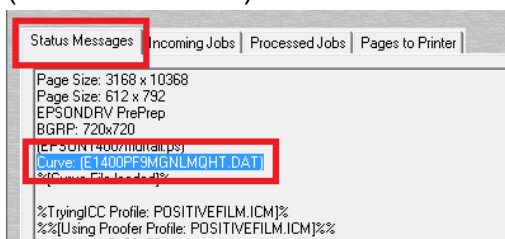
2. Click on the Output button on the left side.



3. Select the Output Queue that you are using and then click the Pause button. This will pause the RIP and allow you to run a file without having to print it. Close the Outputs window.

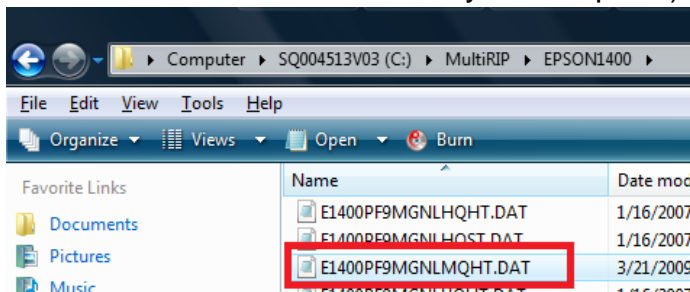


4. Open up your graphic software program (i.e. Corel, Photoshop, Illustrator,...) and print the film positives the way you typically would.
5. Go to the MultiRIP Interface and click on the Status Message tab.
6. Scroll all the way down to the bottom and then scroll up till you see which DAT file is being used by the RIP based on the Print Quality (i.e. Resolution) and Media Setting (i.e. brand of film) selected in the RIP.

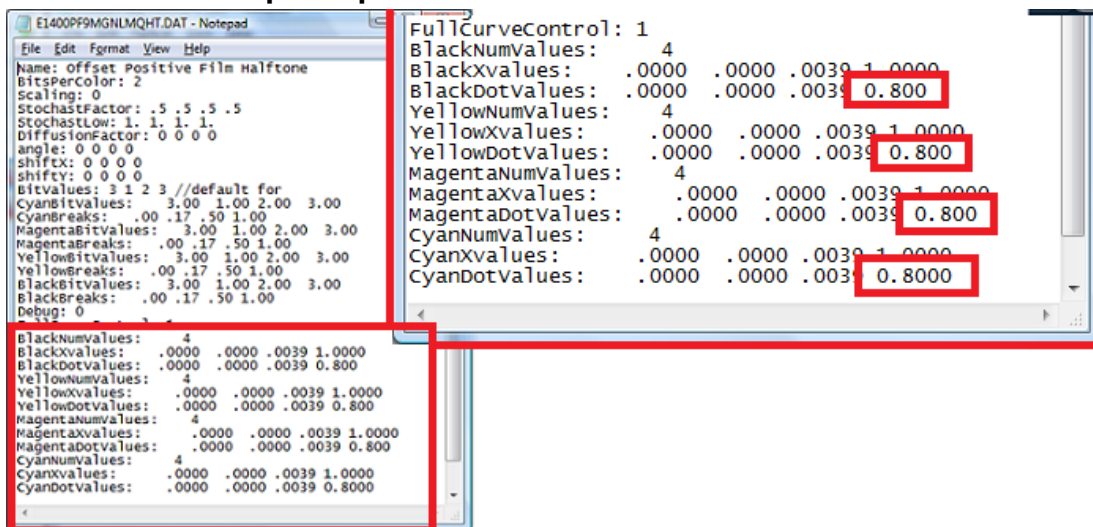


EXAMPLE: For the remaining portion of the document, we will use the example of printing with the FototecFoil on the Epson 1400 printer. Thus, we are going to use E1400PF9MGNLMQHT.DAT file.

7. Next, go into the EPSON1400 folder found in the MultiRIP folder on the C:\Drive and file the DAT file being used. Open the file using Notepad (a software program found under the Accessories folder on your computer).

