VUTEk Pro 32r+ [Fast Drive]

This document describes the specifics of the VUTEk Pro 32r+ [FAST DRIVE] printer driver. The driver supports the following printer model:

- Vutek Pro 32r+ [FAST DRIVE]

The printer model supports four colors using CMYK and optional White.

Installation

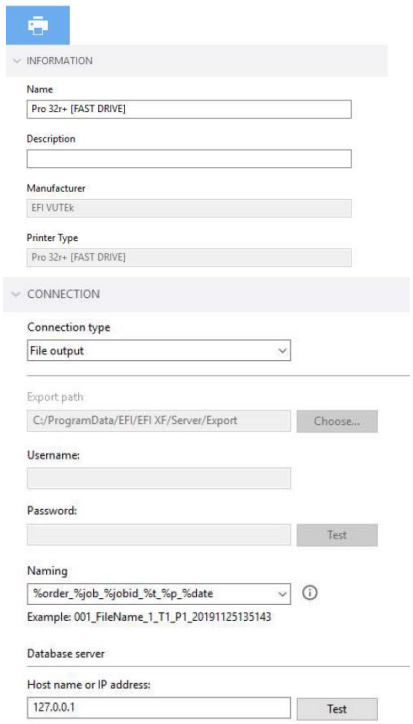
Install Fiery XF 7 upgraded to 7.1.4 or later. The Fiery XF drivers are available only for the Windows server.

Printer driver

Configuration

The VUTEk Pro 32r+ printer driver is a file output device. The output files are created in the configured Export folder.

The Export folder is a local folder on the machine or a network shared folder on a remote machine.



Connecting to a shared folder on the network

To connect to a remote shared folder using the Universal Naming Convention (UNC), 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 <*domain*>\<*username*> format. Password can be optional for user accounts that do not require password on a remote machine. You can verify the connection to the remote folder by clicking the **Test** button.

The VUTEk Pro 32r+ FE (Front End) machine may have a shared network folder that you can specify in Fiery XF for direct output.

Connecting to a local folder

Specifying a local folder can be done manually through a Local File System (LFS) 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 32r+ 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 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

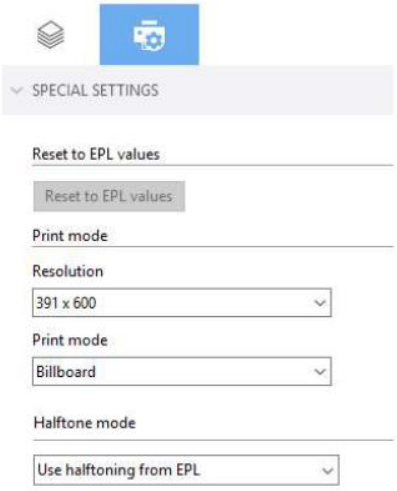
▲ = Space character

The job ticket xml contains job-specific information for the VUTEk Pro 32r+ [FAST DRIVE] 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 is 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 Pro 32r+ printer models support White ink.

Note: 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.

Note: 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 Pro 32r+ FE side.

For example: If you use the 4C-Production print mode, no white separation will be created, because it is a non-white print mode. However, if you switch to the 4C-White-Under 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.

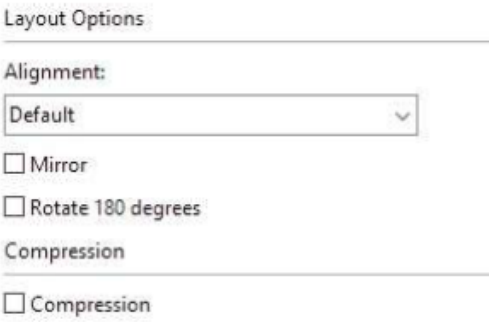
Spread: Expands the size of the White_Ink area. This option is used to have a white frame printed around an image. You need to enter a positive value for this option.

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.

When creating a calibration, you have the option to generate a generic white calibration or a custom white calibration. Based on experience, the generic white ink calibration makes it mostly unnecessary to create a custom white calibration.

See the *Fiery XF Advanced Linearization Guide* for details on white calibration.

Layout options


Layout Options
Alignment:
Default
Mirror
Rotate 180 degrees
Compression
Compression

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.
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 Pro 32r+ FE user interface. If you change the setting on the VUTEk Pro 32r+ 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 32r+ [FAST DRIVE]printer at the time of printing.

Available Print Modes

The following print modes are available for Vutek Pro 32r+ [FAST DRIVE] in Fiery XF 7.1.4 onwards. Additional custom print modes are also 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?
Billboard	391	300	14	No
Distant view	391	600	14	No
Outdoor	391	600	14	No
Production	847	600	7	No
Indoor	847	600	7	No
POP	847	600	7	No
Quality	847	600	7	No
High Quality	847	600	7	No
White-Under Production	847	600	7	Yes
White-Under DS	847	600	7	Yes

Print Mode Name	X-Res	Y-res	Drop size, pl	Prints White?
White-Under	847	600	7	Yes
White-Over	847	600	7	Yes
White-CWC	847	600	7	Yes
White	847	600	7	Yes
White DS	847	600	7	Yes
White-CWC50	847	600	7	Yes
White-50CWC	847	600	7	Yes
White-CWC-C1	847	600	7	Yes
White-CWC-C2	847	600	7	Yes
White-CWBWC-C1	847	600	7	Yes
White-CWBWC-C2	847	600	7	Yes