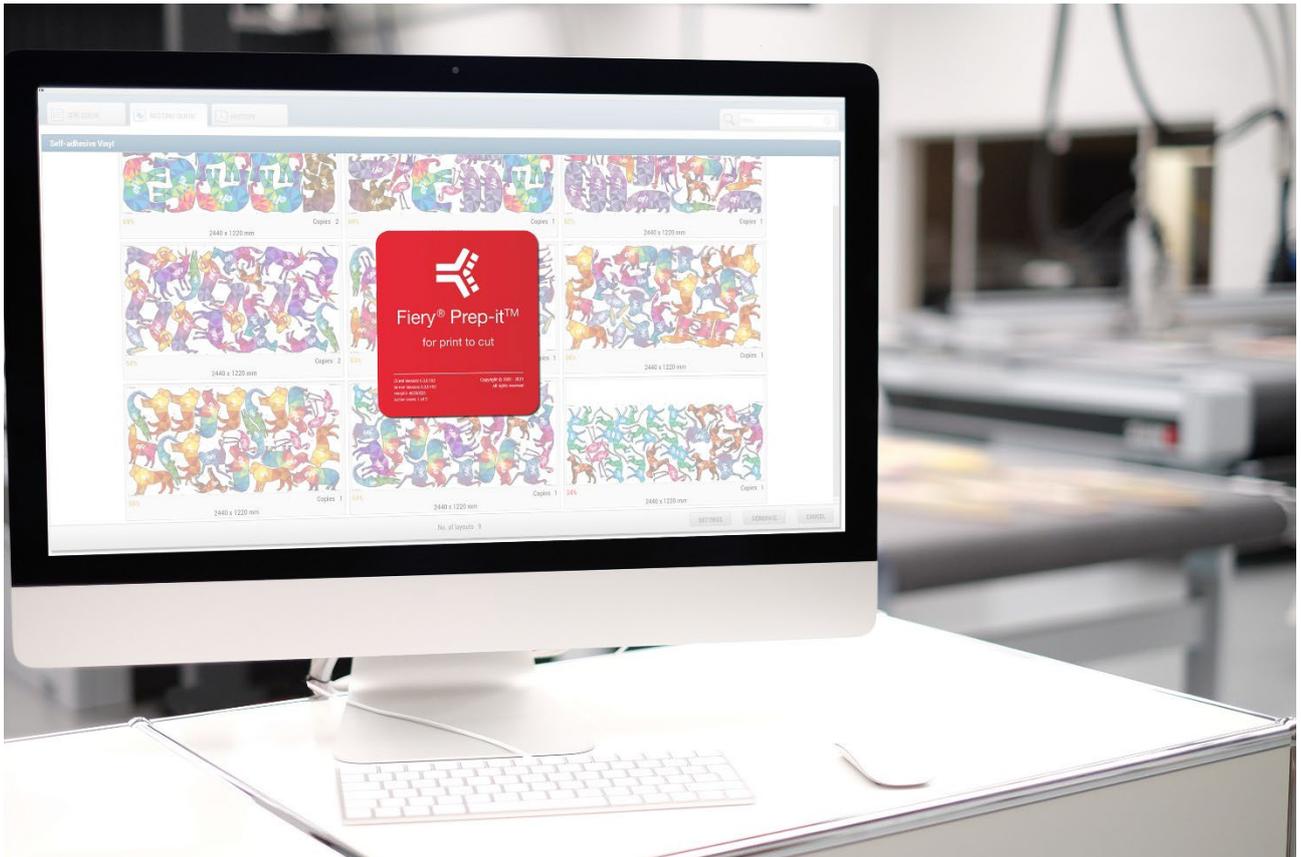


# Fiery Prep-it 6



## User Guide

## User Guide

This user manual describes how the Fiery Prep-it software works and how it helps prepare graphic files for a streamlined and very efficient print and cut workflow. Fiery Prep-it software is designed for single file preparations as well as true-shape nesting of multiple files to a media. The software is useful as a stand-alone product or linked and fully integrated to Fiery software that drives multiple printers and cutters.

This manual will introduce you to many features and procedures that will enable you to fully operate the software. The Fiery Prep-it software runs on both Windows and MAC platforms.

For further information on documentation and support, please contact your local EFI representative.

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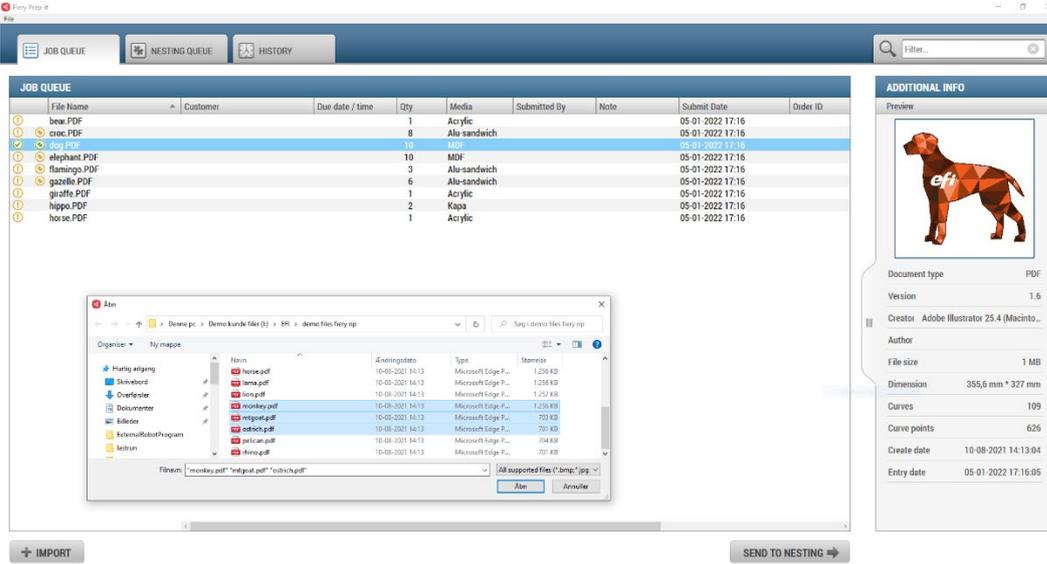
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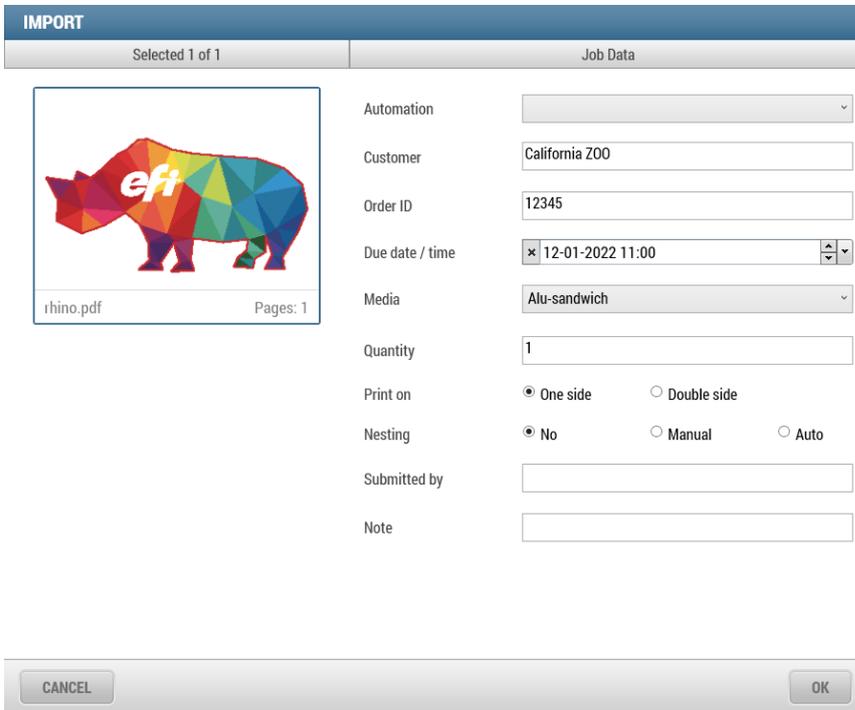
# 1 Quick Start Guide

How to quickly start working with files in Fiery Prep-it software.

## 1.1 Import and prepare jobs with register marks and barcodes

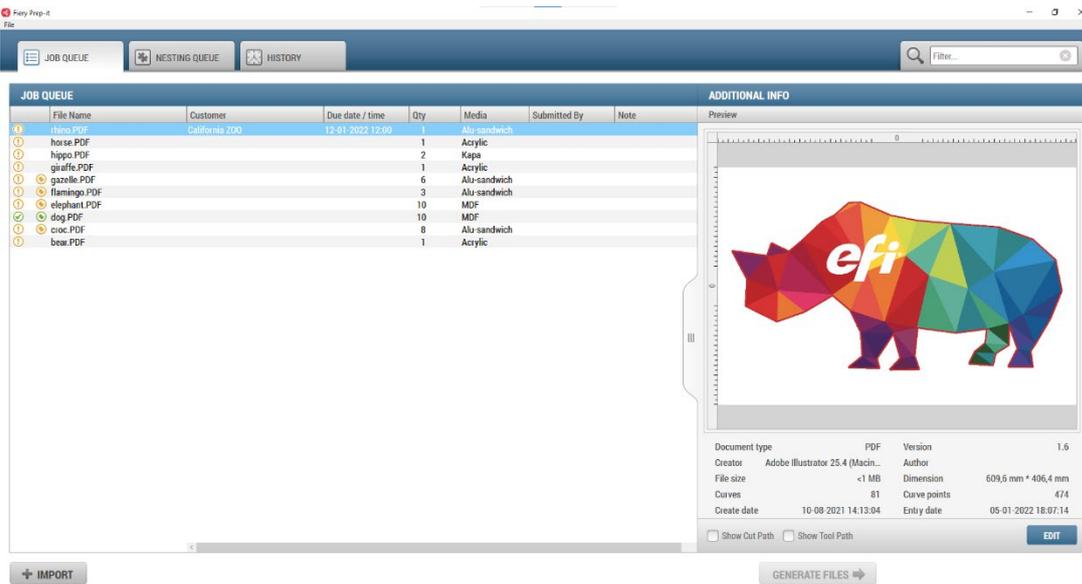


- In **the JOB QUEUE**, click **IMPORT** to open the dialog and locate the file and click **Open**.
- Enter relevant **Job Data** as needed, choose **Media** and specify **Quantity**.
- Choose Print on **One side** and **No Nesting** and click **OK** to start importing the file.



JOB QUEUE						
	File Name	Customer	Due date / time	Qty	Media	Submitted By
!	rhino.PDF	California ZOO	12-01-2022 12:00	1	Alu-sandwich	
!	horse.PDF			1	Acrylic	
!	hippo.PDF			2	Kapa	
!	giraffe.PDF			1	Acrylic	
!	gazelle.PDF			6	Alu-sandwich	
!	flamingo.PDF			3	Alu-sandwich	
!	elephant.PDF			10	MDF	
!	dog.PDF			10	MDF	

- When the status symbol turns Yellow, the job is fully imported into the Job Queue, but the file is not ready yet!



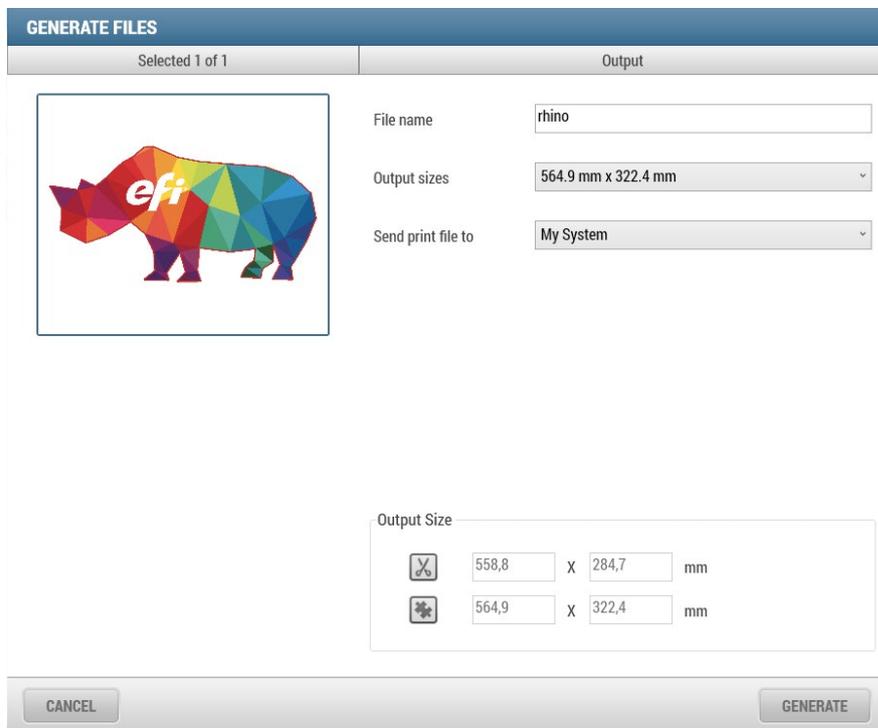
- Click on the **EDIT** button, right-click or double-click to open the file in the Job Editor.
- In the Job Editor, go to the **Curves** tab and select the curve(s) you want and place them into the Media layer(s).



- Click **OK** now or go to the **Output** tab and confirm that you have the register marks and barcodes you like.
- Click **OK** to return to the Job Queue.



- Click on **GENERATE** to get the output dialog, confirm settings and click **GENERATE**.



- You have now generated a PDF print and cut file.

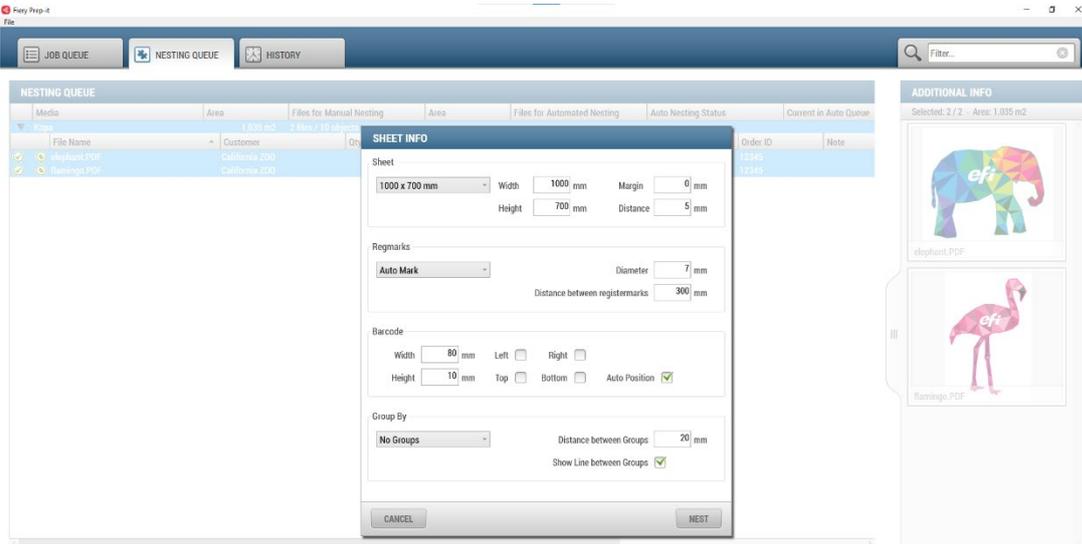
## 1.2 Import, prepare and nest multiple job a media

FILE INFO	
Selected 2 of 2	Job Data
	Automation
elephant.PDF Pages: 1	Customer: California ZOO
	Order ID: 12345
flamingo.PDF Pages: 1	Due date / time
	Media: Kapa
	Quantity: 5
	Print on: <input checked="" type="radio"/> One side <input type="radio"/> Double side
	Nesting: <input type="radio"/> No <input checked="" type="radio"/> Manual <input type="radio"/> Auto
	Submitted by
	Note

- In **the JOB QUEUE**, click **IMPORT** to open the dialog and locate the file(s) and click **Open**.
- Enter relevant **Job Data** as needed, choose **Media** and specify **Quantity**. You can click on the previews to select/deselect and specify **Quantity** on each file separately!
- Choose Print on **One side** and **Nesting Yes** and click **OK** to start importing the file(s).
- When the status symbol turns Yellow, the jobs are fully imported into the Job Queue, but the file(s) are not ready yet!
- Click on the **EDIT** button, right+click or double-click to open the file in the Job Editor.
- In the Job Editor, go to the **Curves** tab and select the curve(s) you want and place them into the Media layer(s).



- When your files have been edited and turned green (Symbols), then click **SEND TO NESTING** to submit the selected files for nesting.
- Go to the **NESTING QUEUE** and expand the media you wish to nest. Click on the blue arrow to expand/collapse the media.