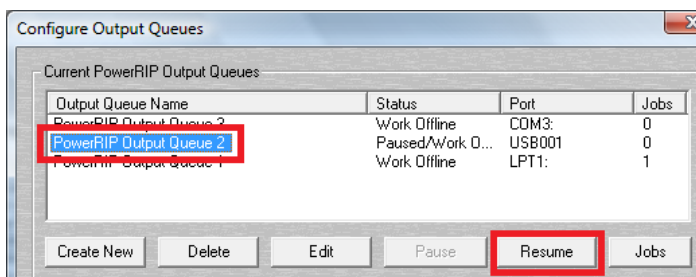


- Change the values for the BlackDotValues, YellowDotValues, CyanDotValues and MagentaDotValues to 1.000 under the last column. Go to File → Save As and save the file name as the same file. A warning will open up and you will need to overwrite the existing file. **You must use the same exact file name or the RIP software will not pick up the correct file.**

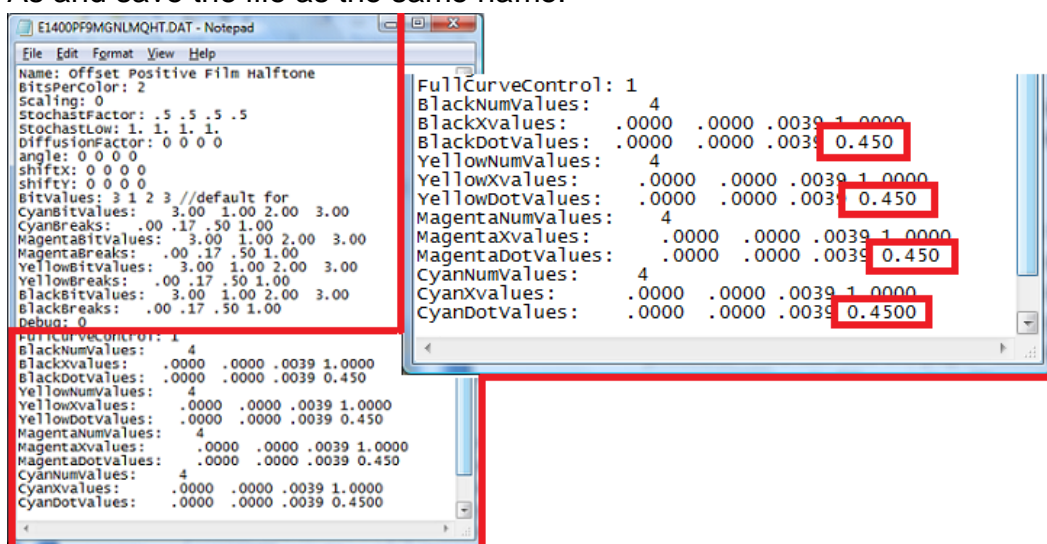


Note: If the DAT you have selected is has a value below 0.5000, change the value to 0.5000. Then, you will halve the numbers in the Test Print File in Step 14. The reason for doing this is because using 1.000 for this DAT will push way too much amount of ink on to the film and could cause ink to get on the paper feed rollers. This will start the ink volume out at 50%.

- Go into the RIP Interface and delete all files in the Processed Jobs tab and the Pages to Printer tab. Click on the Status Message tab and clear all the messages.
- Click on the Outputs button on the left side. In the Outputs window, select the Queue and then click the Resume button. Close the Output window.



11. Run the Film Positive Test Print file based on test print using the same resolution and film. Please make sure that you have Stochastic for the Screening field and Grayscale for Color Mode field.
12. Look at the print and figure out which box provides you with the proper amount of ink and gives you the darkness desired.
13. Close the RIP Interface. Leaving the RIP Interface open may prevent the changes from being seen by the RIP.
14. Go back into the DAT file and change the BlackDotValues, YellowDotValues, CyanDotValues and MagentaDotValues to the 0.XX00 number. The XX is the percentage listed below the box you selected in Step #12. Then go to File → Save As and save the file as the same name.



NOTE: If you left the numbers in the DAT file at 0.500 in Step #8 to prevent too much ink from being dropped down, then you are going to want to take the number in Step #12 and divide it in half. This is because you started off with 50% of the ink flow. So if the 70% box gives you the best looking black, then you would put 0.350 in the DAT file.

15. Close the DAT file and then reopen it to make sure that the changes were saved.
16. Now, run the Test Print again and you should have the maximum darkness at 100%. If you are not happy with the results, you can go back into the DAT file and change the numbers appropriately.

WARNING: As mentioned in Step #8, there is the potential that too much ink was printed at the top of the Test Print file and this extra ink transferred to the printer's paper feed rollers. This will result in small spots of ink showing up in places not intended. If this is the case, take a damp paper towel and pat the paper feed rollers as best as possible. You can see the paper feed rollers by looking up in the area where the paper comes out of the printer. You might have to use some test sheets of paper as well to remove any extra ink on the paper feed rollers.

For additional technical support information, please visit the Frequently Asked Questions page (www.multirip.com/faq.html) or contact your Distributor.