VUTEk Pro 33r [FAST DRIVE]

This document describes the specifics of the VUTEk Pro 33r printer driver. The driver supports the following printer models:

- VUTEk Pro 33r Fast

printer model supports four colors using CMYK and additionally white.

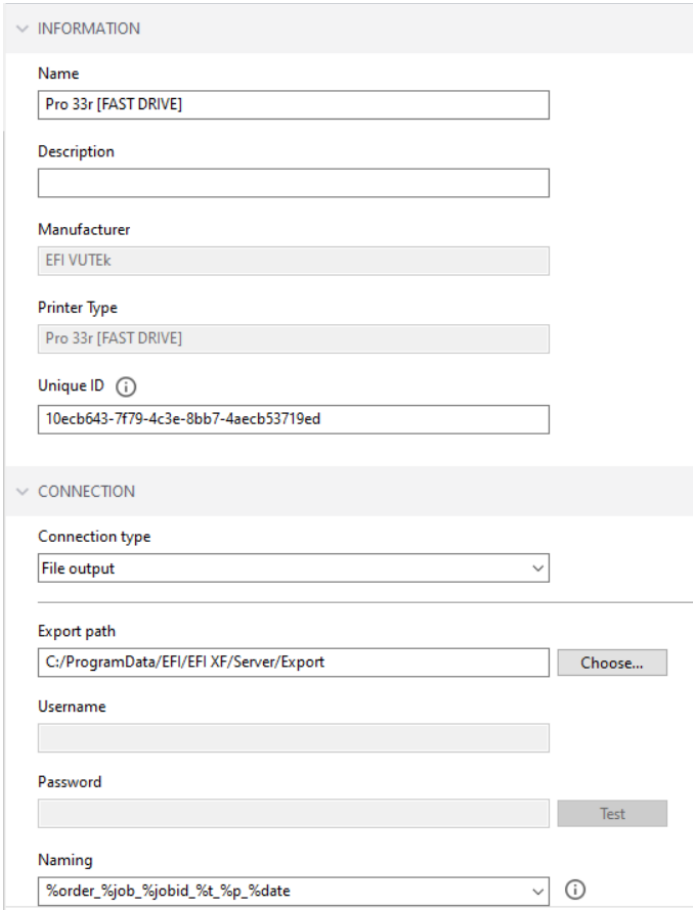
Installation

Install Fiery XF 8.0.2 or later. The Fiery XF drivers are available only for the Windows server.

Printer driver

Configuration

The VUTEk Pro 33r printer driver is a file output device. The output files are created in the configured Export folder. The Export folder may be a local folder on the machine or a network shared folder on a remote machine.



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Connecting to a shared folder on the network

To connect to a remote shared folder using the UNC (Universal Naming Convention) you must enter your user credentials (username and password). You also require write permissions to the remote folder. If necessary, you can add a domain to the username, using the format <domain>\<username>. The password may be optional for user accounts that do not require it on the remote machine. You can verify the connection to the remote folder by clicking the Test button.

The VUTEk Pro 33r Fast FE (Front End) machine may have a shared network folder that you can specify in Fiery XF for direct output.

Database server

A SQL database is used for connection to EFI MIS systems. This is not required for most printer installations.

Connecting to a local folder

Specifying a local folder can be done manually through an LFS (Local File System) path or by browsing to the location using the Choose button. You do not need to enter your user credentials to connect to a local folder.

Output

The VUTEk Pro 33r printer driver generates separated one-bit TIFF files. Each printed job creates its own subfolder based on the chosen naming format: <job-name>**.mjob**. The following output files are created:

File type	Name template
One-bit TIFF separations	< job-name >▲**C**.tif < job-name >▲**M**.tif < job-name >▲**Y**.tif < job-name >▲**K**.tif Additional light ink files for 8 separation modes: < job-name >▲**LC**.tif < job-name >▲**LM**.tif < job-name >▲**LY**.tif < job-name >▲**LK**.tif Additional special inks files (White): < job-name >▲**W**.tif
Preview image	< job-name >▲**PRV**.bmp
Job ticket	< job-name >.xml

