

Support Bulletin: RASD-SB00036

Model: Roland MPX-70

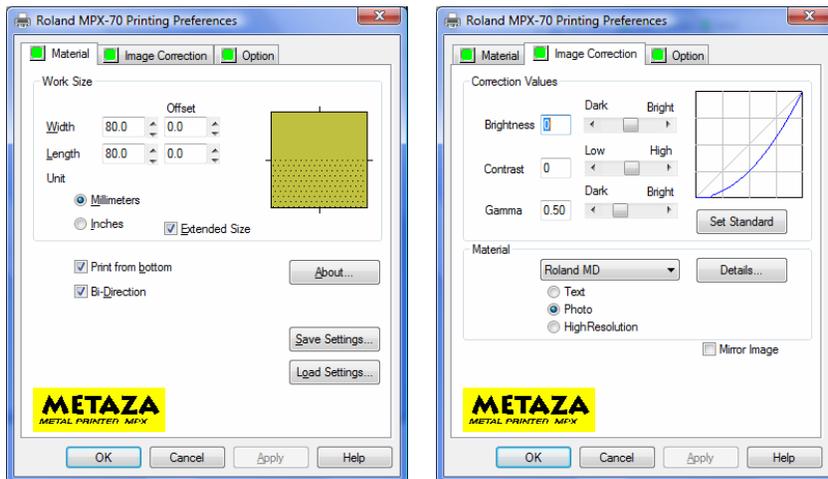
Subject: MPX-70 Printer Driver / Dr. Metaza2 Software Configuration

Date: 6/7/2007

Author: RR

The following document outlines how to configure the Windows printer driver for the Roland MPX-70 Photo Impact Printer as well as the Dr. Metaza2 Software program for optimal printing conditions.

1. Close out all applications.
2. Open the Printers and Faxes Window (located in the Control Panel).
3. Right click on the MPX-70 and click Printing Preferences.
4. Set the parameters of the Material tab and Image Correction tab to match the image below.



5. As for the Material setting, use the following:

MATERIAL	SETTING	PRINT QUALITY	BI-DIRECTION
Aluminum	Aluminum	Photo or High Quality	Checked (on)
Brass	Brass	Photo or High Quality	Checked (on)
Stainless Steel / Titanium	Stainless Steel	Photo or High Quality	Checked (on)
Acrylic	Acrylic	Photo or High Quality	Checked (on)
Plated Materials (Nickel, Gold, Rhodium, Chrome, Silver, etc...)	RolandMD	Photo or High Quality	Checked (on)
Gold, Sterling Silver, Platinum (Min & Max may change depending on the thickness of the material. Use these settings as a base point and adjust Min in increments of 10)	Set-a (Speed= 33, Min= 150, Max= 380)	High Quality	Unchecked (off)

6. Click OK and close out the Printing Preferences and Printers and Faxes window.

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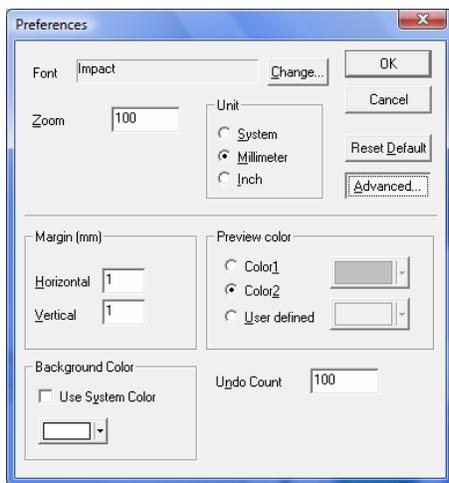
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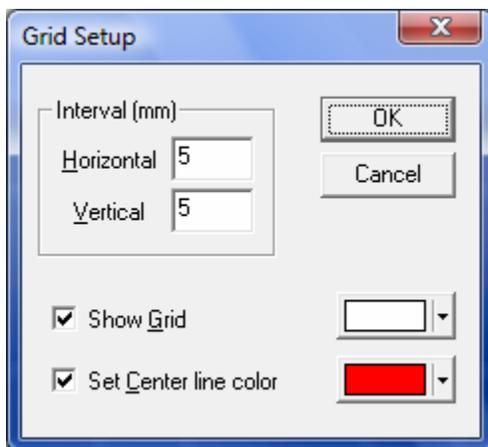
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7. Load the MPX-70 with the material to be printed and ensure that you center the material and set the head to the material lightly (feather touch) and lock it down with the knob on the left side of the unit (finger tight). Refer to pages 28-32 of the MPX-70 Users Manual for additional information if needed.
8. Launch Dr. Metaza2.
9. Click on File, Preferences and Advanced. Set the parameters to match the image below and click OK.