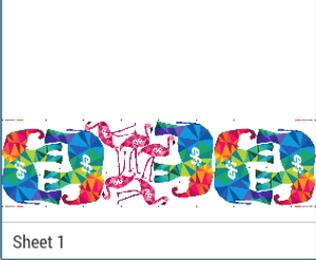


- When all the files are present on the media, then click **NEST** to start nesting!



- Click on **GENERATE** to get the output dialog, confirm settings and click **GENERATE**.

**GENERATE FILES**

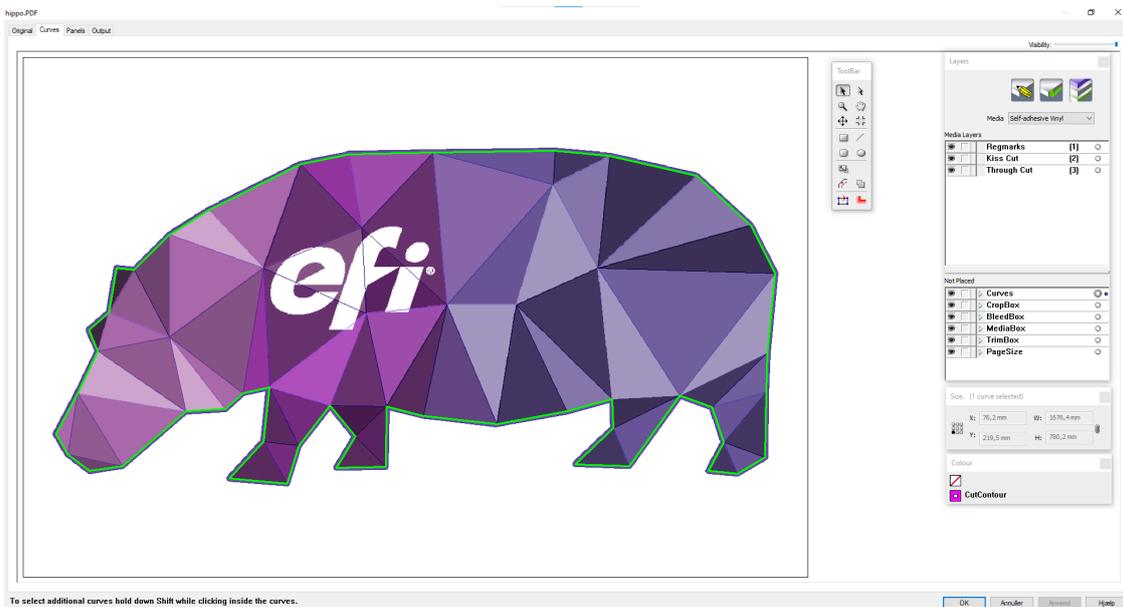
Selected 1 of 1	Output
	<p>File name: <input type="text" value="ZOO file.PDF"/></p> <p>Sheet Name: <input type="text" value="2500 mm x 701.9 mm"/></p> <p>Send print file to: <input type="text" value="My System"/></p> <p>Output Size:</p> <ul style="list-style-type: none"><li><input type="checkbox"/> 2500 mm x 701,9 mm</li><li><input type="checkbox"/> 2500 mm x 701,9 mm</li></ul>

- You have now generated a nested PDF print and cut file.

### 1.3 Prepare and tile a job into panels

FILE INFO		
Selected 1 of 1	Job Data	
 <p>hippo.PDF Pages: 1</p>	Automation	<input type="text"/>
	Customer	<input type="text"/>
	Order ID	<input type="text"/>
	Due date / time	<input type="text"/>
	Media	Self-adhesive Vinyl
	Quantity	1
	Print on	<input checked="" type="radio"/> One side <input type="radio"/> Double side
	Nesting	<input checked="" type="radio"/> No <input type="radio"/> Manual <input type="radio"/> Auto
	Submitted by	<input type="text"/>
	Note	<input type="text"/>

- In *the JOB QUEUE*, click **IMPORT** to open the dialog and locate the file and click **Open**.
- Enter relevant **Job Data** as needed, choose **Media** and specify **Quantity**.
- Choose Print on **One side** and **Nesting No** and click **OK** to start importing the file.
- When the status symbol turns Yellow, the job is fully imported into the Job Queue, but the file is not ready yet!
- Click on the **EDIT** button, right+click or double-click to open the file in the Job Editor.
- In the Job Editor, go to the Curves tab and select the curve you want and place it into the Media layer.



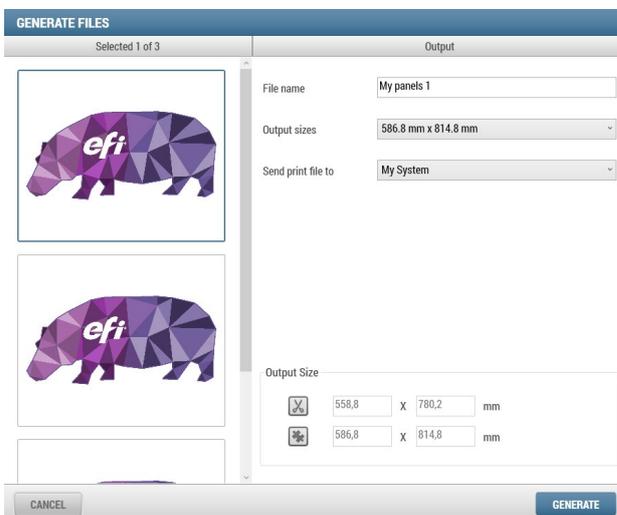
- Go to the Panels tab
- Click to split the panel manually and specify sizes or set the max. width/height to let the software automatically split the job for you.
- Specify Overlap, Gap, Over size (bleed) and Eyelet/Grommet marks as needed.



- Go to the **Output** tab to see each panel individually and to see register marks and barcodes or click **OK** to return the Job Queue.

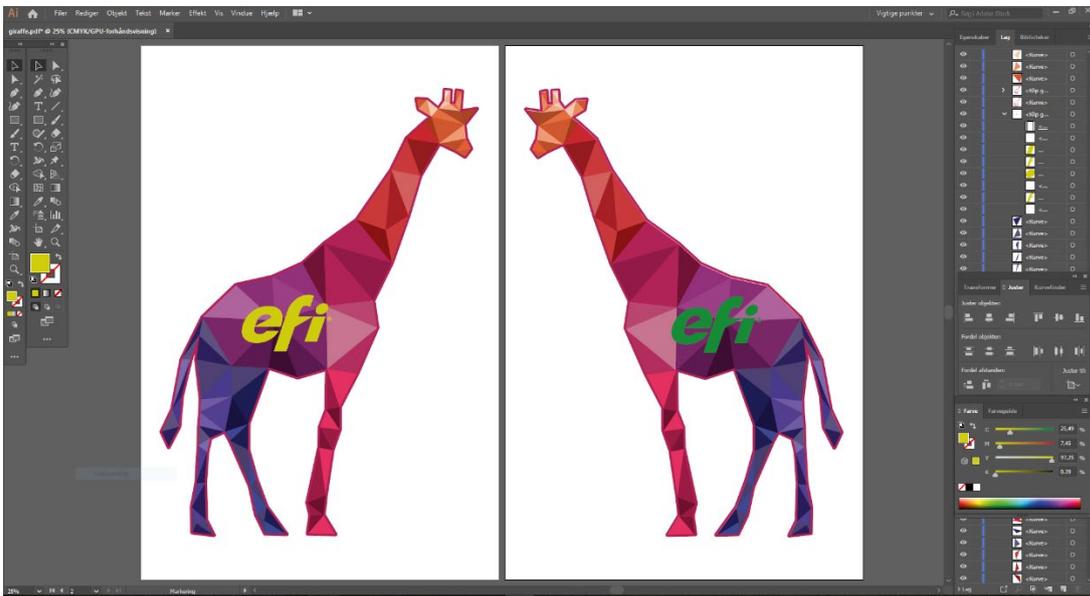
JOB QUEUE							
	File Name	Customer	Due date / time	Qty	Media	Submitted By	Panels
✓	rhino.PDF	California ZOO	12-01-2022 12:00	1	Alu-sandwich		1
!	horse.PDF			1	Acrylic		
✓	hippo.PDF			1	Self-adhesive Vinyl		3
!	giraffe.PDF			1	Acrylic		
!	gazelle.PDF			6	Alu-sandwich		

- From the Job Queue, you can see that your file now has two panels!
- Click on **GENERATE** to get the output dialog, confirm settings and click **GENERATE**.



You have now generated two PDF print files, one for each panel and two corresponding AI files for cutting!

## 1.4 Prepare, Import and Layout a job for double sided printing

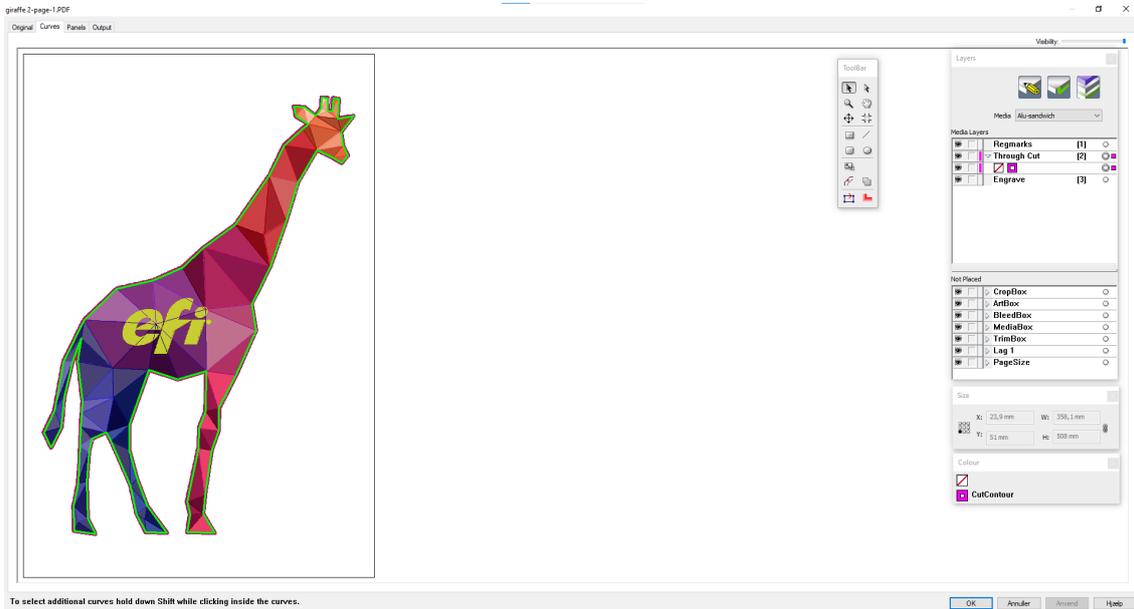


- In Illustrator create your 2-page design on two Art boards, center graphics and mirror.
- Save 2-page PDF

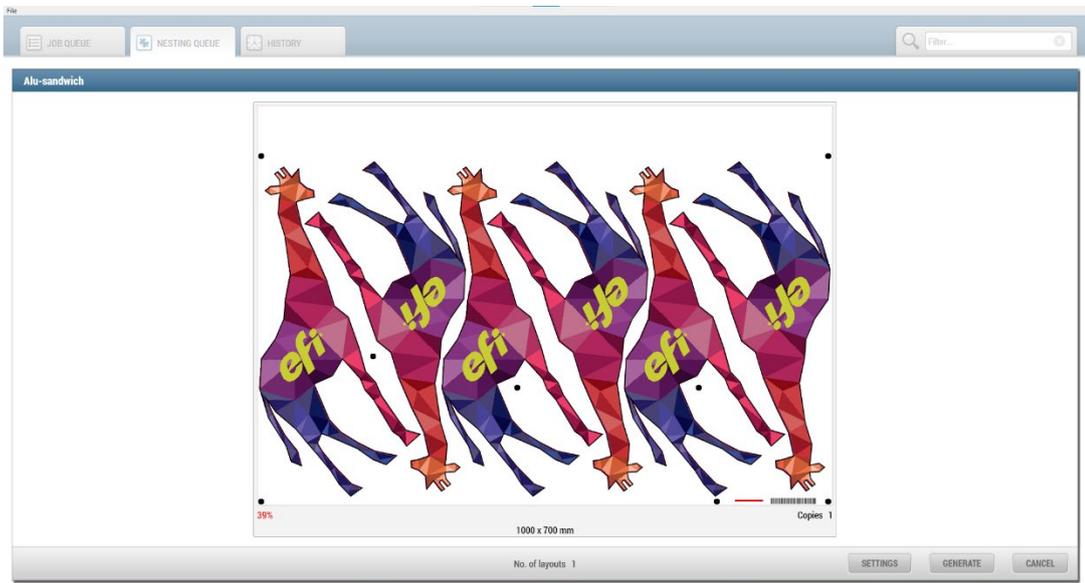
A screenshot of the 'IMPORT' dialog box in a printing software. The dialog is divided into two main sections: 'Selected 1 of 1' and 'Job Data'. In the 'Selected 1 of 1' section, there is a thumbnail of the giraffe graphic and a file name 'gji affe 2-page.pdf'. A red circle highlights the text 'Pages: 2' next to the thumbnail. In the 'Job Data' section, there are several fields and options: 'Automation' (dropdown), 'Customer' (text field), 'Order ID' (text field), 'Due date / time' (calendar icon), 'Media' (dropdown menu showing 'Alu-sandwich'), 'Quantity' (text field with '10'), 'Print on' (radio buttons for 'One side', 'Double side', and 'Auto', with 'Double side' selected and circled in red), 'Nesting' (radio buttons for 'No', 'Manual', and 'Auto', with 'Manual' selected), 'Submitted by' (text field), and 'Note' (text field). At the bottom, there are 'CANCEL' and 'OK' buttons. A green square icon with a white document symbol is located to the right of the dialog box.

- In *the JOB QUEUE*, click **IMPORT** to open the dialog and locate the 2-page PDF file and click **Open**.
- Enter relevant *Job Data* as needed, choose *Media* and specify *Quantity*.
- Choose Print on **Double side** and **Nesting** and click **OK** to start importing the file.

- When the status symbol turns Yellow, the job is fully imported into the Job Queue, but the file is not ready yet!
- Click on the **EDIT** button, right-click or double-click to open the file in the Job Editor.
- In the Job Editor, go to the **Curves** tab and select the curve you want and place it into the Media layer.



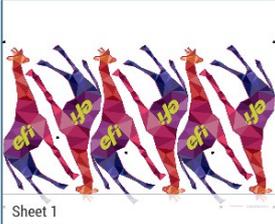
- Click **OK** to return to the Job Queue.
- **SEND TO NESTING** and create layout



- Click on **GENERATE** to get the output dialog, confirm settings and select sheet size from the dropdown dialog.
- Click **GENERATE**.

**GENERATE FILES**

Selected 1 of 1      Output



Sheet 1

File name: giraffe 2-page-1.PDF

Sheet Name:

Send print file to: My System

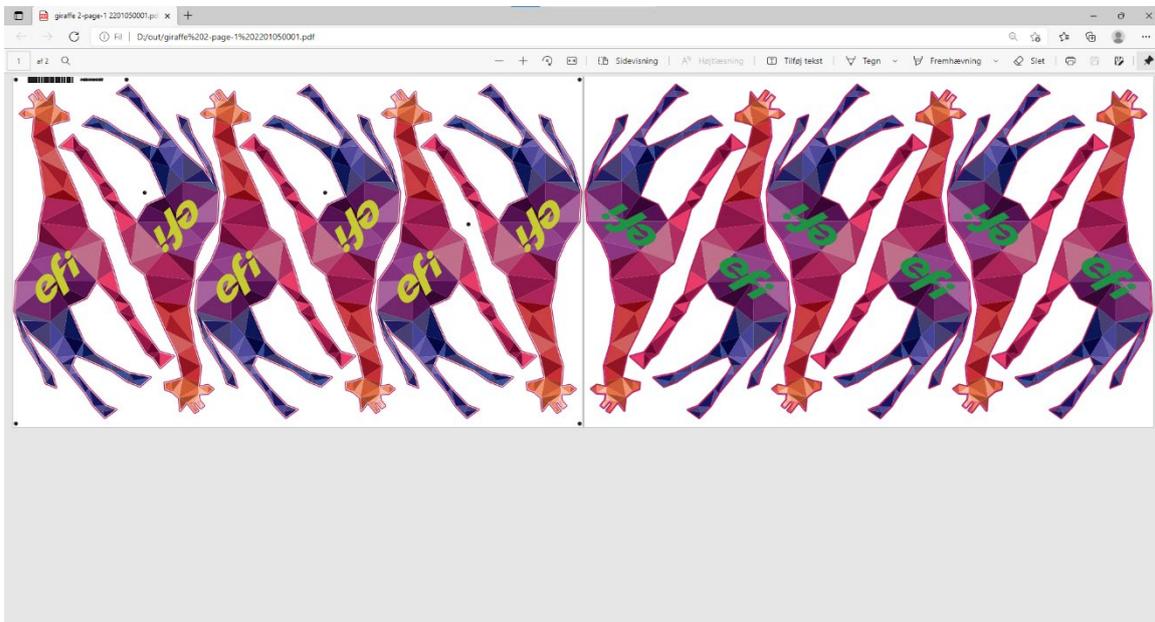
Output Size

1000 mm x 618,2 mm

1000 mm x 618,2 mm

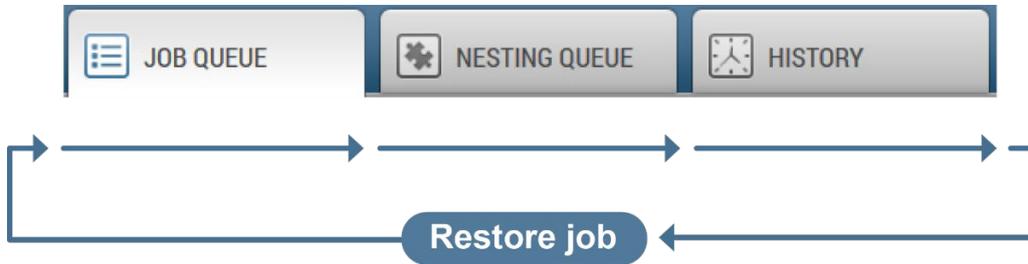
- You have now generated a 2-page PDF print, one for each side of the substrate as well as a corresponding cut file.



