

VUTEk M3h

VUTEk M3h is a hybrid production printer using UV ink.

This document provides information on how to drive the printer from Fiery XF.

Installation requirement:

- FAST Processing Option, e.g. Fiery proServer Premium
- Fiery XF 8.0.4
- Fiery Command WorkStation 7.1

Supported printers

The following drivers exist:

Printer model	License
VUTEk M3h [FAST DRIVE]	Printer Option EFI FAST Drive Option

Setting up the printer in Fiery XF

Set up the export path in Server Manager to generate a *.prn file which you can load into the VUTEk M3h Printer software.

File output			\sim	
Export path				
C:\ProgramData\EFI\EFI XF\Serv	er\Export\VUTEk_M3h_	FastDrive	Cł	100se
Naming				
%order_%job_%jobid_%t_%p_%	late		~ (i)	

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Settings

Output Settings					
Resolution:	363 x 600	\sim	Color mode:	СМҮК	~
Print mode:	Default	\sim	Dot size:	Fixed	~
Print direction:		\sim	Screening:	Fixed Gravscale	
Halftoning:	Stochastic Screening (SE2)	\sim	Smoothing level:	dotLutGen6_1_MP_2bpp dotLutGen6_2_MP_2bpp	
Optional calibration steps	☐ Include 'Gray Balance' step for ne ☐ Include 'Quality Control' step for	dotLutGen6_3_MP_2bpp dotLutGen6_4_MP_2bpp dotLutGen6_5_MP_2bpp dotLutGen6_6_MP_2bpp dotLutGen6_7_MP_2bpp dotLutGen6_8_MP_2bpp			

Resolutions

363*600, 363*1200, 363*1800, 363*2400

The exact horizontal resolution is 362.857 dpi.

Dot sizes

Dot Size	Drops	Description
Fixed	N.A.	1bpp Data
Grayscale	S,M,L	2bpp generic
dotLutGen6_1_MP_2bpp	S,M,L	More small drops than Grayscale
dotLutGen6_2_MP_2bpp	S,M,L	More small drops
dotLutGen6_3_MP_2bpp	S,M,L	More small drops
dotLutGen6_4_MP_2bpp	S,M,L	More small and medium drops
dotLutGen6_5_MP_2bpp	S,M,L	More small and medium drops
dotLutGen6_6_MP_2bpp	S,M,L	Few small, more medium drops
dotLutGen6_7_MP_2bpp	S,M,L	Only medium and large drops
dotLutGen6_8_MP_2bpp	S,M,L	Only large drops

Color Modes

The driver offers CMYK, CMYKcm and CMYKcmk. Advanced Linearization is used.

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White Ink and Clear Ink

Print mode lets you select how the spot color is generated. The default takes it from a separation of a separated job. You can also generate the spot color by a choice of algorithms.

White/Clear ink coverage sets the amount or factor of the color (depending on Print mode setting).

Spread and choke increases or decreases the image.

Spot color settings of a separated job:

Bou	ntyWhiteInk.cxf			~				
Spot	color priority							
CM	/K ∨ ⇒ L*a*ł	•* ∽ ⇒	Inte	rnal	~ =	Sour	ce	\sim
Spot	color handling							
· .	omatic (default)			~				
Auto	matic (derault)							
Avail	able spot colors or	n this job						
	Name	Source		Map	to			
•	Cyan	СМҮК	~	100	0	0	0	
!	Magenta	СМҮК		0	100	0	0	
	Magenta Yellow	СМҮК СМҮК		0 0	100 0	0 100	0	
_	-			~		-	·	
	Yellow	СМҮК		0	0	100	0	
	Yellow Black	СМҮК СМҮК		0 0 WHIT	0	100 0	0	
	Yellow Black Wei;	CMYK CMYK PRINTER		0 0 WHIT PANT	0 0 TE_INK	100 0 78 C	0	
	Yellow Black Wei; PANTONE 478	CMYK CMYK PRINTER PANTONE	Ŧ	0 0 WHIT PANT PANT	0 0 TE_INK TONE 4	100 0 78 C 65 C	0	
	Yellow Black Wei; PANTONE 478 PANTONE 465	CMYK CMYK PRINTER PANTONE PANTONE	×	0 0 WHIT PANT PANT	0 0 TE_INK TONE 4	100 0 78 C 65 C	0	
	Yellow Black Wei; PANTONE 478 PANTONE 465 PANTONE 334	CMYK CMYK PRINTER PANTONE PANTONE PANTONE	×	0 0 WHIT PANT PANT PANT	0 0 TE_INK ONE 4 ONE 4 ONE 3	100 0 78 C 65 C 34 C	0	

In this Job Editor example, the job contains a separation "Weiß" (German for White) which is assigned directly to the printer-specific spot color "WHITE_INK", bypassing color management. Together with the Print mode setting "Spot color WHITE_INK", the separation "Weiß" is printed with the white ink of the printer.

Another case of bypassing color management for a certain separation is the Source "InkJet". If you want to print a "Barcode" separation with printer black only, Source "InkJet", Map to "0 0 0 100" is what you need.

With Color Editor you can manage such settings and store them in a Spot color library.