

IP PRINTING

Introduction

"Print via IP network" is the default connection type when setting up most VUTEk printers. It allows users to take advantage of the benefits of IP printing:

- Eliminates the task of manual job import which can be prone to error
- Helps the printer operator organize files better using workspaces
- Standardizes repetitive tasks by allowing print parameters to be assigned from prepress
- Optimizes the printer workload by enabling RIPed jobs to be moved easily to another printer of the same model and with the same printer settings
- Sends back real-time job status messages coming from the printer
- Enables print operators to be more focused on print production
- Allows direct connectivity with EFI eCommerce and MIS solutions

The following sections explain how to set up EFI VUTEk output devices via IP.

Preparing the workflows for IP printing

Start by disconnecting all workflows connected via file output.

1. Right-click the gray area in System Manager and click Disconnect All Printers from All Workflows.







2. Select the Linearization device and make sure that no printer manufacturer is selected.

Linearization device	
VUTEk LX3 Pro 2	
Manufacturer:	
Select a manufacturer	•
Device type:	
	*

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Setting up the IP connection

Print via IP network is the default connection type when you create a new EFI VUTEk device.

Device	Media	Special		
Information				
Name:				
EFI VUTEk LX3 Pro 2	?			
Description:				
Manufacturer:				
EFI VUTEk			•	
Device type:				
VUTEk LX3 Pro			•	
ö Connection				
Connection type:				
Print via IP network			•	

Note: If File output is displayed, you can switch by clicking on the Connection type drop-down list box and selecting Print via IP network.







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ile Setup Diagnostics S	ervice			
Mai Bidirectional	reen	(****	Network Settings	×
Step		Hostname	VutekPrinter	
<u>O</u> ffsets	_			50
<u>C</u> arriage Gap		Cun		20
<u>D</u> ata Line		A ito (DHCP)		
<u>A</u> utoclean		Satic IP		
Ink Cost		IF Address		
Color <u>M</u> ode		in Address		
M <u>e</u> dia Database		SibnetMask		
Default <u>P</u> rint Options		D fault Gateway		
Active <u>Q</u> ueue Options		Permany DNS Serv	er	
Sort Workspace		S condary DNS S	enver	_
Active Markenace				
Network				- 1

2. On the Connection pane, enter the IP address of the printer you want to connect to. Leave the port setting unchanged. Then click Connect.

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IP address	Port:	
10.210.37.66	8013	Connect
Export path:		
C:\\JDF\UploadFiles		
Device information		
Device Status:		
	1 50	

A message confirms that the connection has been successfully set up. The VUTEk integration version displayed under **Device information** indicates that a bidirectional communication exists between Fiery XF and the printer.





3. Connect the output device to the workflow, by dragging a line between the two. Do the same for all workflows.

Fiery XF File Edit System Tools Workspace Help Job Explorer System Manager						
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Users	•	Workflows	۰.		Output Devices	Device Media Special
admin	► EF	I Linearization		•	Linearization device	× Information
guest 🕨	Pri	oduction (Speed) 1		•	VUTEK L/3 Pro 1	VUTEk LX3 Pro 1
	Pri Pri	oduction (Speed) 2	•	•	VUTEk LX3 Pro 2	Manufacturer
	• co	intour Cutting	Ŀ	•	VUTEK HS125	EFI VUTEK
						VUTEk LX3 Pro
						Connection
						Print via IP network
						IP address Port: 10.34.1.246 8013 Connect
						Export path: C\\UP\UploadFiles
						Device information
						VUTEk Integration Version: 1.50
Total: 4 Held: 2 Processing:	0 Printing: 0					Connected to 127.0.0.1
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Note: You need one output license to drive every physical printer. Otherwise, you will get a message that you do not have enough valid output licenses. In this case, send an e-mail to Fierywideformatsupport@efi.com to request additional output licenses.

RTL files are created on the designated export path: E:\Export on Fiery proServers or C:\ProgramData\EFI\EFI XF\JDF\UploadFiles on a non-Fiery proServer computer.