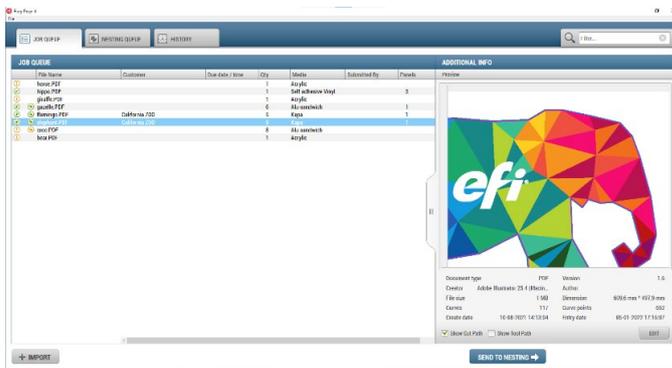
- Output file opened in Acrobat Reader, shows the 2-page print ready PDF file generated.

## 2 Description of the Queues

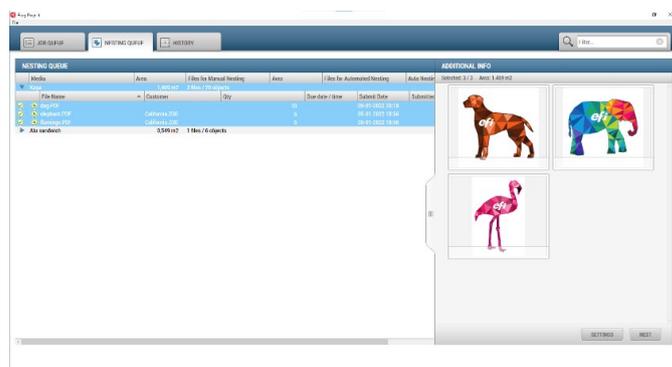
Fiery Prep-it software includes four Queues that are visible to all clients / users connected to the Fiery Prep-it Server within the workflow group. Each intuitive Queue guides the user through the preparation steps from *file import* to *editing* to *nesting* to *outputting print and cut ready files*.



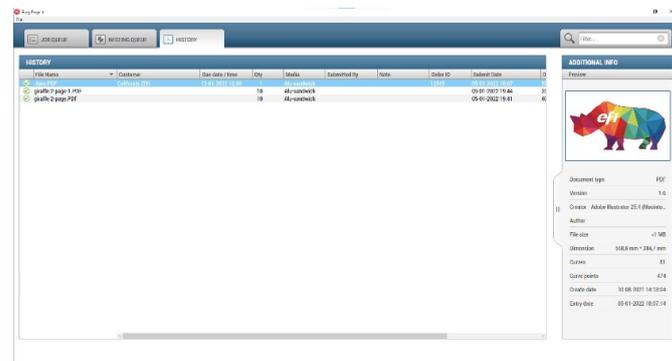
The workflow steps are as the arrows above show from left to right. Files are imported into the system in the Job Queue, then processed through the Nesting Queue, then finished and saved into History Queue. Files can easily be Restored again from the History Queue into the Job Queue.



JOB QUEUE



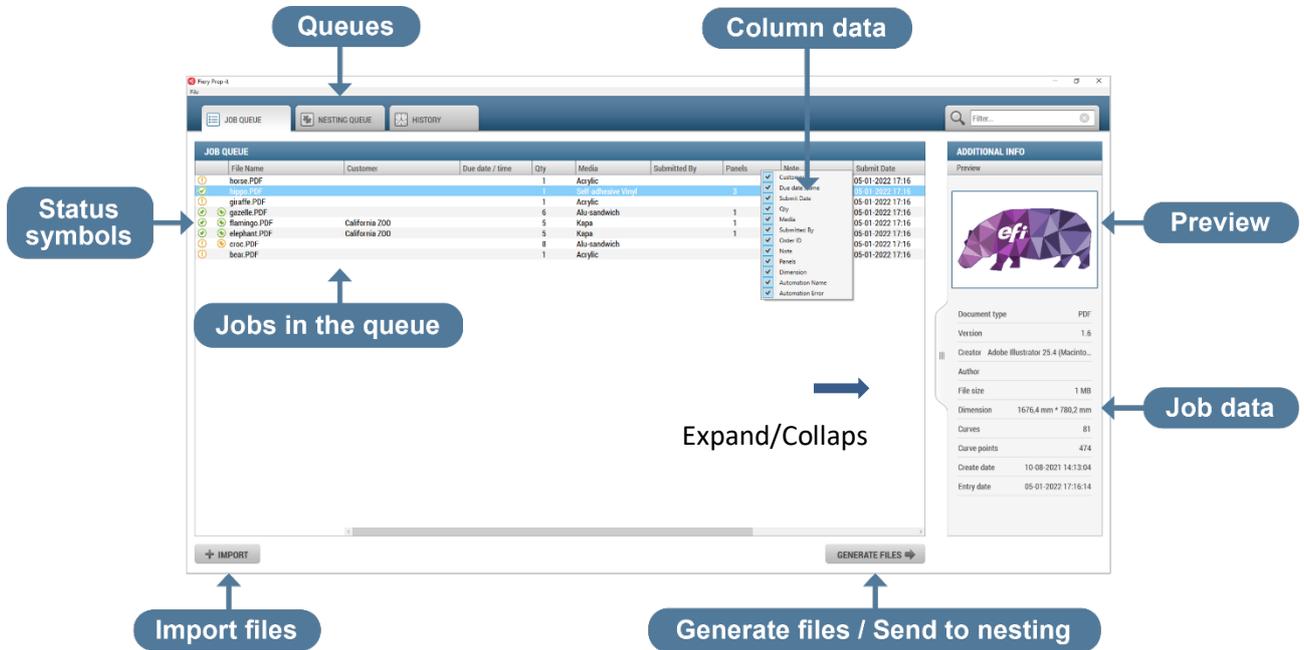
NESTING QUEUE



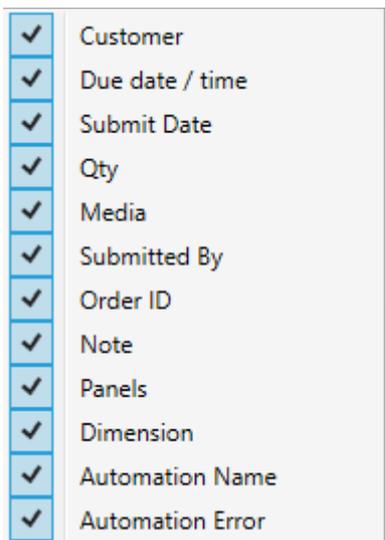
HISTORY

## 2.1 General functionality on all Queues

### Overview of the Queue structures



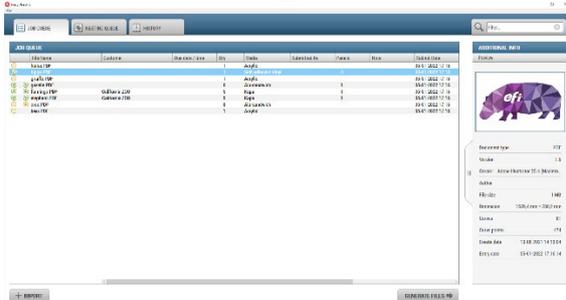
Each Queue can be setup and customized to display the relevant settings in the order and in the way that the user prefers. Column width, column order, column data can be adjusted for each Queue.



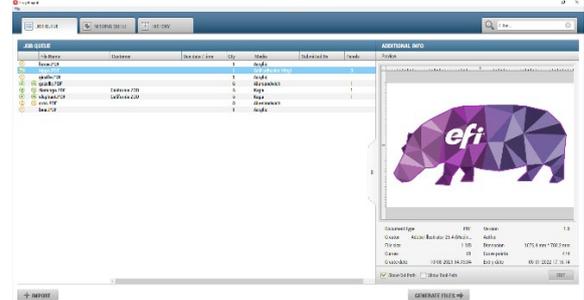
Right-click to edit which columns to be shown in the queues.

Each Queue previews a job and lists some additional Job/meta data about the file. You can choose between collapsed and Expanded view. Note that there are generally more information and more functions available in expanded view!

### Collapsed view



### Expanded view



Click to Expand

ADDITIONAL INFO

Preview

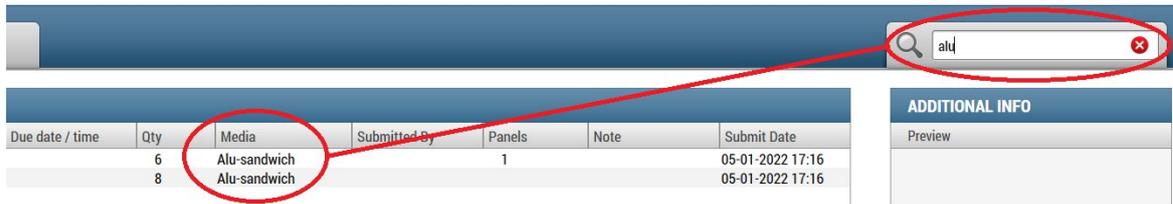


Document type	PDF
Version	1.6
Creator	Adobe Illustrator 25.4 (Macinto...
Author	
File size	1 MB
Dimension	609,6 mm * 406,4 mm
Curves	91
Curve points	533
Create date	10-08-2021 14:13:02
Entry date	05-01-2022 17:16:02

Preview in collapsed mode.

Specific Job / meta data.

A **Filter and Search** field helps locating and viewing jobs.  
 You can search on any word and number across all Queues at once, so locating of jobs is easy.

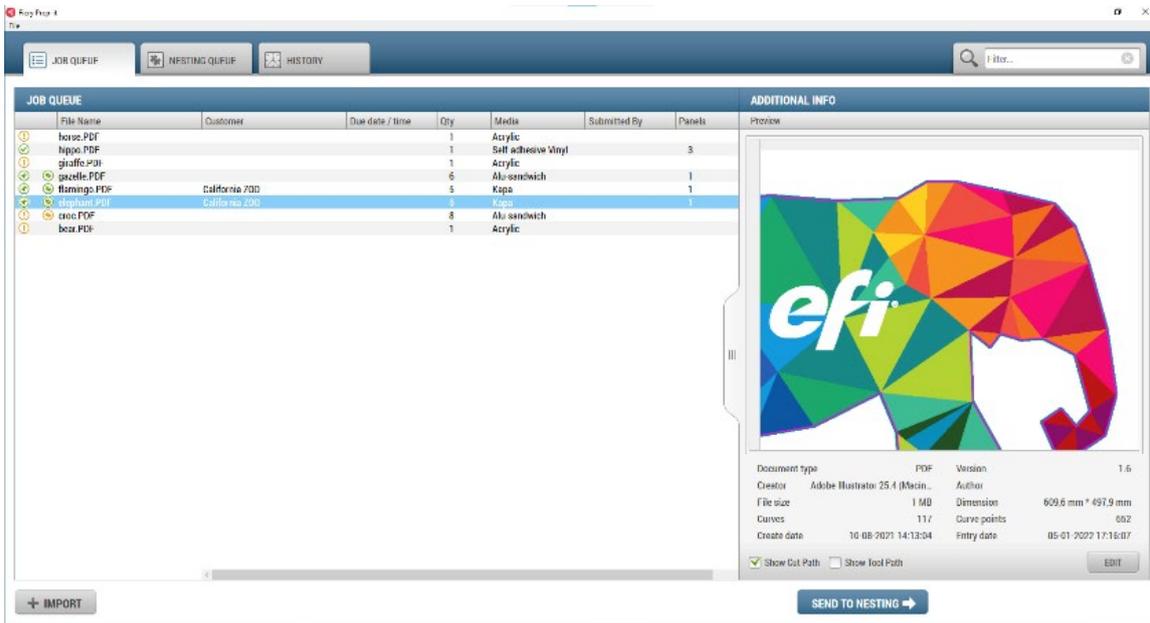


The following **status symbols** in front of each job advises the user on which stage the job is in the preparation process. These are the possible symbols:

	Job is being imported
	Job is ready to process
	Job is double sided
	Job will be nested
	Job is pinned and ready to process
	Job is not ready – possibly missing to select cut path and/or media
	Job is double sided, but not ready
	Job will be nested, but not ready
	Job is pinned and not ready to process
	Job is ready, but locked and in use by another client
	Job is in error

## 2.2 JOB QUEUE

The Job Queue list and preview all active jobs currently being prepared or waiting to be prepared.



What do you do in the Job Queue:

1. Import new files
2. Sort on any column data
3. View jobs in queue – see with and without cut path and tool path
4. Prepare the jobs that are in the queue
5. Edit jobs by opening one job at a time in the Job Editor
6. Generate output and/or Send to Nesting

### 2.2.1 Import dialog, appears at every file import

FILE INFO	
Selected 2 of 2	Job Data
 <p>elephant.PDF Pages: 1</p>	Automation <input type="text"/>
 <p>flamingo.PDF Pages: 1</p>	Customer <input type="text" value="California ZOO"/>
	Order ID <input type="text" value="12345"/>
	Due date / time <input type="text" value="x"/>
	Media <input type="text" value="Kapa"/>
	Quantity <input type="text" value="5"/>
	Print on <input checked="" type="radio"/> One side <input type="radio"/> Double side
	Nesting <input type="radio"/> No <input checked="" type="radio"/> Manual <input type="radio"/> Auto
	Submitted by <input type="text"/>
	Note <input type="text"/>
<div style="display: flex; justify-content: space-between;"> <span>CANCEL</span> <span>OK</span> </div>	

Formats that can be imported: PDF, PNG, JPG, BMP, GIF and TIF.

At this early stage of submitting the job for printing and cutting, you get a chance to enter Customer Name, Order ID and Due date/Time fields, or you can leave them blank. If filled, you will have the possibility to sort the Queues on the entered data as well as plan cut order etc. based on this information.

Acrylic
Acrylic
Aluminium
Alu-sandwich
Carton
Corrugated
Foam PVC
Honeycomb
<b>Kapa</b>
MDF
Paper
Self-adhesive Vinyl
Textile

You can specify which media to print/cut the job on already at time of import and you can specify the quantity.

Make selection of Print on *One side* or *Double Side*. Select *Double side* when you import a 2-page PDF that is designed for printing on both sides of the substrate. In all other situations, select *One side*.