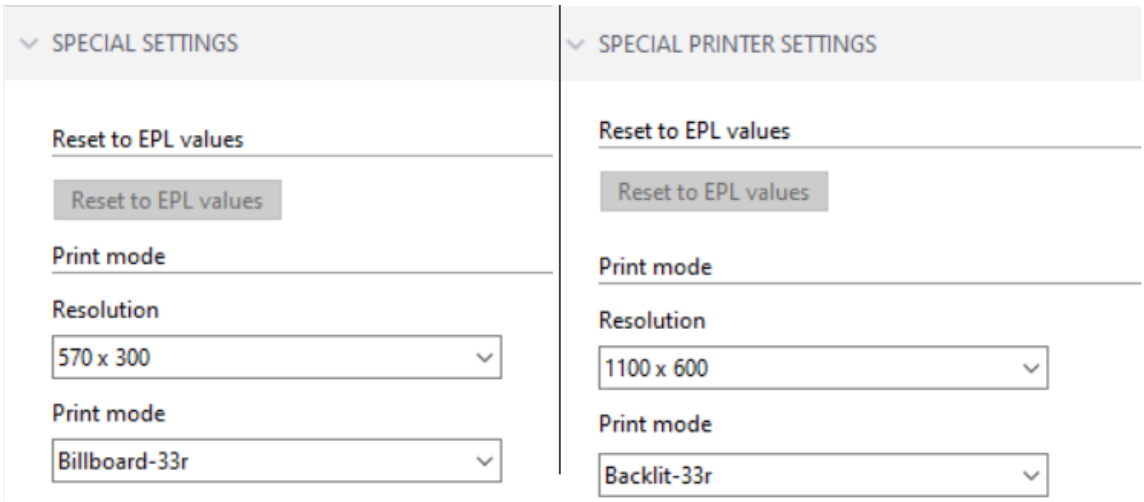
▲ = Space character

The job ticket xml contains job-specific information for the VUTEk Pro 33r Fast printer, including the printer mode to be used and layout options.

Special printer settings

Print modes

You can override the resolution, print mode and smoothing level saved to the selected media profile by using the print mode options on the Special Printer Settings pane:

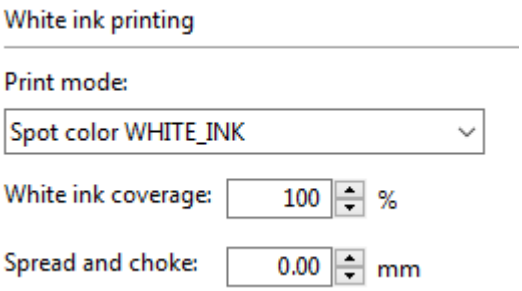


Only resolutions and print modes which are compatible with the color mode of the media profile are available for selection. Similarly, only Smoothing Levels available for the selected Print Mode will be available for selection. For example, if the media profile was created for CMYK, only the resolutions and print modes applicable for this color mode are displayed. The Halftone mode should always be set to “Use halftoning from EPL”.

Clicking “Reset to EPL values” button will reset the resolution, print mode and smoothing level to the values saved in the media profile.

White Ink

All VUTEk Pro 33r Fast printer models support White ink. However, be aware that the White ink is optional, depending on the configuration of the physical device.



You can generate White ink either by mapping a spot color (if one exists in the input job) or by using one of the available options: Bounding Box (Flood), Inked Image or Inked Image Inverse. Details of creating white calibration is available in the Advanced Calibration Guide.

Important: Not all print modes create White ink TIFF separations, even if the White ink option is set up in Fiery XF to generate it either from a spot color or another option. This is because only the White print modes accept these separations on the VUTEk Pro 33r Fast FE side.

For example: If you use the **Distant-View-33r** print mode, no white separation will be created, because it is a non-white print mode. However, if you switch to the **White-Over-33r** print mode, a white separated TIFF will be produced in the job folder.