🖉 Fie	ery XF				
File	Edit	System	Tools	Workspace	Help
J		Language	·s		
		Measuren	nent Sys	tem	•
		Monitor p	orofile		
Г		Сору		СТ	RL-C
		Paste		CT	RL-V
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Ц	636965	JDF Expor	t Folder		
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If you have a non-Fiery proServer configuration, you can change the export path by going to System Manager > Edit > JDF Export Folder. Click Browse to select a custom folder for saving your RTL, GIF and JDF files. Make sure the folder has full access rights. Click OK to apply.





Using Workspaces

A workspace is a more efficient way of managing jobs, instead of saving RTL files in folders. A workspace is like a print queue. It contains all the jobs to be printed on a particular day, or on a particular substrate.

On the VUTEk print station, you can create a new workspace which is automatically synchronized with a Fiery XF connected to the printer via the IP protocol. Make sure that workspace names do not have spaces in them.

#				
Workspace:	All			
Print	All DEFAULT		iyer 👍 Queue 🛛 💾 Archive	💥 Delete
Job Name	safe launch		Size (inches)	Print
[New Workspace		T	
539_79	Delete Workspace Edit Workspace		60.05 x 120.00	KCM
HS100	600 6c AccTarg 45122638revB. RTL	-	52.05 x 95.75	KCM
H5100	600[GS] 6c AccTarg 45122639nRTL		52.03 x 95.75	KCM
H5100	1000 6c AccTarg 45122640revERTL	-	52.03 x 95.75	KCM
HS125	Dyson file 600 grayscale.rtl RTL	-	52.03 x 48.62	KCM
H5125	Dyson file 1000dpi.rtl RTL	-	52.03 x 48.62	KCM
H5125	Purple Gray 600 binary.rtl RTL		52.05 x 52.00	KCM

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Workspaces created on the VUTEk print station will then populate the **Workspace** dropdown list box in Fiery XF.

Print Options		
Workspace	DEFAULT	N.*
	Custom	12
Printing Direction	ALL DEFAULT safe launch	

Alternatively, you can create a custom workspace by choosing **Custom** and entering a preferred name for the workspace. It is recommended that you choose a workspace name that will help you to organize your jobs better.

Send a job to create the workspace on the VUTEk print station and to make it available in the Fiery XF workspace list.





Note:

- Custom workspaces are currently available for the following printer models: HS-100 Pro and HS-125 Pro Series with Software v2+ build All GS, QS Pro and H2000 Series with Software v4.1+ build
- Deleting and modifying workspaces can only be controlled from the VUTEk print station and not in Fiery XF.

Sending jobs to IP-enabled workflows

One of the benefits of sending jobs via an IP address is that you can monitor the progress of the job from prepress to press. This is not possible when jobs are printed to file.

Below are the statuses received by Fiery XF:

#	
Submitting	Job is being transferred from Fiery XF to the VUTEk print station
Submitted	The job was successfully transferred and a job preview is being built
Waiting	The job preview can be viewed at the VUTEk print station, and the job is waiting in the queue
Printing	The job is being printed
Printed	The job has finished printing

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Viewing the JDF job properties

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With IP printing, you can get useful information when the job has finished printing, e.g. media and ink consumption, printing duration, ink and media wastage (if the job was cancelled during printing).

1. With the printed job selected in Job Explorer, go to File > JDF ticket. Then, click Details to view the JDF job properties.