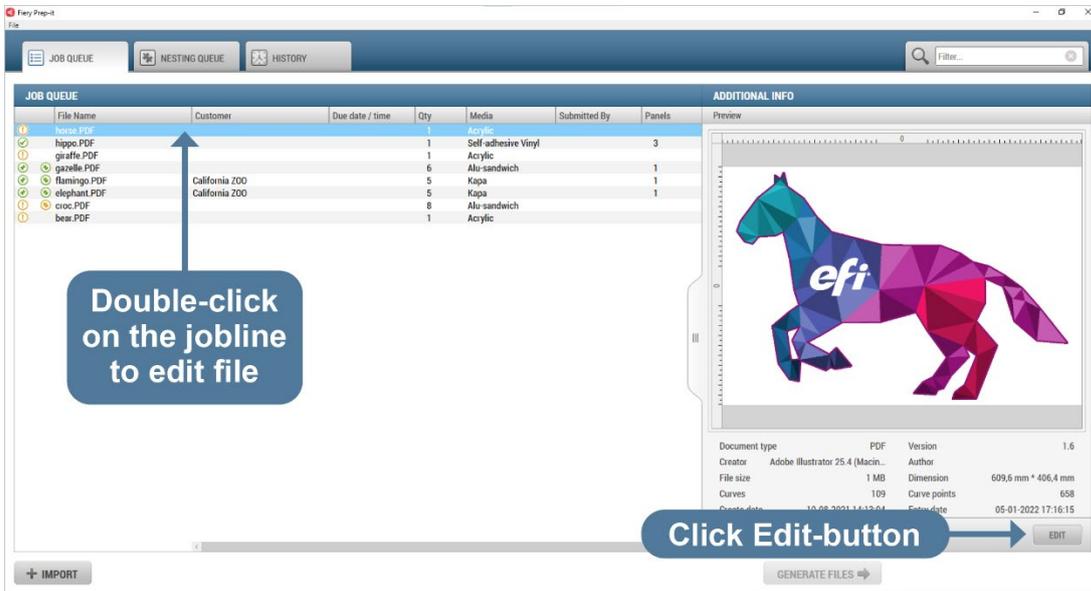
*Submitted by* is filled automatically with the user name defined in the *Preferences* dialog. Enter your own name or computer name to identify yourself in the Queues. The name will appear in the Queues to keep track of who submitted which jobs!

Use the *Note* field when you want to pass information or guidance on to the person that does nesting e.g. if multiple users operate multiple clients in the printshop.

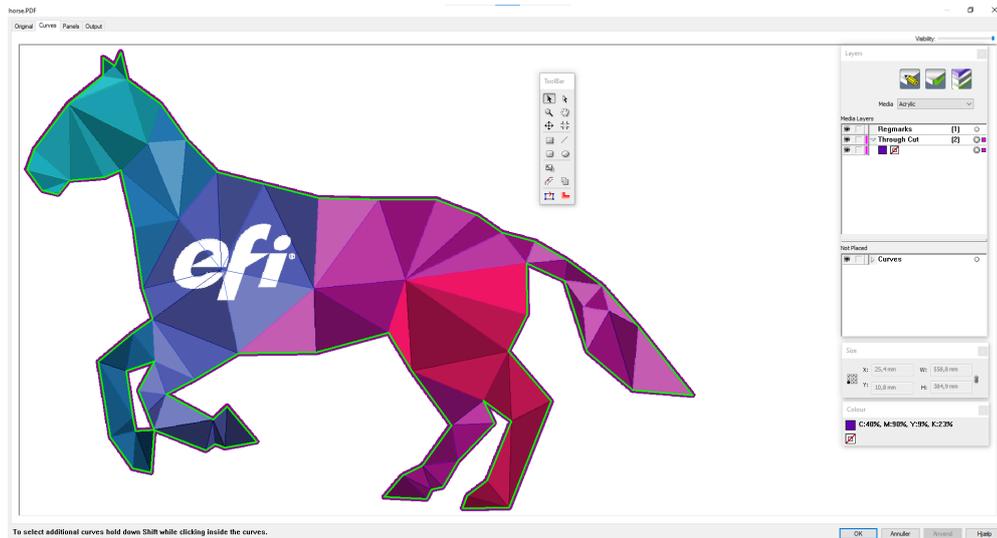
*Automation* dropdown menu is used when a preset action / automation have been setup on the Fiery Prep-it Server. The automation applies to the files being imported. Refer to chapter 7 within this manual for further explanation.

## 2.2.2 Prepare job in Job Editor

You open jobs for editing in to the Job Editor whenever the status line is yellow.



You select Cut path by clicking on it and move to Media layer, then click OK to exit the Job Editor.



You can also scale, tile, point edit, crop, setting bleed etc. in the Job Editor.

Your job line in the Job Queue is now green and the file is ready for output.



### 2.2.3 Generating files from Job Queue

You can generate single file outputs (Print and Cut files for a single job) from the Job Queue by clicking on **GENERATE** – button.

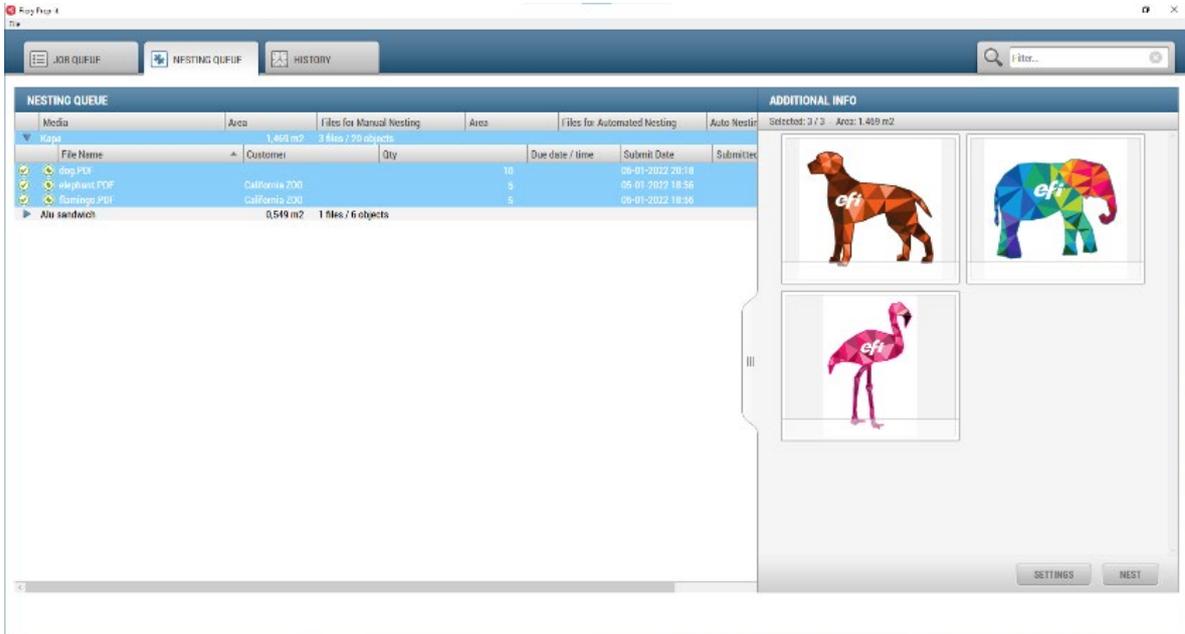
#### GENERATE FILES

Selected 1 of 2	Output
	File name: <input type="text" value="bear"/>
	Output sizes: <input type="text" value="565.6 mm x 405.1 mm"/>
	Send print file to: <input type="text" value="My System"/>
	Output Size: <input type="text" value="563,0"/> X <input type="text" value="367,5"/> mm <input type="text" value="565,6"/> X <input type="text" value="405,1"/> mm

This dialog appears. The user can **Generate** one or more file at the same time. You can specify the File name and select output folder. When you click GENERATE-button print and cut files are then created.

## 2.3 NESTING QUEUE

The Nesting Queue list and preview all jobs currently waiting to be nested. Jobs are sorted on Media. From the queue, you see only media that has files on them meaning the active media in use. You see the square meter usage and the number of files and the number of objects currently placed on each media.



What do you do in the Nesting Queue:

1. Create layouts – nest jobs individually and/or mix with others
2. Control and restrict nesting based on angles, quantity, margin, distance between objects etc.
3. Handle possible remnant areas on sheets
4. Sort on any column data
5. View individual jobs in queue – see with and without cut path and tool path
6. Generate output

### 2.3.1 How does the Nesting Queue work

Jobs are sorted on medias – medias are only shown when jobs are waiting to be nested. You can choose to begin nesting in several ways:

1. Nest by clicking on the Media line within the Queue – will nest all jobs on a media to the default sheet size (preset in the media manager)

NESTING QUEUE					
Media	Area	Files for Manual Nesting	Area	Files for Automated Nesting	
▶ Alu-sandwich	0,549 m2	1 files / 6 objects			
▼ Kapa	1,469 m2	3 files / 20 objects			
File Name	Customer	Qty	Due date / time	Submit Date	
✔ dog.PDF			10	05-01-2022 20:18	
✔ elephant.PDF	California ZOO		5	05-01-2022 18:56	
✔ flamingo.PDF	California ZOO		5	05-01-2022 18:56	
▶ Self-adhesive Vinyl	10,403 m2	1 files / 200 objects			

2. Select one or more jobs on a media – righthand click to see menu and NEST will nest selected to default sheet size.

NESTING QUEUE					
Media	Area	Files for Manual Nesting	Area	Files for Automated Nesting	
▶ Alu-sandwich	0,549 m2	1 files / 6 objects			
▼ Kapa	1,469 m2	3 files / 20 objects			
File Name	Customer	Qty	Due date / time	Submit Date	
✔ dog.PDF			10	05-01-2022 20:18	
✔ elephant.PDF	California ZOO		5	05-01-2022 18:56	
✔ flamingo.PDF	California ZOO		5	05-01-2022 18:56	
▶ Self-adhesive Vinyl	10,403 m2	1 files / 200 ob			

Set Job Info    Ctrl+I  
 Nest            Ctrl+U  
 Settings        Ctrl+S  
 Delete           Delete

3. Select jobs – righthand click or click on SETTINGS button (Expanded view) to select sheet size and alter all nesting parameters.



### SHEET INFO

Sheet

2500 x 1250 mm Width  mm Margin  mm

Height  mm Distance  mm

---

Regmarks

Auto Mark Diameter  mm

Distance between registermarks  mm

---

Barcode

Width  mm Left  Right

Height  mm Top  Bottom  Auto Position

---

Group By

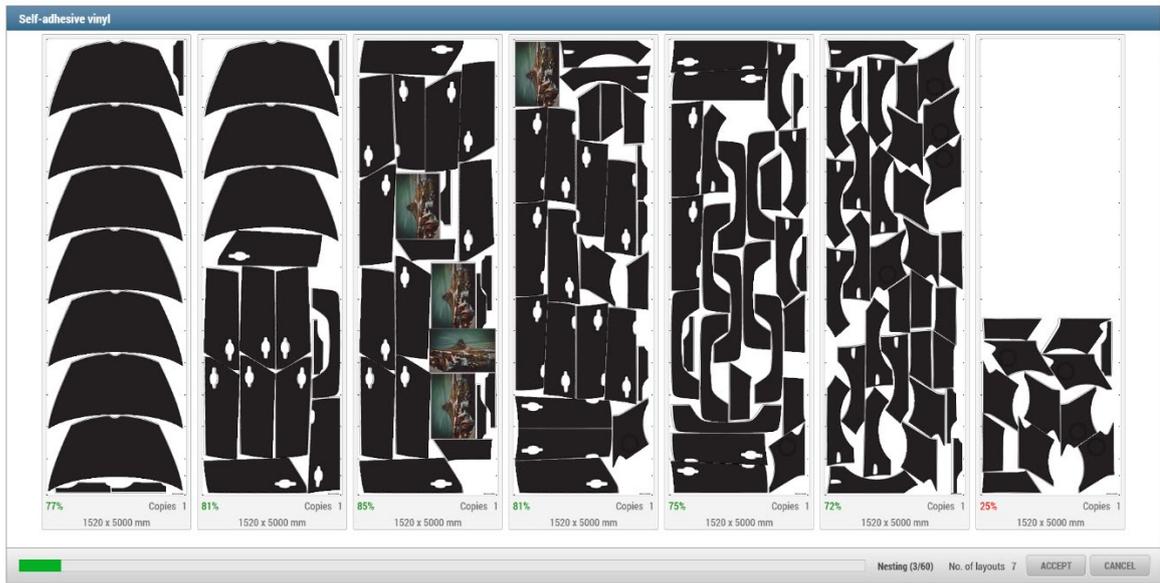
No Groups Distance between Groups  mm

Show Line between Groups

The nesting works on time – meaning more time for calculations improves the layout. Each media can be preset on how long nesting time is allowed until it stops. The user can stop the nesting at any time and accept the layout as is without going till the end (= the preset time allowed).



Example of nesting over time – material utilization improves...



Result after 3 seconds



14 seconds

47 seconds

60 seconds – the final nesting results setup on this media.

### 2.3.2 Control and restrict nesting layout

When you wish to control the nesting layout, you have the following tools available in the Nesting

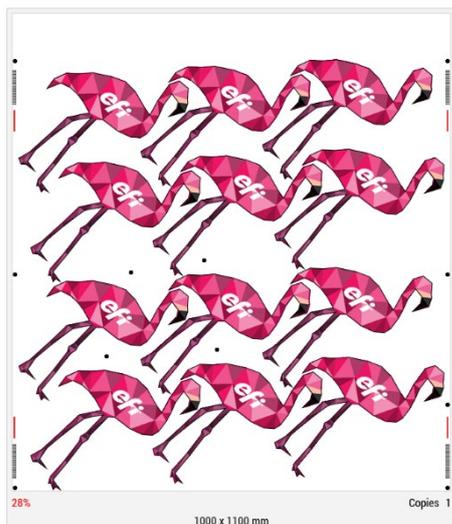
#### SET JOB INFO

Right+click on the job line(s) that you wish to edit

Selected 1 of 1	Job Data
 <p>flamingo.PDF Pages: 1</p>	<p>Quantity: <input type="text" value="5"/></p> <p>Customer: <input type="text" value="California ZOO"/></p> <p>Order ID: <input type="text" value="12345"/></p> <p>Nesting: <input checked="" type="radio"/> Manual <input type="radio"/> Auto</p> <p>Submitted by: <input type="text"/></p> <p>Note: <input type="text"/></p> <p><input type="checkbox"/> OPTIMIZED - ALL ANGLES</p> 

#### SET ROTATION

Right+click on the job line(s) that you wish to edit and click **SET ROTATION** to open this dialog.

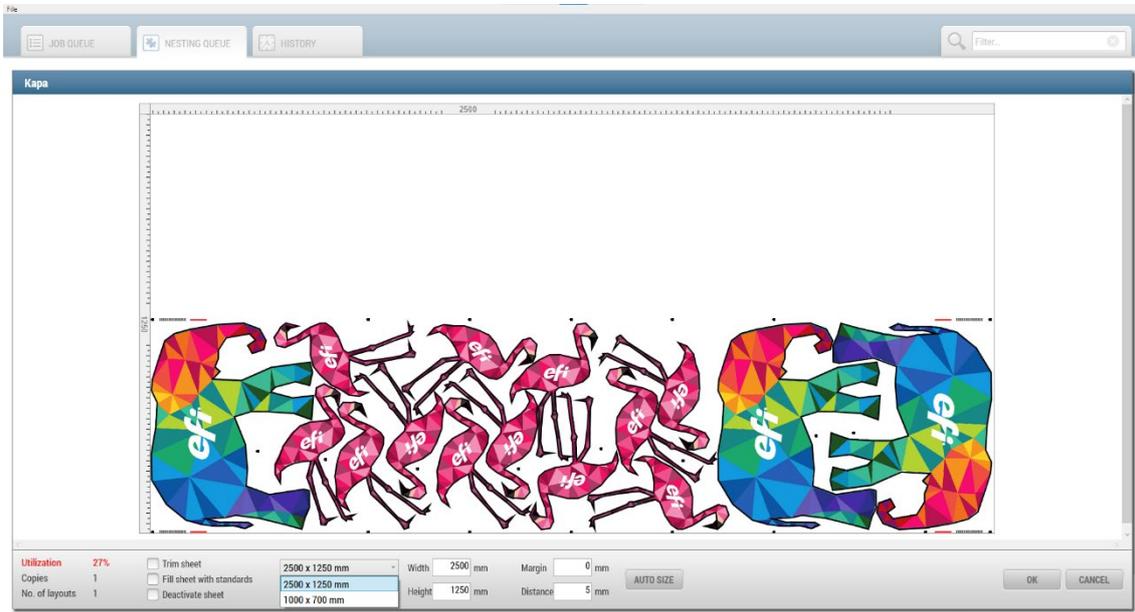


When you click on optimized, it means that you allow rotation in all possible angles.

