



VUTEk D3r/D5r [FAST DRIVE]

This document describes the specifics of the VUTEk D3r/D5r printer driver. The driver supports the following printer models:

- VUTEk D3r [FAST DRIVE]
- VUTEk D5r [FAST DRIVE]

Each printer model supports four colors using CMYK and additionally white and/or clear.

Installation

Install Fiery XF 7.1.4 or later. The Fiery XF drivers are available only for the Windows server.

Printer driver

Configuration

The VUTEk D3r/D5r 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.

INFORMATION

Name
VUTEk D3r [FAST DRIVE]

Description

Manufacturer
EFI VUTEk

Printer Type
VUTEk D3r [FAST DRIVE]

CONNECTION

Connection type
File output

Export path
C:/ProgramData/EFI/EFI XF/Server/Export Choose...

Username:

Password: Test

Naming
order_job_jobid_pt_pr_date ⓘ
Example: 001_FileName_1_T1_P1_20191209131059

Database server

Host name or IP address:
127.0.0.1 Test

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 D3r/D5r 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 D3r/D5r 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/Clear): < job-name >▲W.tif < job-name >▲V.tif
Preview image	< job-name >▲PRV.bmp
Job ticket	< job-name >.xml

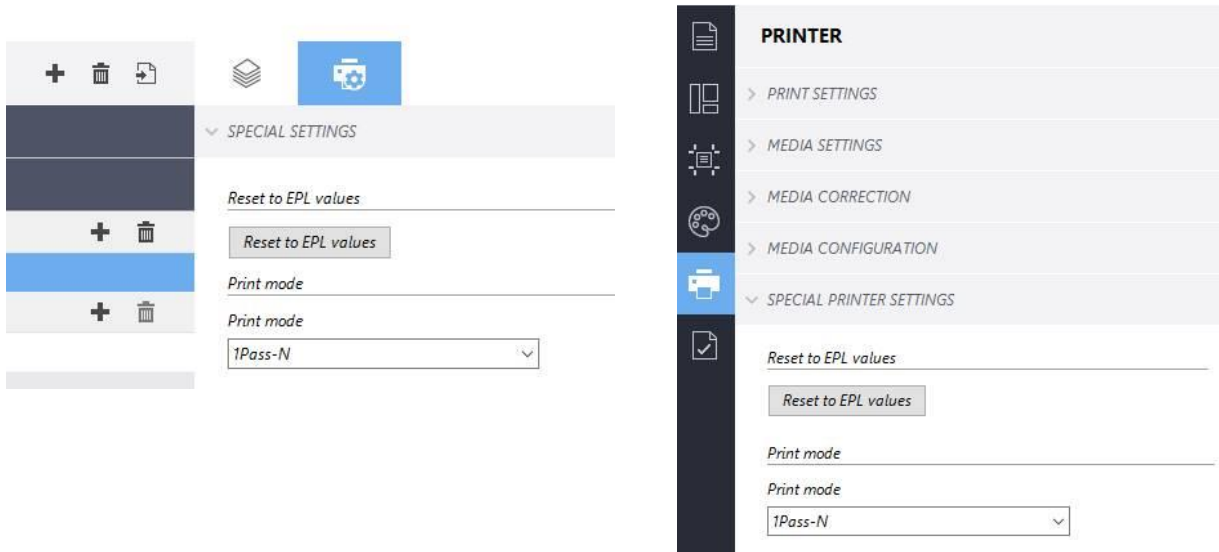
▲ = Space character

The job ticket xml contains job-specific information for the VUTEk D3r/D5r printer, including the printer mode to be used and layout options.

Special printer settings

Print modes

You can override the resolution and print mode 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. 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 the **Reset to EPL values** button will reset the resolution and print mode to the values saved in the media profile.

White Inks

All VUTEk D3r/D5r printer models support White ink. However, be aware that the White ink is optional, depending on the configuration of the physical device.

Print mode:
 Spot color WHITE_INK

White ink coverage: 100 %

Spread and choke: 0.00 mm

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/Clear ink TIFF separations, even if the White/Clear 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/Clear print modes accept these separations on the VUTEk D3r/D5r FE side.

For example: If you use the **5Pass-N** print mode, no white separation will be created, because it is a non-white print mode. However, if you switch to the **WU-Coat-N** 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 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)	Every pixel which does not have CMYK = 0,0,0,0 on the printer side adds white ink 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)	Additional white ink is applied to light areas but inverted. White ink is reduced in darker areas to save white ink.
Off	White ink is turned off.

White Ink Coverage: Applicable only 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. This option is used to have a white frame printed around an image. You need to enter a positive value for this option.

Choke: Decreases the size of the White_Ink area. This option is mainly 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:

Layout Options

Alignment:

Mirror

Rotate 180 degrees

Compression

Compression

Setting	Description
Alignment	Aligns the job horizontally on the media.
Mirror	Mirrors the job horizontally.
Rotate 180°	Rotates the job by 180 degrees.
Compression	This is enabled by default and supports compression of data sent to the printer.

The layout options are set inside the job ticket xml of the job and are reflected on the VUTEk D3r/D5r FE user interface. If you change the setting on the VUTEk D3r/D5r 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 D3r/D5r printer at the time of printing.

Available Print Modes

The following print modes are available in Fiery XF 7.1.4 onwards. 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?	Print Clear Ink
1Pass-N	318	600	28	No	No
2Pass-N	726	1200	7	No	No
2Pass-N1	726	1200	7	No	No
3Pass-N	726	1200	7	No	No
5Pass-N	726	1200	7	No	No
5Pass-HQ5	847	1200	5	No	No
6Pass-N	726	1200	7	No	No
WO-N	726	1200	7	Yes	No
WU-N	726	1200	7	Yes	No
WU-Production-N	726	1200	7	Yes	No
CWC-N	726	1200	7	Yes	No
CWC-C1-N	726	1200	7	Yes	No
CWC-C2-N	726	1200	7	Yes	No
CWBWC-C1-N	726	1200	7	Yes	No
CWBWC-C2-N	726	1200	7	Yes	No
4Pass-Coat_Gloss-N	726	1200	7	No	Yes
4Pass-Coat_Matte-N	726	1200	7	No	Yes
WU-Coat-N	726	1200	7	Yes	Yes
WU-Coat_Production-N	726	1200	7	Yes	Yes