**Note:** If printing on Gold or Gold plated material set the preview color to Color1.

10. Click on View and Grid Setup and set the parameters to match the image below and click OK.



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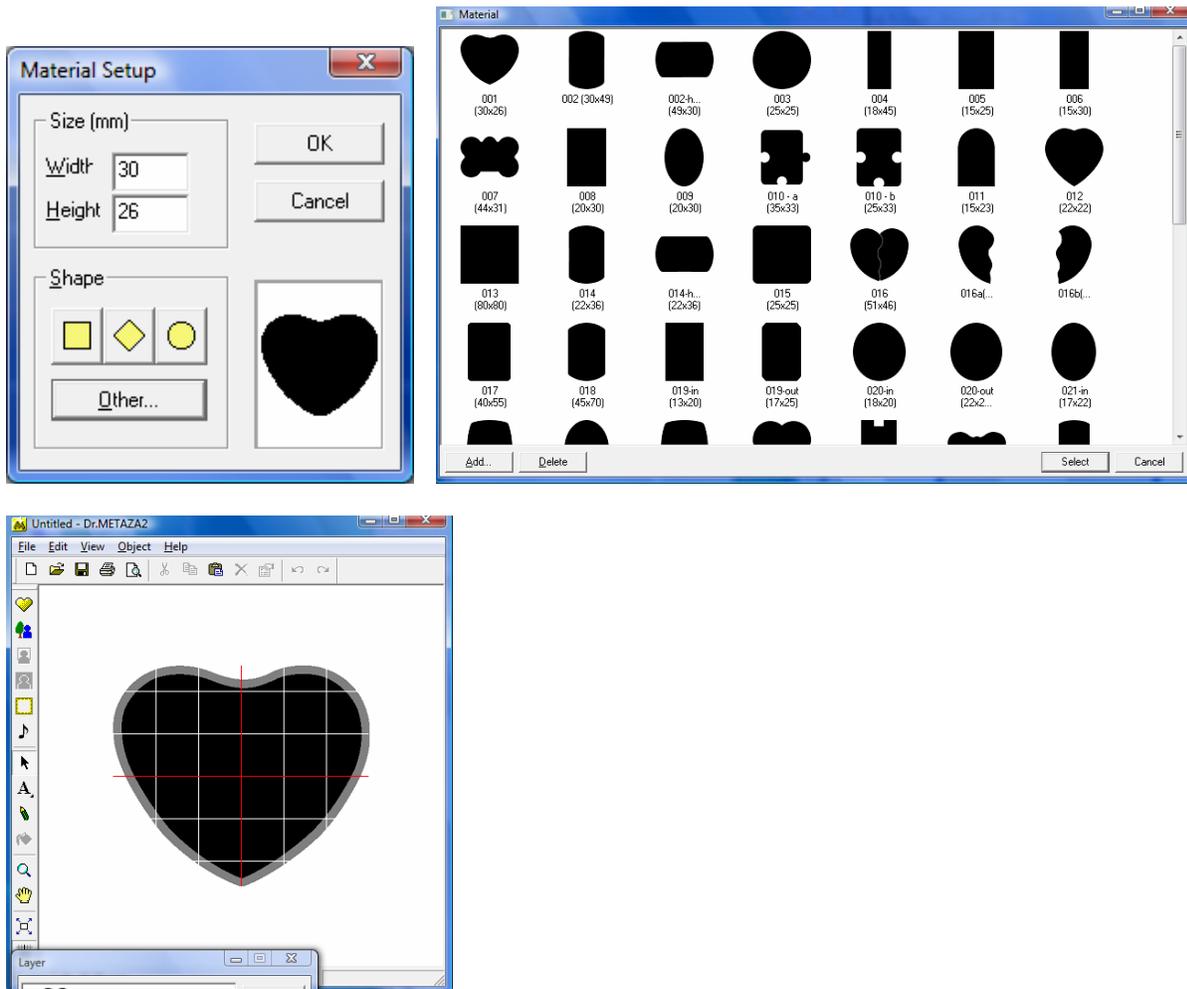
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11. When setting the material sizes ensure that you're using the software templates. The software templates serve 2 purposes. One is for alignment of the image and second is so that the print head does not print off the edge of the material (this is a common reason for pin damage). The templates can be downloaded from the Roland support site at [www.rolanddga.com/asd](http://www.rolanddga.com/asd).