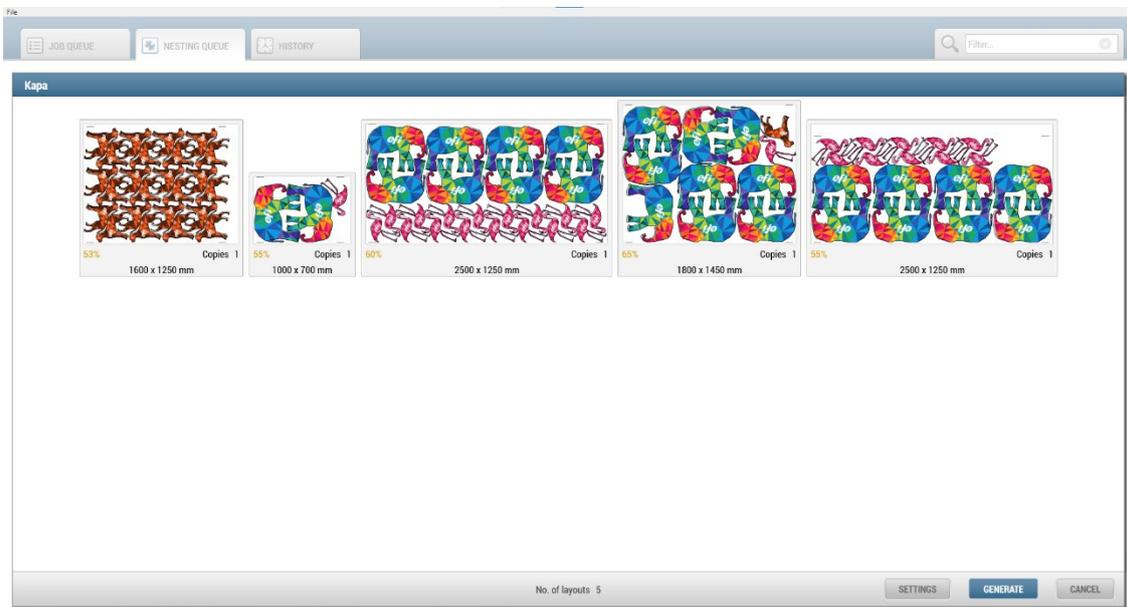
When you unclick optimized, you get to specify the angles you want to use in your nesting layout. Simply click the angles on in the dialog.

### EDIT SIZE

Click on the layout and choose another size from media library or enter custom sizes.

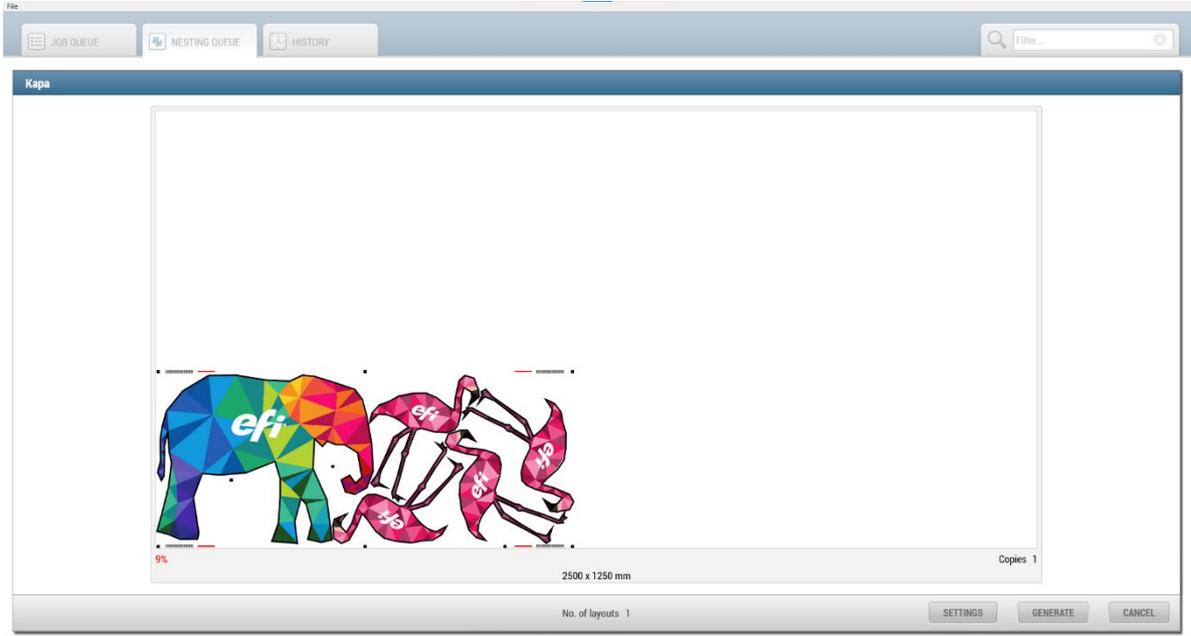


You can enter multiple different sizes and layout together



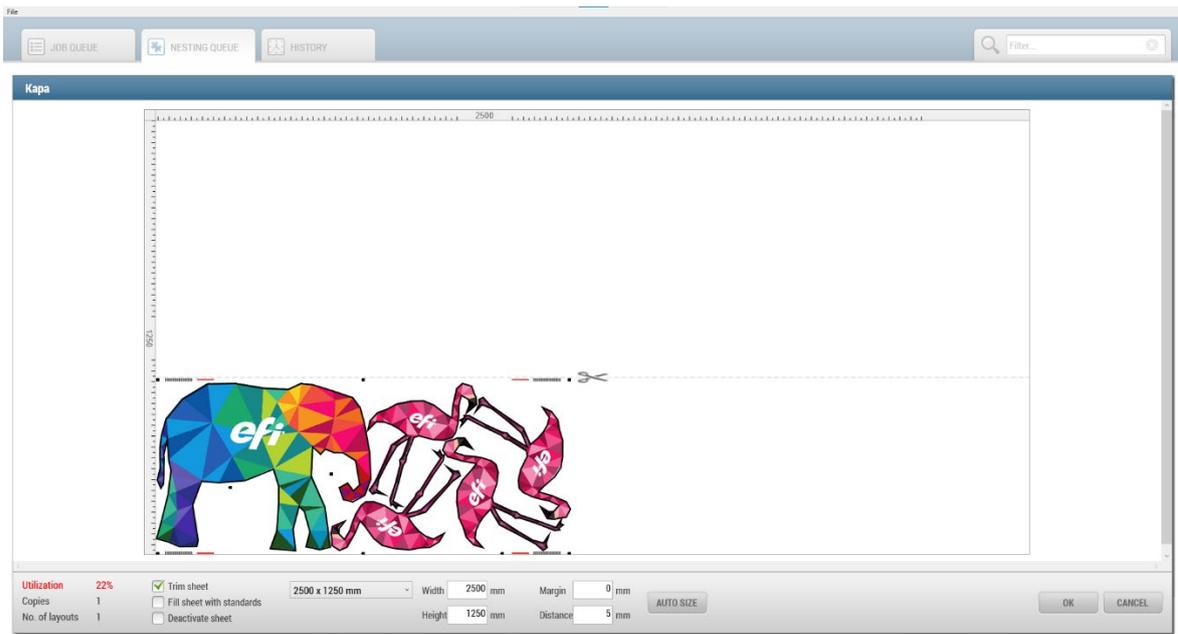
### 2.3.3 Handle the remnant area

Not always will sheets be nested to its maximum size, why Fiery Prep-it includes several strategies for how to utilize the media best way, also when it comes the remnant area. The part of the sheet that is left over unused.

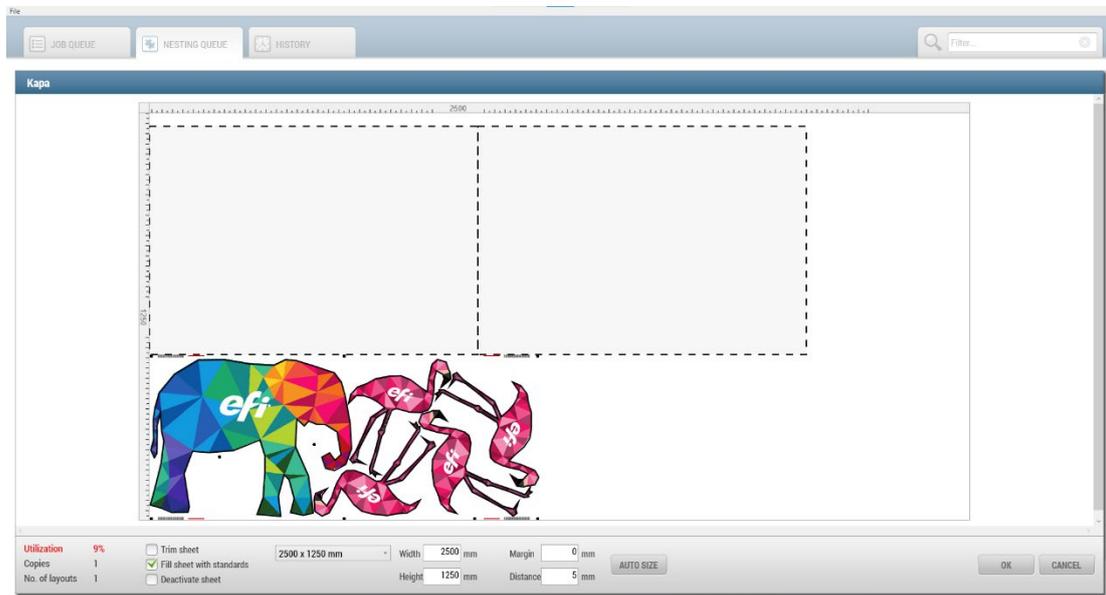


Four different options are available.

**Trim sheet** means to add a cut line across the remaining sheet to leave a re-useable piece for later use. A cut line will be included in the cut file being generated for the cutting table.



**Fill sheet with standards** is used to automatically place smaller sheet formats onto the remnant area when space is available.

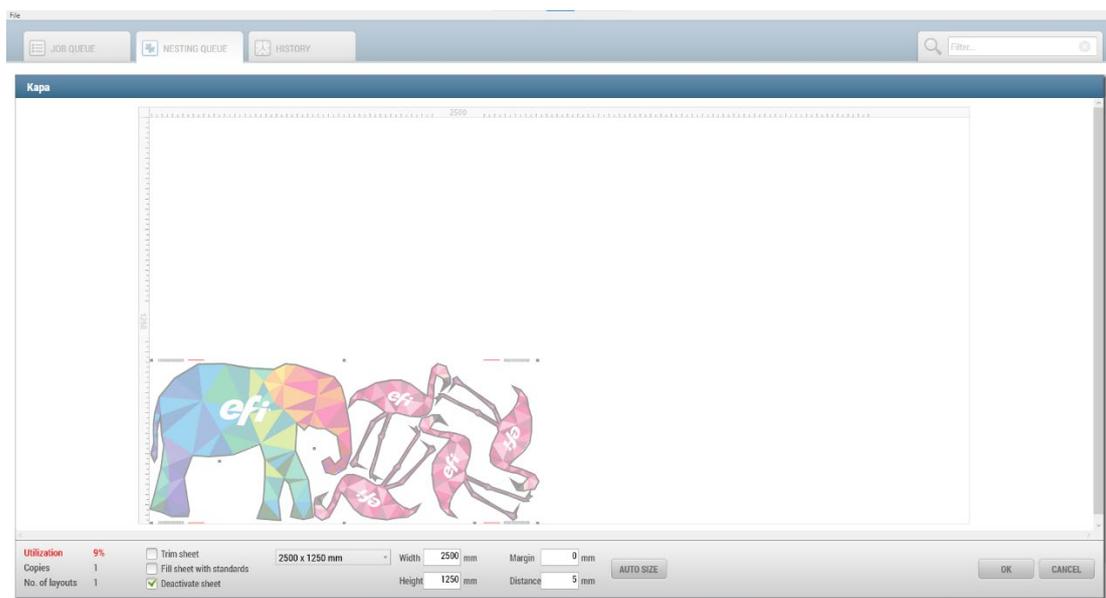


**Note!**

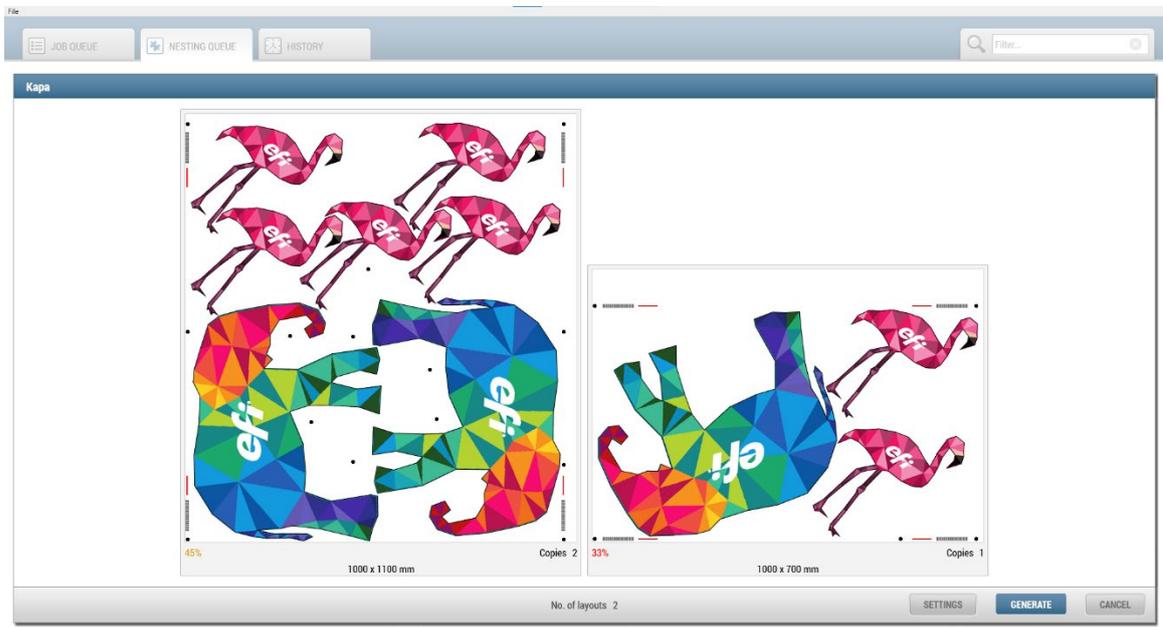
The “standards” are predefined sheet dimensions specified in the Media Manager.

This feature could be used to trim large sheets down to smaller ‘customer standard’ formats that is e.g. used for printing edge-to-edge or into sizes that fits a printers vacuum zones!  
The standards will not be part of the print file, but only the cut file, so they can be cut out with the printed objects at the same time.

**Deactivate sheet** means that the sheet will hold jobs so they will not be output when clicking **Generate**. The remaining objects will stay in the Nesting Queue and await being nested with the next coming jobs.



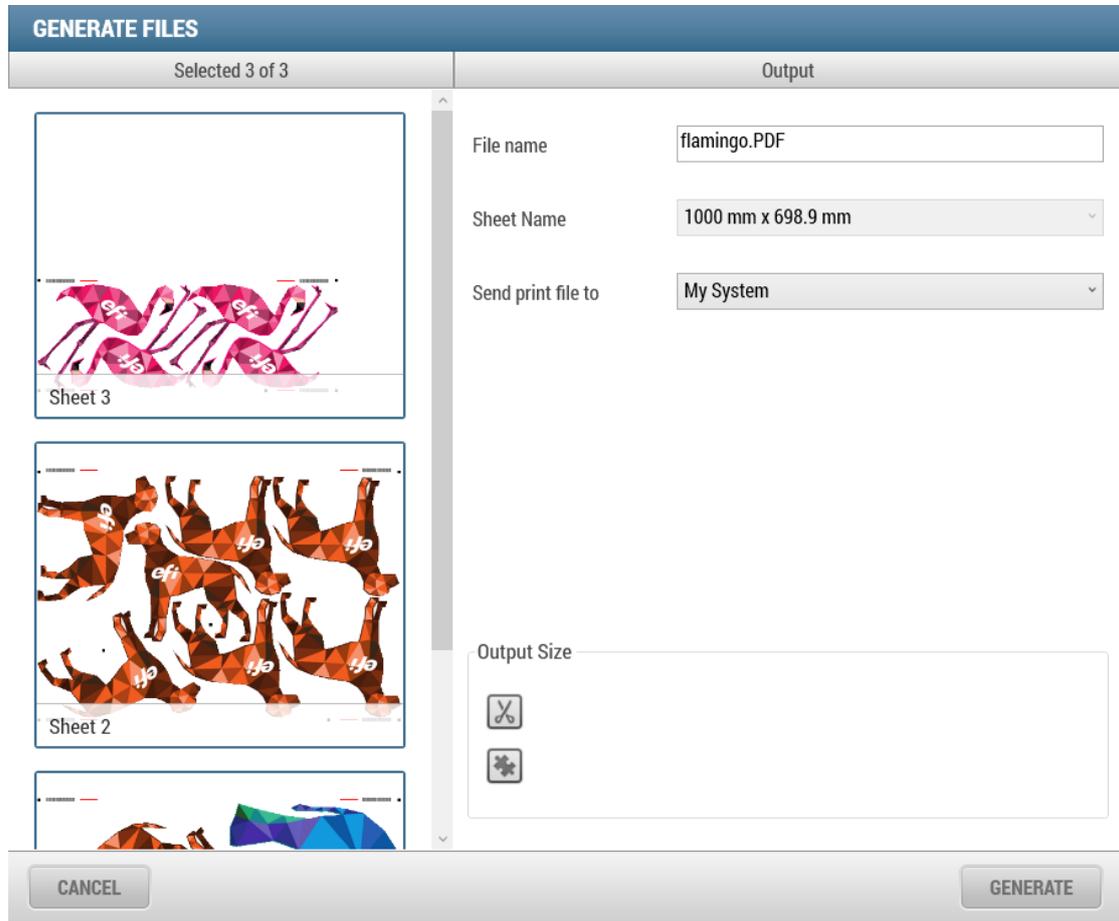
***Auto size last sheet*** means to use whatever possible smallest sheet size available within the media profile as the last sheet in a nesting sequence.



