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Technical bulletin

Utilizing the VMR Option in Brisque v5.1

What's the VMR option?

The Variable Mainscan Resolution (VMR) option is now supported in the latest MPE/MCE Controlled release, and is available for customers requiring lenticular printing ability. Lenticular printing involves scaling the output to a specific non-integer resolution in the mainscan direction.

Image data for VMR contains TIFF tags specifying the rendered resolution and required resolution in the mainscan direction. Print Console sends these values to the MPE/MCE, which produces pixels of the correct mainscan size.

VMR is applicable in the following devices (providing that the latest MPE/MCE version is installed in the device):

- Trendsetter® 400/800 II (Base/AutoLoader/ContinuousLoad/Spectrum®)
- Trendsetter 400/800 (Base/AutoLoader/Spectrum)
- Trendsetter VLF

How to utilize VMR in Brisque 5.1?

Because the VMR option is now supported, you can utilize this option when exposing files from Brisque® to the above listed output devices. There are two alternative methods in which you can utilize VMR in Brisque: changing the default ScaleY, or RIPing files in non-standard resolutions. The two alternatives are further detailed below.

Utilizing VMR by changing the default ScaleY:

VMR support enables you to change the default **ScaleY** value (around the drum) in Brisque v5.1. The default is 100.

1. In the Job ticket Editor – Plate Expose dialog box, click the **Separations** tab.
2. For each separation, change the **ScaleY** value to any value in the range of 96.8 – 103.2.
   Note: An error message appears if you enter an invalid value.

Utilizing VMR by RIPing files in non-standard resolutions:

VMR support enables you to RIP files in mainscan (around the drum) resolutions other than the standard values (standards resolutions are 1200, 2400, and 4800 dpi). You can define a RIP value in the range of (1200 – 4800).
Note: If you use this alternative, there is no need to change the default **ScaleY** value in order to utilize VMR. However, if fine adjustments are required after RIP, you can adjust the resolution by changing the **ScaleY** value.

Important note: After the RIP, you need to create a screenset in the resolution value that was used for the RIP.

About Creo

Creo is a world leader in solutions for the graphic arts industry. Core product lines include image capture systems; inkjet proofers; thermal imaging devices for films, plates, and proofs; professional color and copydot scanning systems; workflow management software; and proofing and printing consumables. Creo is also an original equipment manufacture supplier of on-press imaging technology, components for digital presses, and color servers for high-speed, print-on-demand digital printers. Creo trades under the symbols CREO on NASDAQ and CRE on the Toronto Stock Exchange. www.creo.com

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