	JDF	Job Propertie	;									
		Job details				Media details						
		Job ID			Due date		Name			Product	ID	
		JDF job n	ame		Copies: Print:1 Printer	d:1	Roll / Sh Roll	eet		Type:		
		Custome	r ID		Proofing Re No	quired	Size:					
		Custome	r Name		Cutting req Not Required	uired	Modia	vartago	dotaile			
		Submiss	on date		Duplex Mod	le	Wastag	e sheets	/ length	Wastage	area	
IDE Ticket		URL			-		0.000 mr	n		0.000 sq.	mm	
JDF licket –							Ink was	tage de	tails			
tach JDF ticket:		Media Co	onsump	otion Details			Black		0.000000 ml	Cyan		0.000000 ml
lo JDF ticket 🔹 🗸 Apply	1	26.354 mm	d Sheet	ts / Length	Consumed 11990.748 st	Area q. mm	Magent	a	0.000000 ml	Yellow		0.000000 ml
)Fjob ID:		Ink Cons	umptio	n Details								
Fjob name:		Black		1.634540 ml	Cyan	2.153320 ml						
escription:		Magenta		2.672100 ml	Yellow	3.190880 ml	Printing	j Time D)etails			
istomer ID:				-			Print st 05/08/20	art time 16 15:04:5	57	Print end 05/08/201	d time 16 15:05:1)2
ustomer:		_	-	-	-		Print du 5.00 sec	ration				
Details #												

Frequently Asked Questions

When I upgrade to Fiery XF 6.3, will my current workflows set to file output remain unchanged?

Yes, nothing will change with your workflow setup when you upgrade to version 6.3. It is only when you create a new output device that the default is set to **Print via IP network**. File output will still remain an option.





We switch off our printer in the evening. Can I still process my jobs and choose my workspace and other print options even if the printer is offline?

Yes you can, as long as you have established your connection to the printer at least once, exposing all print options available before you shut down the printer.

In addition, you need to set up your workflow in System Manager and change the given set of workspaces and print options after jobs are imported into Job Explorer. #

	RTL preview cr	eation	
HS125 Pro	HS125 Pro	eview of RTL files	
	Print mode:		
	Resolution:	600 x 360 🔻	
	Print mode:	le: Normal 🔻	
		Reset to Default	
	Print Options		
	Workspace	Beau 🔻	
	Printing Directio	n Bidirectional 🔻	
	Interlace Mode	Multipass Standard 🔻	
	Carriage Speed	Standard 💌	
	Smoothing	None	
	Curing	Medium	
	Shutter Mode	LeadingAndTrailing 🔹	
	Gloss Mode	matte 🔹	
	Eull Bleed	Add Header Add Footer	
	✓ Center	Mirror	

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When the printer becomes available again, go to System Manager and set the connection back online. In Job Explorer, select the jobs, and click **Print**. The jobs go from the **Processed** to the **Submitting** status which signals that they are being uploaded to the printer.

I am not sure which workspace to send my jobs to. How should I set up my workflow?

In this case, we recommend that you import the jobs as "hold jobs" so that they stay in Job Explorer as "spooled". You can then select the workspace and other print options easily in Job Explorer and print the jobs on the fly.





Setting the connection between the workflow and printer on hold also allows you to change any other settings like media or layout options before submitting the job to the printer.

+ H125 Pro				•	H125 Pro		
Processed	Lighthouse.jpg 00143	VUTEk LV3 Pro	EFI VUTEk LX3 Pro		JPEG	Print mode	
Spooled	Chrysanthemum 00144	VUTEk LX3 Pro	EFI VUTEk LX3 Pro		JPEG	Resolution:	600 x 360 👻
						Print mode:	Normal
							Reset to Default
						Print Options	
						Workspace	Shawn

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I have processed my job to print to my VUTEk LX3 printer. The printer is busy, but my second VUTEk LX3 printer is available. Can I move my RIPed job to the second printer without processing the job over again.

As long as the second VUTEk printer is exactly the same printer model and has the same calibration settings, you can move the job between printers by right-clicking the job in the job list, clicking **Move to Printer**, and then clicking the printer name of the second printer.

Note: If the output file is moved to the second printer, the output quality may be slightly different from intended. If you wish to apply an optimization or color correction to the job, you will need to reprocess the job.







I could not find the print options of the VUTEk print station I am connected to. How do I re-establish the communication between Fiery XF and the VUTEk print station?

Go to System Manager and click **Connect**. When you get the message that the connection is OK, go back to the **Special** tab and check whether the print options are displayed again.

IP address	Port:		
10.210.37.66	8013	Connect	
Export path:			
C:\\JDF\UploadFiles			
Device information			
Device Status:			
VUTEk Integration Version	n: 1.50		