So when nesting objects on to several sheets, then ***Auto size last sheet*** will automatically create a nesting layout for the most optimal sheet size as the last layout!

### 2.3.4 Generating files from the Nesting Queue

When you are satisfied with the nesting layout(s) you can click GENERATE to output print and cut files.



You can write own file names to each of the layouts. Click to the preview to select each layout individually.

Choose output destination and click **Generate** to create print and cut files.

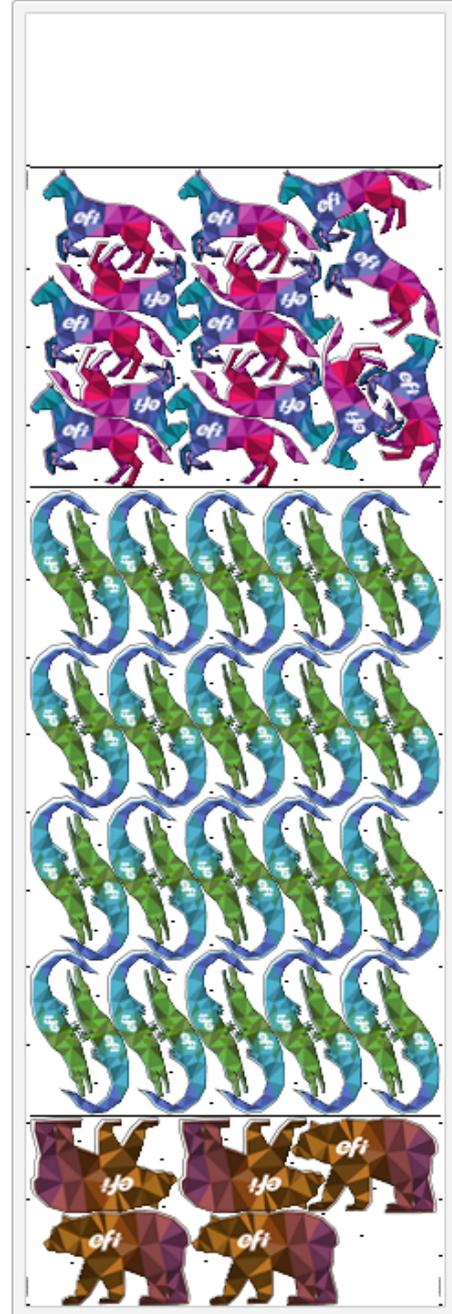
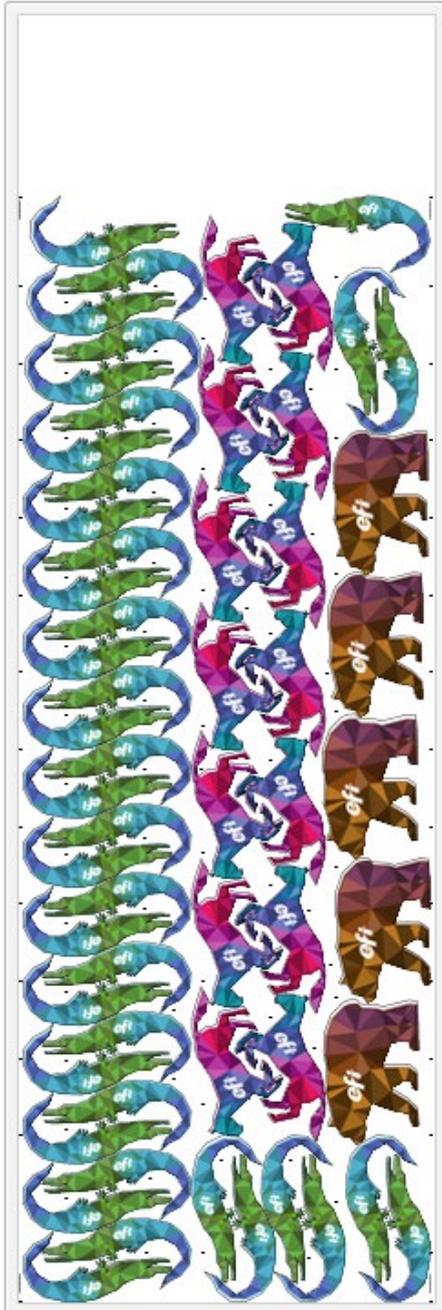
### 2.3.5 Grouping of jobs when nesting

It is possible to group certain files / jobs together on a sheet of material when creating the print and cut layout. This option is likely to reduce the overall material utilization a bit, however with the benefit of keeping a good organization of files placed onto the substrate when mixing jobs.

Ungrouped output

vs.

Grouped output



Grouping can be setup by default on the media or it can be selected manually in the Nesting Queue when creating layouts.

**SHEET INFO**

Sheet

Custom Width 1370 mm Margin 12 mm  
Height 5000 mm Distance 2 mm

Regmarks

Auto Mark Diameter 7 mm  
Distance between registermarks 350 mm

Barcode

Width 120 mm Left  Right   
Height 12 mm Top  Bottom  Auto Position

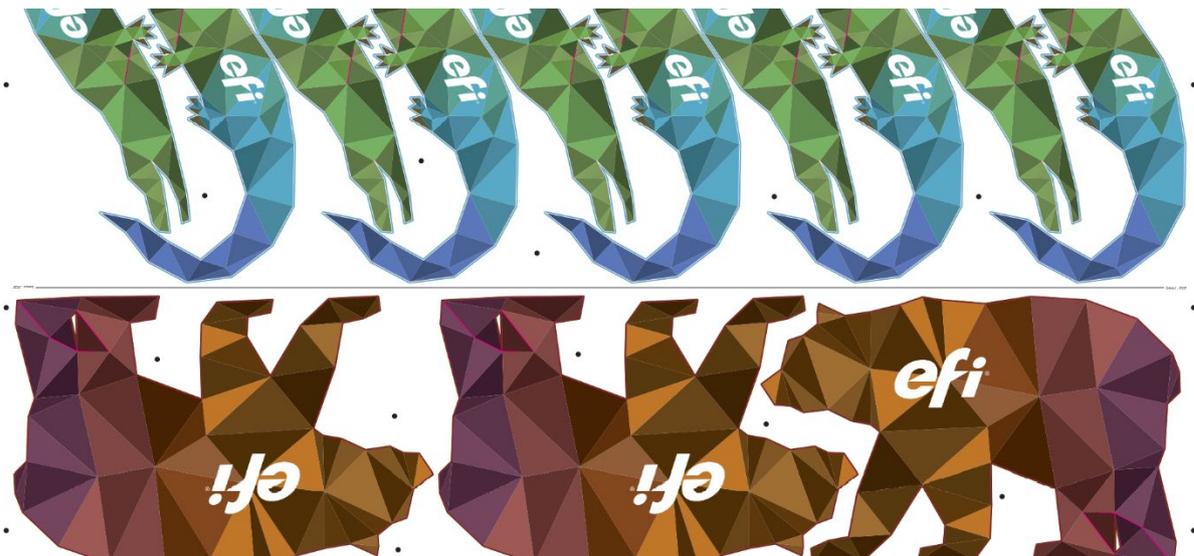
Group By

File Name Distance between Groups 20 mm  
Show line between Groups

CANCEL NEST

File Name  
No Groups  
File Name  
Customer  
Submitted By  
Note  
Order Id

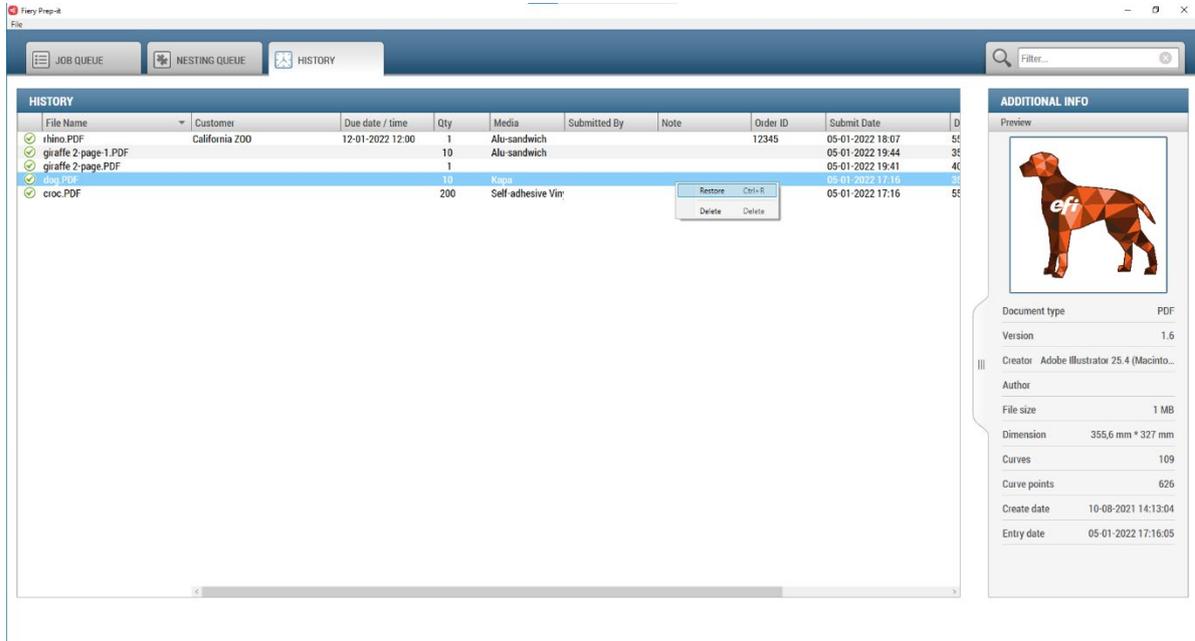
When creating the group output file, you can choose to include a print separation line with 'group by text' for easy identification when kitting parts after the cutting process.



Example of grouped output

## 2.4 HISTORY QUEUE

The History Queue list and preview all originally imported job files. When you Generate output from Job Queue and Nesting Queue the original job will be stored in the History Queue. All deleted files from the Job will also appear in the History Queue.



What can you do in the History Queue:

1. Find and restore previously produced original jobs (not nesting layouts)
2. Sort on any column data
3. Manually delete jobs permanently

### 2.4.1 Restore jobs

You can easily restore jobs from the History Queue. Original jobs will be placed back in to the Job Queue and Cut jobs to the Cut Queue.

Right+click and **RESTORE** to send one or more jobs back.

### 2.4.2 Delete jobs

You can delete one or more jobs permanently with right+click **DELETE** directly from the History Queue.

Note! Your print and cut files will still be kept under the file structure even after being deleted from the History Queue. The job line only disappears from Fiery Prep-it.

## 3 Media Management

Fiery Prep-it is connected to the Media Manager which is where media parameters are specified and saved.

### 3.1 The purpose of the Media

Each print and cut file must be generated on basis of certain settings and strategies – these default parameters are all saved within the media profile. This centralized and easily accessible Media library structure is a core part of the entire software and workflow. Media settings are used when preparing print files, when nesting and when generating cut files.

Each media profile in the software contains parameters with regards to prepress settings as well as cut settings. A media consist of a number of layers, e.g. a camera layer and a cut layer. Often media will have more layers depending on the cutting tasks. If you wish to register, crease and cut, three layers are required.

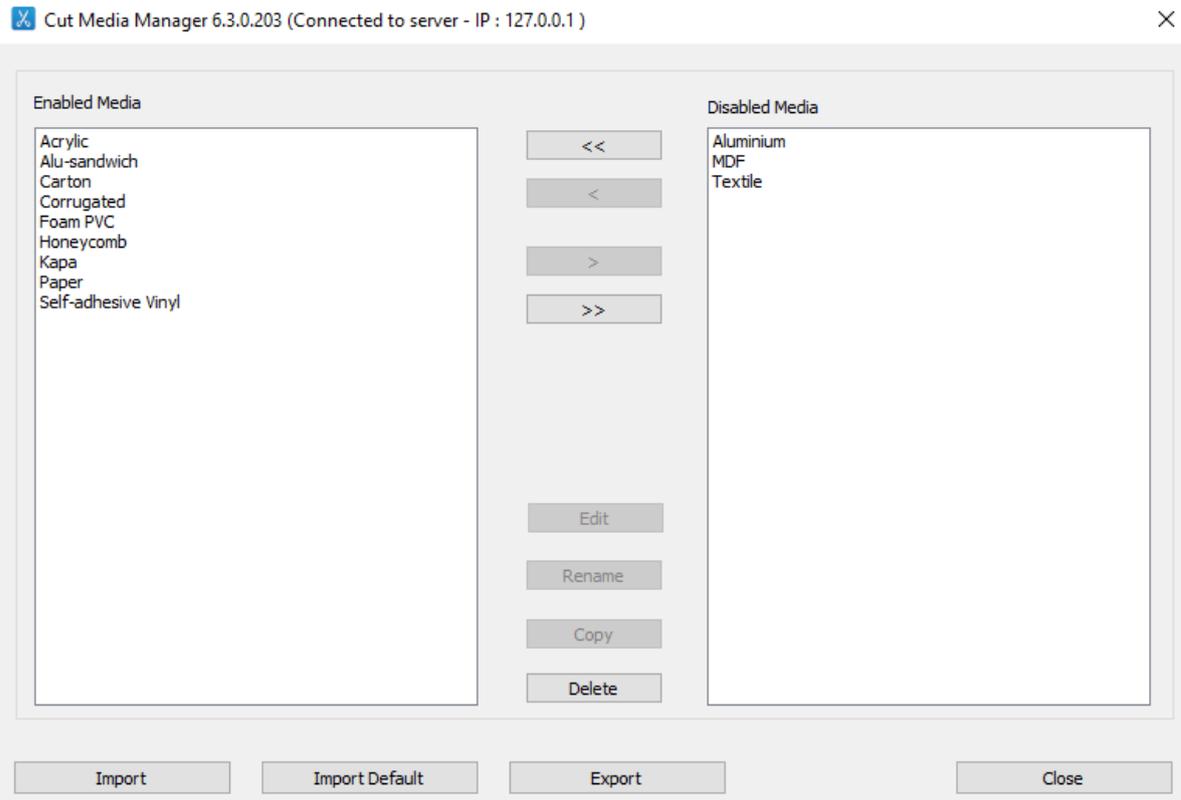
### 3.2 The Media Library is your knowledge base

The Media library is considered a database. Fiery Prep-it software comes with a default media library. A library of most common materials used in the wide format graphic business industry.

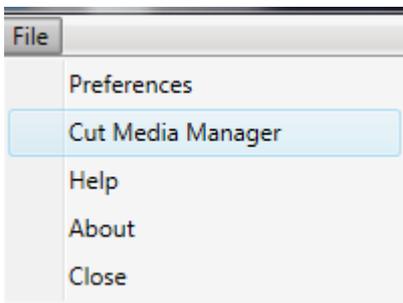
The media database is where you save your own parameters and add more medias. You can expand, change settings and update your media library as you grow and develop your business.

### 3.3 Media Manager

Working with media differs from customer to customer and depends on specific setup. You can customize the media library by moving profiles from an active list of media into an inactive list of media. The media that are in use must be moved to the Enabled Media list. Media that are not currently in use should therefore be moved to the Disabled Media list. Media on the Disabled list will not be shown anywhere in Fiery Prep-it software besides from this Media Manager dialog.



To open this dialog, go to the **File menu** of the Fiery Prep-it Windows client and click **Cut Media Manager**. The dialog can also be accessed from within the Job Editor on the Curves tab.



