VUTEk h Series

This document describes the specifics of the VUTEk printer driver.

The driver supports VUTEk h3 and h5 printer models.

Installation

Install Fiery XF 7.2.2 or later.

Available ink types

- EFI VUTEK h SERIES
- SuperRange
- XA
- Transfrom-TF ([FAST DRIVE] only with Fiery XF 7.3.3 and later)

Available printer drivers

Printer model	Printer driver
h3	VUTEk h3 (legacy driver)
	VUTEk h3 X4 [FAST DRIVE]
	VUTEk h3 [FAST DRIVE]

Printer model	Printer driver
h5	VUTEk h5 (legacy driver)
	VUTEk h5 X4 [FAST DRIVE]
	VUTEk h5 [FAST DRIVE]

Note: You cannot choose White drivers when setting up a printer in Server Manager. You can select White driver only in Color Tools during calibration.

Additional ink

- Ink Name: WHITE_INK

  Opaque Ink

  Will be processed on the linearization device.

  Shortname: WHITE_INK

  Preview Color in Lab*:94 / 0 / 0

Printer settings

The printer settings are color-dependent. You define them in Color Tools when you create a new base linearization (EPL) file. EPL files contain all the settings necessary to reproduce colors and ink coverage on the printer. They also contain a reference to an ICC color profile.

Color modes

- CMYK
- CMYKcmyk

Color Tools displays the color modes that can be used for EPL creation, and the color modes with colors that are compatible even if the color mode is no longer supported.

When using the VUTEk hx [FAST DRIVE] driver, the CMYK print mode will create a calibration that prints using only CMYK inks, but it will not print in the much faster X4 print mode. This is useful when you print very short runs where the changeover time to the X4 print mode is too long. Use the CMYK print mode with the VUTEk hx X4 [FAST DRIVE] driver to create a calibration that uses the X4 print mode.

Resolution(s)

- Fast scan:600 DPI Slow scan :600 DPI
- Fast scan:600 DPI Slow scan :1200 DPI

Halftoning

- Error diffusion (SE1)
- Stochastic screening (SE2)

Printer Driver Features

Print Head Control bar

This Fiery XF printer driver supports the Print Head Control Bar. For more information on how to use it, see "Printing to a VUTEk printer" in the Fiery XF user manual. You can download the user manual from http://help.efi.com/index/index.html.

White skip contour data

To optimize print head movement, the RTL file contains embedded contour data for the empty image area. This is the case for all VUTEk h3/h5 [FAST DRIVE] PRINT drivers. The legacy driver (non-FAST DRIVE) does not generate a white skip area and information inside the RTL file.

Also, for RTL post-processing you may also need updates for tools that are able to read and process this white skip contour information.

White ink feature

All VUTEk h3 and h5 printer models support White ink.

Note: 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.

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 printer 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.
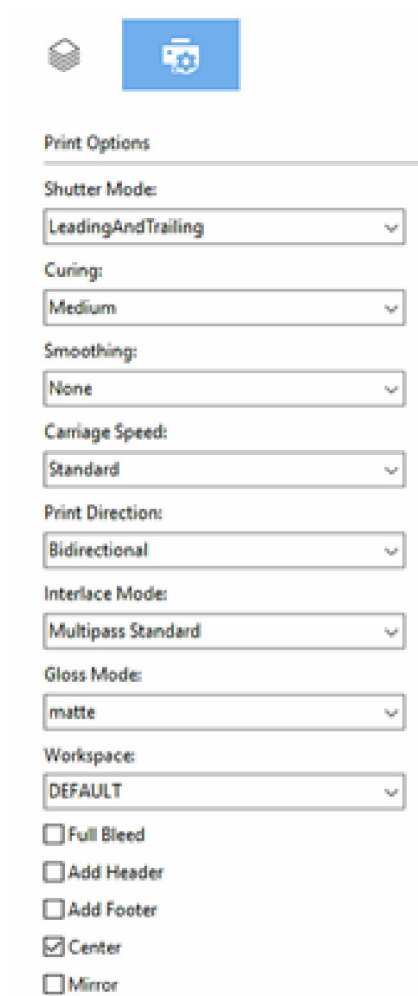
See the *Fiery XF Advanced Calibration and Profiling Guide* for details on white calibration.

Print via IP address

Printing to a VUTEk via IP address speeds up the process and enables integration to other products such as EFI Pace. When jobs are printed via IP address, the VUTEk printer software does not need to scan the complete RTL (which requires some time). This will accelerate the process noticeably.

For more information on how to set up a VUTEk printer in Fiery XF, see "PRINTING TO A VUTEK PRINTER" in the Fiery XF user manual. Set up an EFI VUTEk printer in Command Workstation" in the Fiery XF online help

With IP Printing enabled, Print Options that can be set on the printer can be set in Fiery XF. These Print Options are displayed in the Media Special tab as shown below.   See the printer documentation for details about these print options.

Print Options

Shutter Mode:
LeadingAndTrailing

Curing:
Medium

Smoothing:
None

Carriage Speed:
Standard

Print Direction:
Bidirectional

Interlace Mode:
Multipass Standard

Gloss Mode:
matte

Workspace:
DEFAULT

☐ Full Bleed
☐ Add Header
☐ Add Footer
☑ Center
☐ Mirror