EFI Fiery XF v4.1 – Support of NVIDIA graphic boards

The GPU's on modern NVIDIA graphic boards are a great source of parallel processing power and can be used in EFI XF v4.1 to tremendously improve the ripping speed when printing on EFI VUTEk printers.

EFI Fiery XF v4.1 will automatically detect NVIDIA graphic cards and will take advantage of their performance when the user selects an EFI VUTEk printer as the output device.

The following performance test was done on a (rather slow) Intel Xeon 5110 processor with 1,6 GHz and a NVIDIA GTX 285 graphic board with 1GB DDR3 RAM:

A "DIMA60" test form was scaled to a width of 3 meters and was printed on a EFI VUTEk GS-Series printer in 8 colour print mode (cmykCMYK) in a resolution of 1000x720 dpi.

Calculation time with CPU only: 28:02 minutes

Calculation time with CPU & GPU (XF4.1):   **04:34 minutes**

The effect of the acceleration is growing with the size of the files.

Specific system requirements (independent of the system requirements for EFI Fiery XF v4.1) **for the NVIDIA graphic board support** within EFI Fiery XF 4.1:

Operating System:	Windows XP Home Edition
	Windows XP Professional
	Windows 2003 Server standard
	Mac OSX 10.5.2 - 10.5.8
Graphic Board:	NVIDA Geforce GTX series (SLI not supported)
Mainboard:	Support of PCI-Express 2.0 16x
Power Supply:	Recommended: 550W for GTX 285 (needs up to 204W) / 680W for GTX 295 (needs up to 289W)
CPU:	Intel Core 2 Duo / Quad processor with 2.4 GHz or more (or faster processor)
Supported Printers:	VUTEk GS-Series
	VUTEk GSr
	VUTEk PressVu UV 200/600
	VUTEk PressVu UV 320/400
	VUTEk QS-Series
	VUTEk QSr
	VUTEk UltraVu 150
	VUTEk UltraVu 3300
	VUTEk UltraVu 5300
	VUTEk UltraVu II 3360
	VUTEk UltraVu II 5330
Supported Halftoning:	SE2