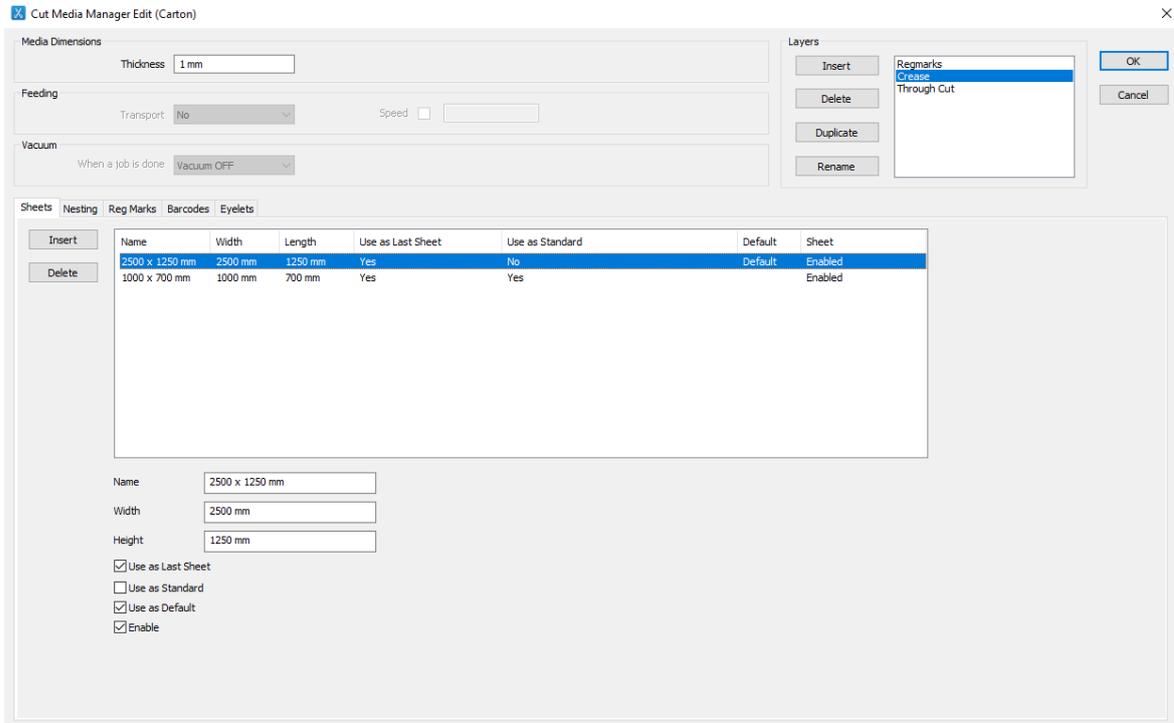
Click on one or more media to move them from the enabled list to the disabled list or reverse to setup and customize the active media list.

**Renaming, copying, deleting** and **editing** of a media are possible from this dialog.

You can **import** new media profile or you can exchange media profiles using the **export** function for one or more media into a single Zip file.

### 3.4 Editing a media profile

Double-click on the media you wish to edit from the Media Manager.



#### Sheets

You can specify multiple media sheets formats and name them.

When more than one format is defined, you must make one of the sheets the default for nesting.

Each sheet format can be preset to be **Use as Last Sheet** and **Use as Standard** for remnant handling when nesting.

A sheet can be set as default.

A sheet can be disabled.

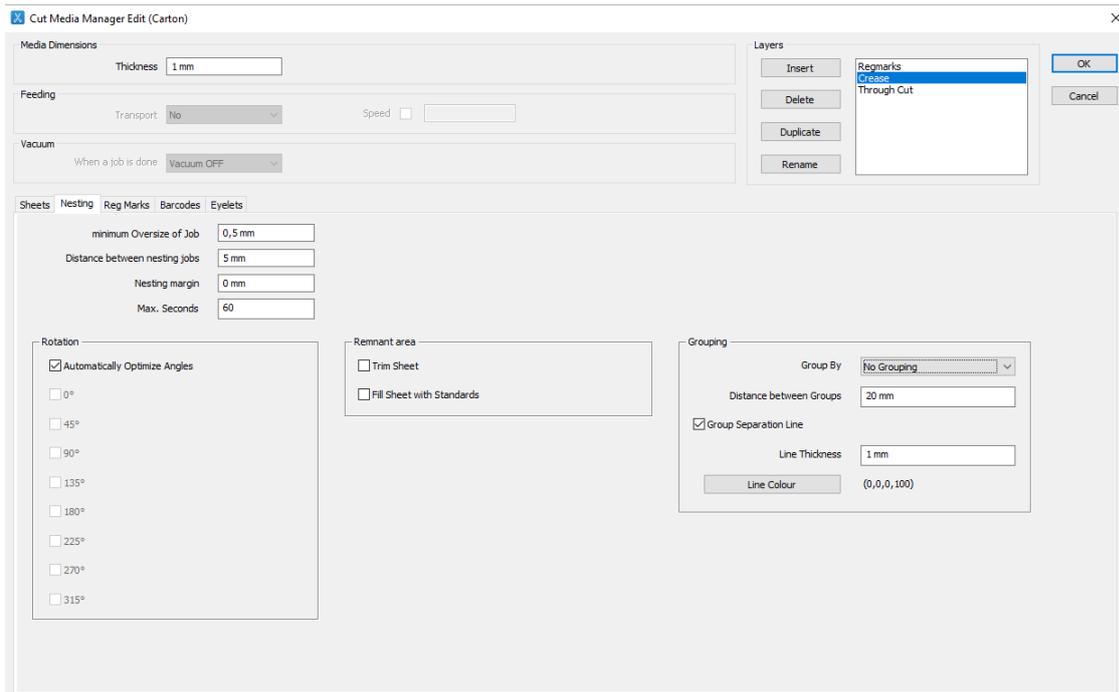
#### Nesting

Here you specify the nesting parameters used for this specific media.

**Minimum over size of job** defines how much “bleed” is kept around the outermost cut path on the objects being nested.

**Distance between nesting** jobs is the minimum distance that two objects will have to each other in a layout. Distance is also kept to the edge of the sheet.

**Nesting margin** is additional distance to the edges of the sheet. The distance from the edge of the sheet to the object is defined as **Nesting margin** + **Distance between nesting jobs**.

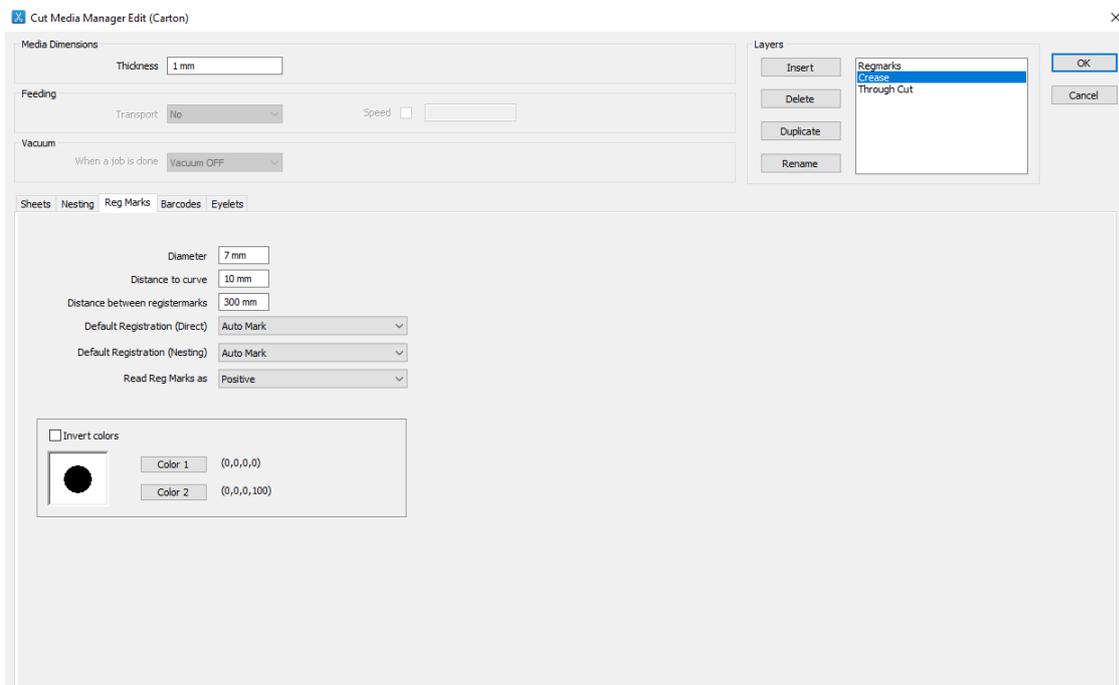


Defaults for the **Remnant area** and **Rotation**.

**Optimizing** is used for special nesting applications to allow more nesting time and to achieve a more optimized result. Is not in use per default.

### Reg. Marks

This tab contains the settings for how the software should place register marks.



**Diameter** defines the size of the register marks placed around and between graphics. In addition to the diameter, a square approx.. 2mm larger is surrounding the register mark and will there be added around each mark.

**Distance to curve** is the minimum distance between a register mark and an object (cut path).

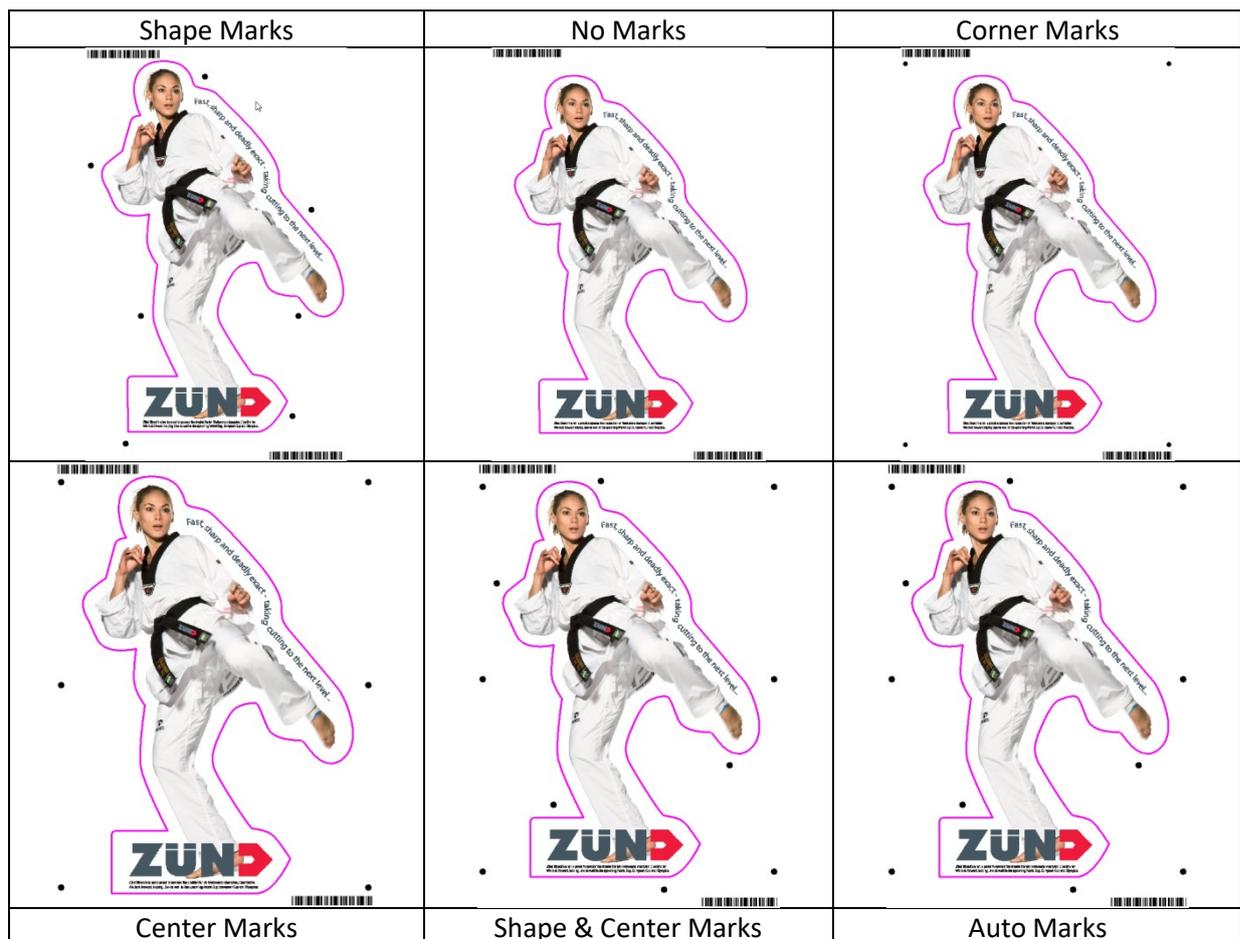
**Distance between** is the approx.. distance between two register marks.

**Default Registration** defines the register mark strategy in use per default.

Shape Marks	<b>Shape Marks:</b>	Places reg. marks around the cut path
No Marks	<b>No Marks:</b>	Will not place any marks
Corner Marks	<b>Corner Marks:</b>	Places 4 marks, 1 in each corner of the job
Center Marks	<b>Center Marks:</b>	Places marks along the longest axis centered
Shape Marks	<b>Shape &amp; Center Marks:</b>	Places marks around + centered
Shape & Center Marks	<b>Auto Mark:</b>	Places the marks based on the job/media
Auto Mark		

**Color 1** and **Color 2** defines what CMYK colors the register marks should be printed with. Defining different colors other than black is useful especially on transparent materials to avoid having black marks on top of a black/dark grey cutting underlay (which is typically the color on the cutting tables).

Examples of the different register mark placement strategies:



## Barcodes

This tab contains the settings for how the software should place barcodes.

The screenshot shows the 'Cut Media Manager Edit (Carton)' software interface. The 'Barcodes' tab is selected, displaying various configuration options. On the left, there are input fields for 'Width' (80 mm), 'Height' (10 mm), and 'Distance from edge' (1 mm). Below these are 'Reduction' (0 mm) and 'Extra background on both sides' (2 mm) settings, along with a 'Background Color' field set to (0,0,0,0). A 'Barcode Type' dropdown is set to 'Code39'. On the right, there are two columns of placement options: 'Placement (Direct)' and 'Placement (Nesting)'. The 'Bottom' option is checked in the 'Direct' column, and 'Auto Position' is checked in the 'Nesting' column. A 'Layers' panel on the far right shows a list of layers with 'Cresce' selected. At the bottom, a preview of a barcode is shown on a grey background.

**Width** defines the entire “length” of the barcode that will be printed.

**Height** defines how tall the barcode will be printed.

**Distance from edge** defines the distance to the edge of the sheet / print file output.

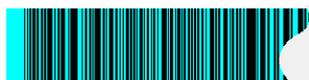
**Placement** defines where and how many barcodes will be printed around the job.

**Reduction** is a value used to reduce the thickness of the vertical bars in the barcode. The interval is between 0-1.

**Extra background on both sides** defines how much extra “background” you like to include in front and back of the barcode.

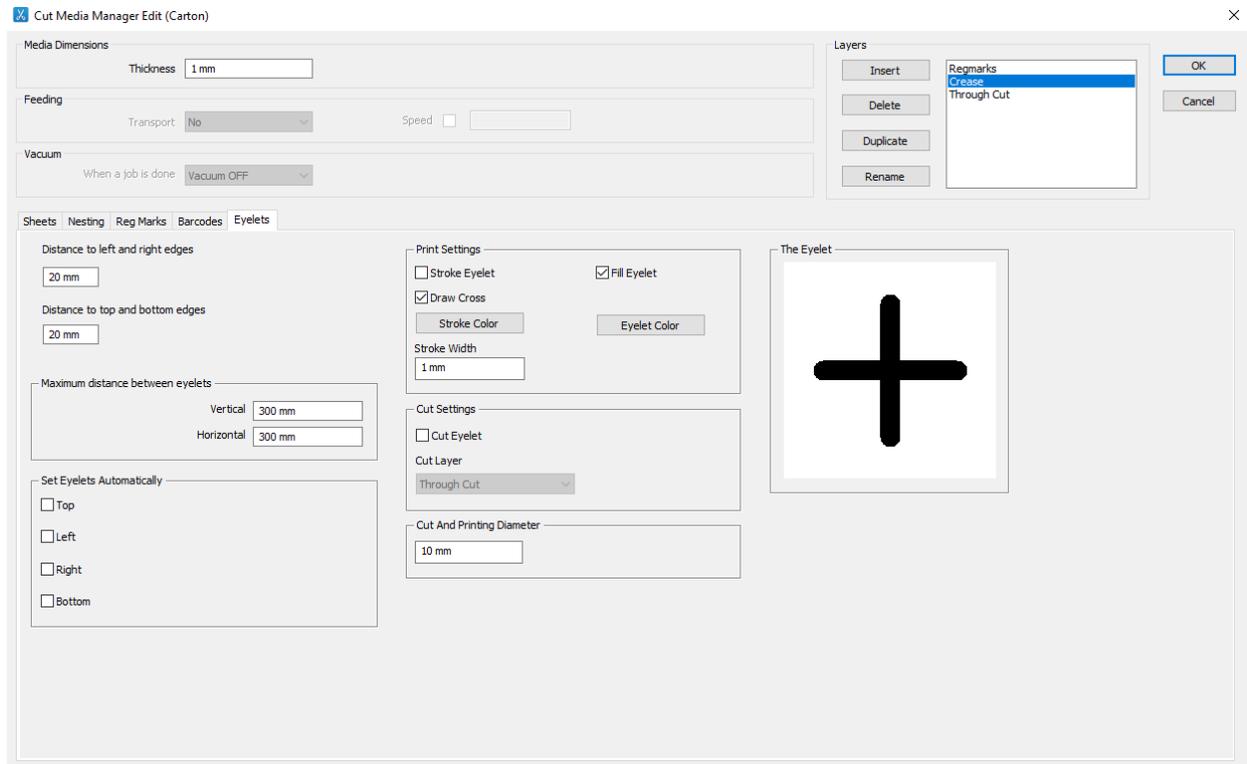
**Background Color** defines what CMYK color the barcode should be printed with. Defining different colors other than black is useful especially on transparent materials to avoid having black marks on top of a black/dark grey cutting underlay (which is typically the color on the cutting tables).