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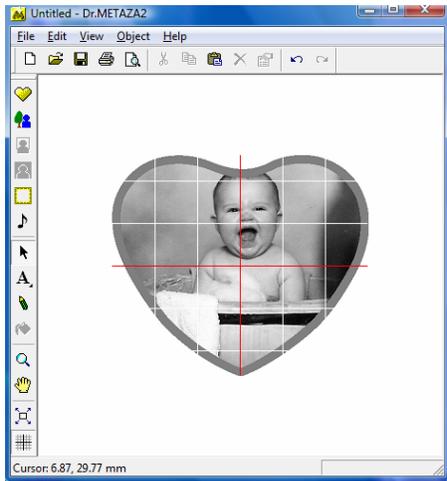
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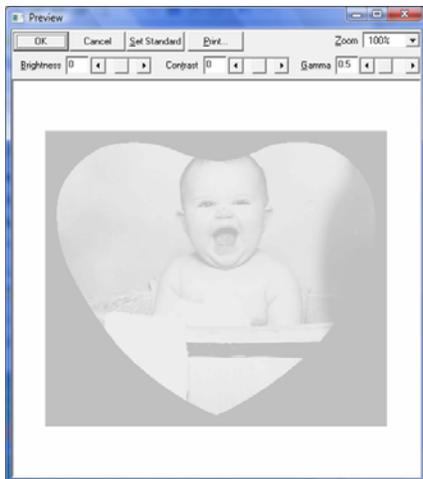
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12. At this point, import your image and lay it out in the template for printing.



13. When you are ready to print the file, click File and Print Preview.



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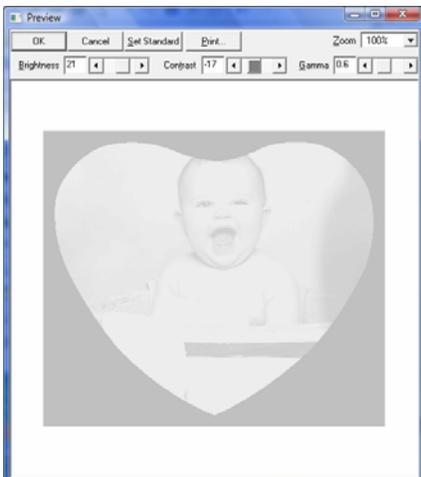
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14. If the image has good contrast and brightness to begin with, the only adjustment that should be performed is with the Gamma (White Point) setting. This will make the image print brighter because we are making the image whiter which the MPX-70 uses for impacting.



15. As for the Gamma, when printing images of light skinned subjects, use a range between 0.6 – 0.85. When printing images of dark skinned subjects, use a range between 0.8 – 1.2).

**Note:** *These Gamma settings are references for images that have good brightness and contrast to begin with. Images that need detailed adjustments should be done in Photoshop Elements or Corel Photo Paint.*

16. Adjusting the brightness and contrast on a clean image will cause the image to look “washed out” or “over-exposed” and produce less than acceptable output.



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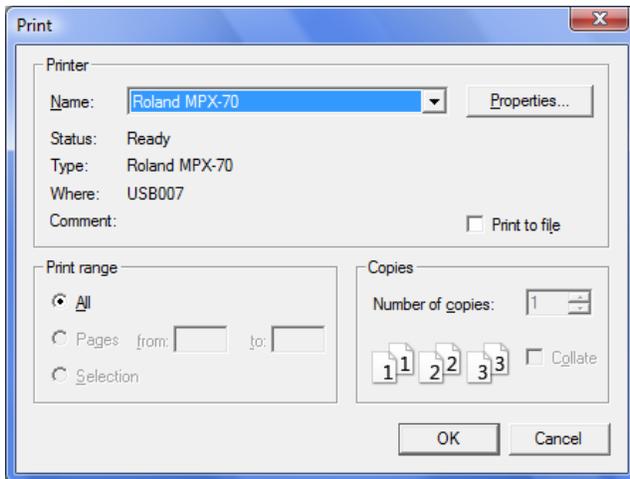
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17. If the image needs detailed adjustment to get good brightness and contrast an image editing application like Photoshop Elements or Corel Photo Paint should be used. These programs are fairly cheap to purchase (under \$100) and have the features needed for adjusting images for impact printing.
  18. Although it is not necessary, converting your image to Grayscale or Black and White prior to importing it into Dr. Metaza2 makes adjusting for brightness and contrast easier.
  19. When you are ready to print, from the Print Preview window click Print (do not click OK or you will lose your adjustment settings).
  20. Clicking print will bring up the printer driver where you can make adjustments or to just double check your settings prior to print (Properties). If the file is ready to print, click OK to output the file to the machine.



21. If the image does not come out bright enough and as long as the material has not been moved, you can make additional adjustments and re-print the file over itself. This will cut down on wasted material.