



Title: Printing on Mounted Canvas with the Gerber Solara ion™

Product: Gerber Solara ion
Document Number: ANote 2009-ion 021
Last Modified: 02 July 2009
Summary: This document explains the important precautions necessary and provides hints to produce a good result when printing on mounted canvas with the Gerber Solara ion.

Mounted canvas is a material that has not been qualified by Gerber and is not an approved material for printing with the Gerber Solara ion. If you decide to print on it, make sure to follow the procedures and precautions in the application note, "Trial Printing on Unqualified Material."

Prepping and Printing Mounted Canvas

- 1 Clean the heads. (Repeat every four hours of printing and two hours of idle time.)
- 2 Prep the material. (Normalize and clean for best results.)
- 3 Select the material type: Flat
- 4 Measure the thickness of the mounted canvas (making sure it stays within the required specification of 1" (25.4mm) thick or less) and find scrap material of the same thickness. If you do not have scrap material of the same thickness, thinner materials can be stacked to equal the correct height.

Note: When stacking material, be especially careful that the thickness is the same measurement as the mounted canvas to prevent head strikes when printing the mounted canvas.

- 5 Load the scrap material and let the Gerber Solara ion measure the thickness.
- 6 Move the gantry out of the way. Replace the scrap material with the mounted canvas.
- 7 Tape the mounted canvas to the table. **IMPORTANT:** The canvas is often warped and will require taping to eliminate head strikes.
- 8 Shut off the table vacuum as the vacuum will pull the canvas down and vary the print distance.
- 9 Adjust the UV shield for flat material.



- 10 In your RIP software, select a similar material profile if the material on which you are printing is not listed. See the application note, "Understanding Material Profiles for the Gerber Solara ion" for detailed information on choosing or obtaining a material profile.
- 11 Send your job to the printer and press RUN JOB to begin printing.
- 12 UV lamps will warm-up. (If lamps are not at the proper temperature.)
- 13 Job will begin printing.
- 14 When job is completed, evaluate the result and adjust the procedure if needed.

©2009 Gerber Scientific, Inc. All Right Reserved