The following options are available under Print Mode for white ink

Option	Description
Spot color WHITE_INK	**The spot color of this name or alias from a separated document prints white ink**
Bounding Box	**Every pixel in the image rectangle adds white ink. This is recommended more during linearization and profile creation.**
Fixed ink amount on printed areas	**Every pixel which does not have CMYK = 0,0,0,0 on the printer side adds white ink.**
Fixed ink amount on printed areas (inverted)	**Similar to the above but inverted**
Dynamic ink amount on printed areas	**Additional white ink is applied to light areas. White ink is reduced in darker areas to save white ink.**
Dynamic ink amount on printed areas (inverted)	**Similar to the above but inverted**
Off	**Blank separation will be generated**

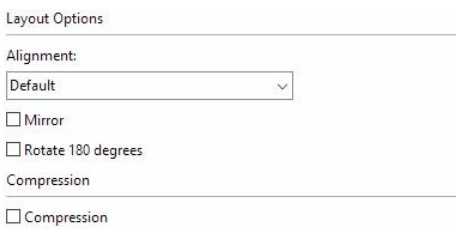
White Ink Coverage options only apply to Fixed ink amount on printed areas, Fixed ink amount on printed areas (inverted) and White_BOUNDING BOX print modes. These options change the overall coverage of white for these modes.

Spread: Expands the size of the White_Ink area. Can be used to have a white frame printed around and image. Is obtained by entering a positive value.

Choke: Decreases the size of the White_Ink area. Mostly used to avoid white ink bleeding from under the CMYK part of file, to compensate for eventual hardware misalignment.

Layout options

The following layout options are available in Fiery XF:



Setting	Description
Alignment	Aligns the job horizontally on the media
Mirror	Mirrors the job horizontally
Rotate 180°	Rotates the job by 180 degrees

Setting	Description
Compression	This is enabled by default and supports compression of data send to printer

These options are set inside the job ticket xml of the job and are reflected on the VUTEk Pro 33r Fast FE user interface. If you change the setting on the VUTEk Pro 33r Fast FE user interface, it overrides the equivalent setting from the job ticket xml.

Note: The layout options provided on the Special Printer Settings pane are different from the generic ones available on the Layout pane of the Fiery XF client, and their behavior is different. While the generic layout options are performed by the RIP, the settings on the Special Printer Settings pane are applied by the VUTEk Pro 33r Fast printer at the time of printing.

Available Print Modes

The following print modes are available in Fiery XF. Additional custom print modes may be available. Contact inkjet support to inquire about additional print modes. For details on the different print modes and how to process and print using them see the printer operations manual.

Print Mode Name	X-Res	Y-res	Drop size pl	Prints White ink?	Comments
Billboard-33r	570	300	14	No	
Distant-View-33r	570	600	14	No	
Outdoor-33r	1100	600	7	No	
Production-33r	1100	600	7	No	
POP-33r	1100	600	7	No	
Quality-33r	1100	600	7	No	
High-Quality-33r	1100	600	7	No	9.0.1
Backlit-33r	1100	600	7	No	
Quality-DS-Backlit-33r	1100	600	7	No	
White-Over-33r	1100	600	7	Yes	
WCC-33r	1100	600	7	Yes	9.0.1
White-CWBWC-C1-33r	1100	600	7	Yes	
White-CWBWC-C2-33r	1100	600	7	Yes	
White-33r	1100	600	7	Yes	
White-DS-33r	1100	600	7	Yes	
White-Under-33r	1100	600	7	Yes	
White-CWC-33r	1100	600	7	Yes	
White-CWC-C1-33r	1100	600	7	Yes	
White-CWC-C2-33r	1100	600	7	Yes	
White-CWC-B-33r	1100	600	7	Yes	
White-CWC-B-C1-33r	1100	600	7	Yes	
White-CWC-B-C2-33r	1100	600	7	Yes	
Indoor-33r	1100	600	7	No	9.0.1

Change History

Version	Date	Description	Updated by	Affected XF Versions
v1.0	16-Apr-24	First version	Vachan KC	Fiery XF 8.0.2
v1.1	13-Mar-26	Added new print modes, Removed info about clear ink and 7 colors as it is irrelevant to this printer	Nikhil A	Fiery XF 9.0.1