Examples of barcodes with different colors:



## Eyelets

This tab contains the settings for how the software should eyelets / grommets.



**Distance to left and right edges** and **Distance to top and bottom edges** defines the positioning of the eyelets. **Maximum distance between eyelets** defines how close and thereby how many eyelets will be placed. These above values are the default values.

**Set Eyelets Automatically** will apply eyelets to the files by itself and let you choose on which of the four sides.

**Printing** and **Cutting Settings** has to do with how the eyelet mark is printed respectively cut on the files. Changing parameters will show immediately in the Eyelet preview of this dialog.

Examples of Eyelets:



Draw cross



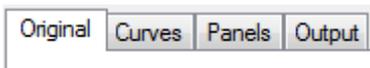
Draw cross, Fill eyelet, Yellow color



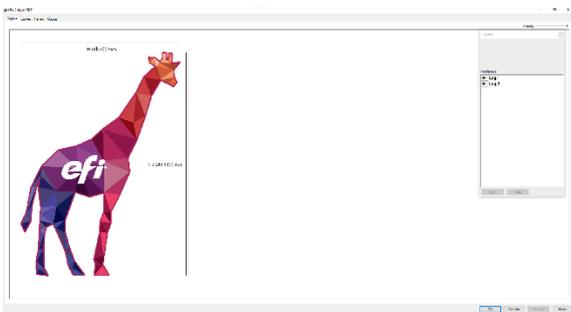
Draw cross, Stroke eyelet

## 4 Working with the Job Editor

The Job Editor is accessible from the Job Queue. Use the Editor to prepare your imported file so it becomes ready to output and/or send for nesting. The Job Editor is split up on four tabs each with specific preparation tasks in mind. Each intuitive tab guides the user through the necessary preparations in the correct order.



When opening a job in the Job Editor, you always be on the first tab, Original. You have to pass the Curves tab before going to Panels and Output tabs. After having passed the Curves tab, you can click on any tab you like and go switch between tabs as much as you like.



ORIGINAL



CURVES



PANELS



OUTPUT

## 4.1 General functionality of all tabs in the Job Editor

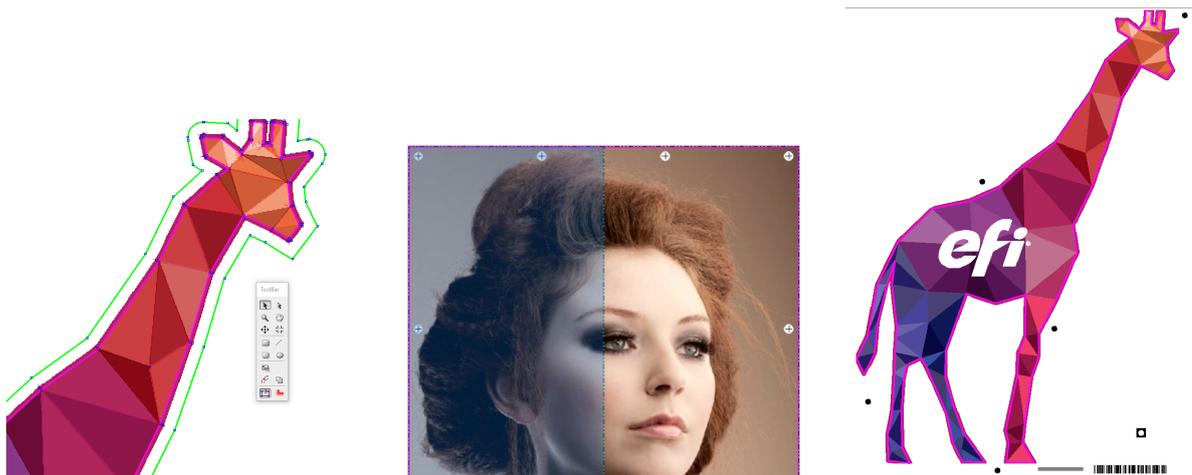
Overview of the Tab structures.



**Zoom** is done dynamically with rolling the mouse wheel.

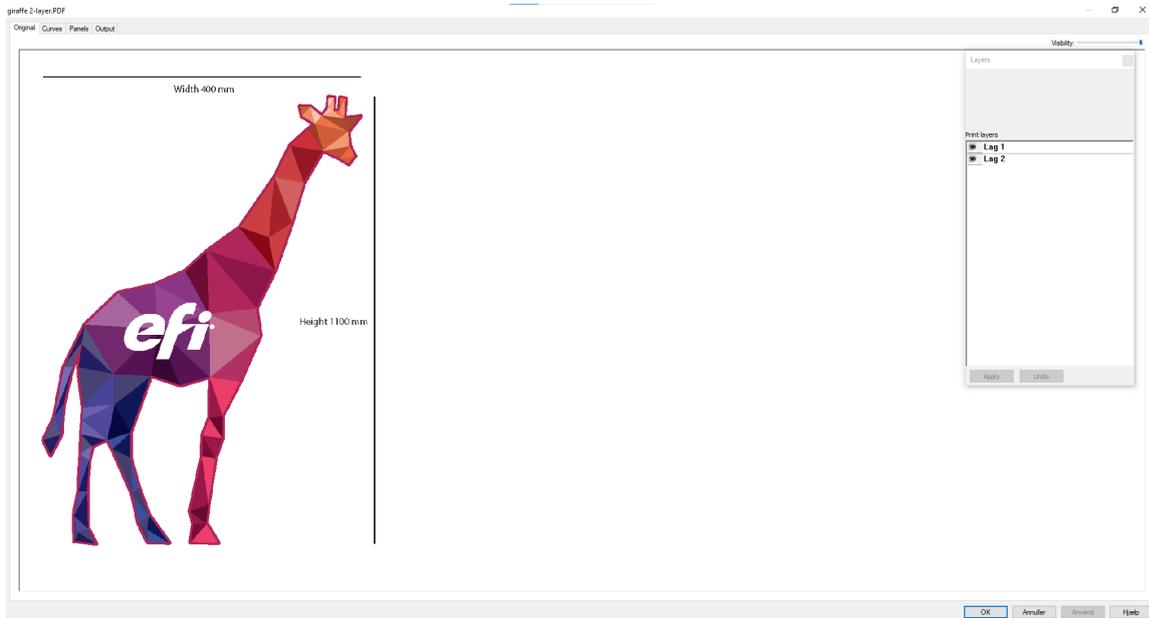
**Adjusting visibility** of the preview is sometimes useful with dark jobs where it is difficult to locate, identify and select vectors.

The **Information text field** below the working area guides the user on operations.

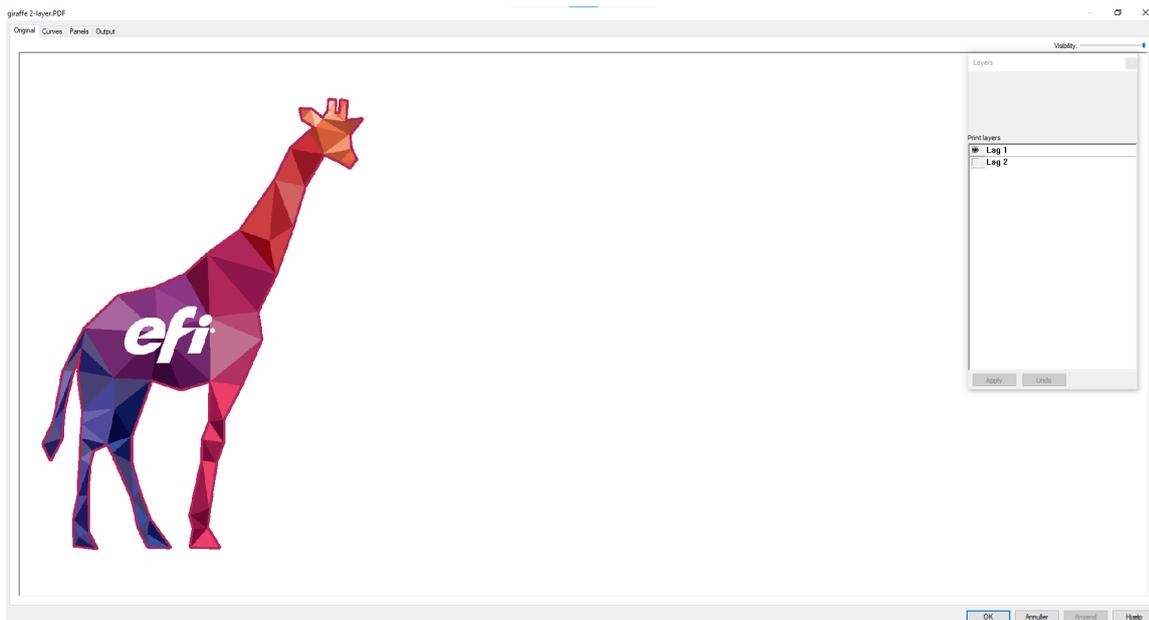


## 4.2 Original tab – Job Editor

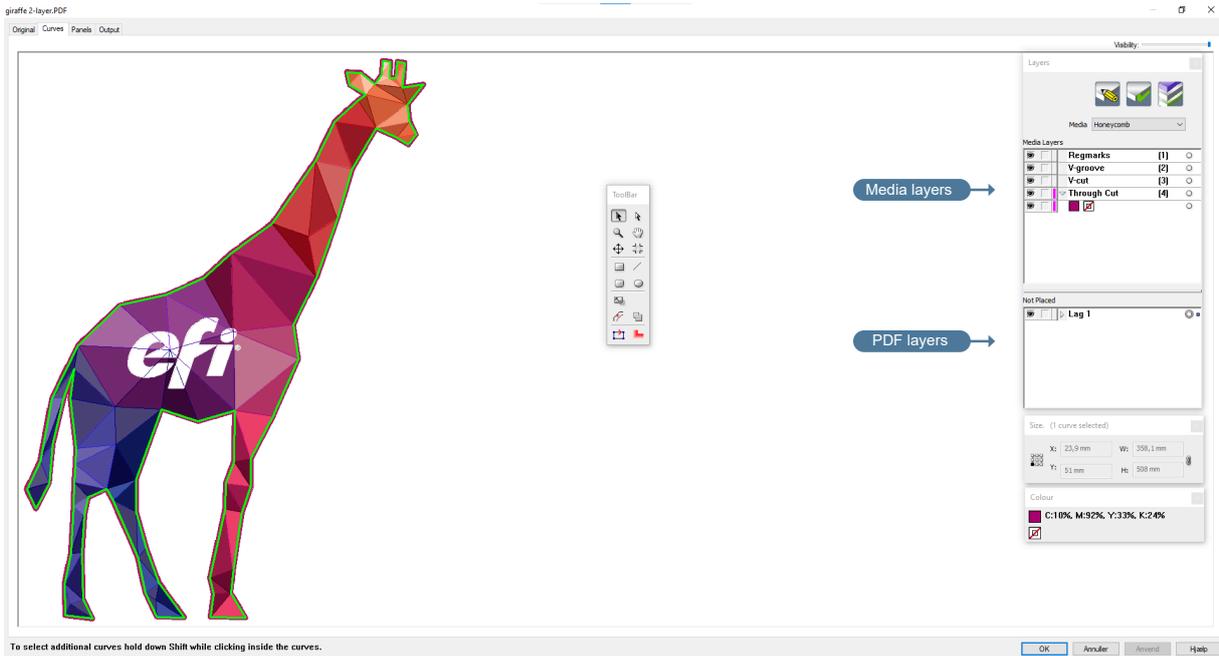
This tab is used to hide / show PDF top-level layers for printing. A layer dialog displays the number of layers available within the imported PDF. By clicking on/off on the individual layers and then Apply, the software will hide/show the layers and how you how the file will print!



This function is useful when cut paths are placed on top of the image from design and as a result of this will be visual in the print. Since almost no cut paths should be printed, this function to hide the layers is useful!



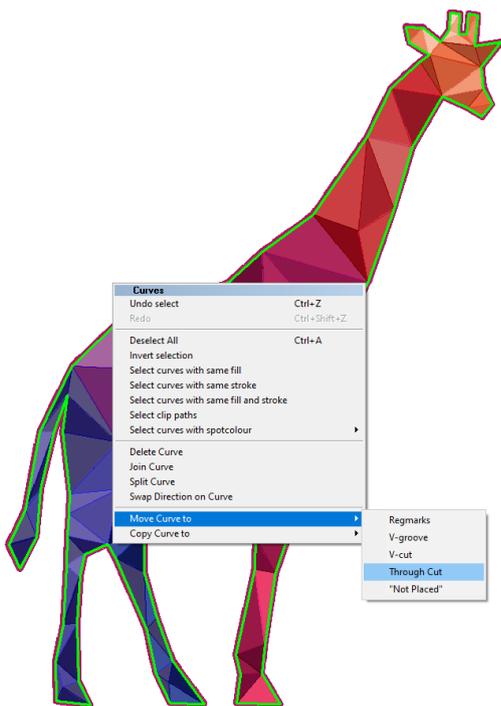
### 4.3 Curves tab – Job Editor



This tab has a lot of functionality with regards to “last minute” editing and corrections on the imported file. However, the main functionality in the Curves tab is to select what is going to be Cut, Routed, Creased, V-Cut etc. within the file.

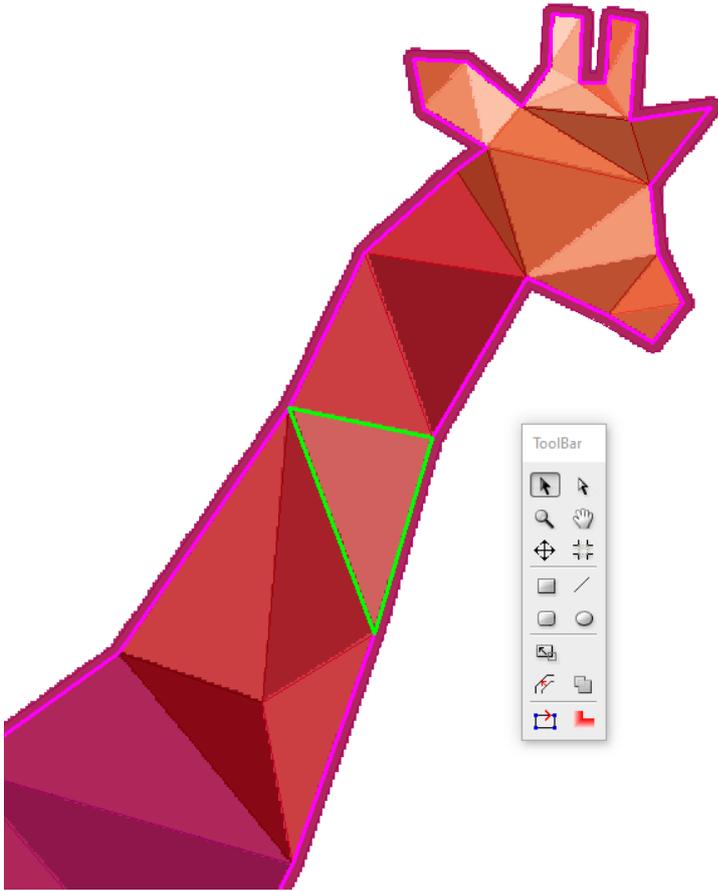
The user must select one or more vectors and place them to the appropriate media layers. You can't leave this tab to go to other tabs before placing at least one vector in one of the Media layers!

#### Move selected curve to a Media layer



Click to select the curve, then press 2 or 3 or 4 etc. depending on what layer you wish to move to!  
or  
Click to select the curve, then right-click to **move** or **copy** curve to layer!

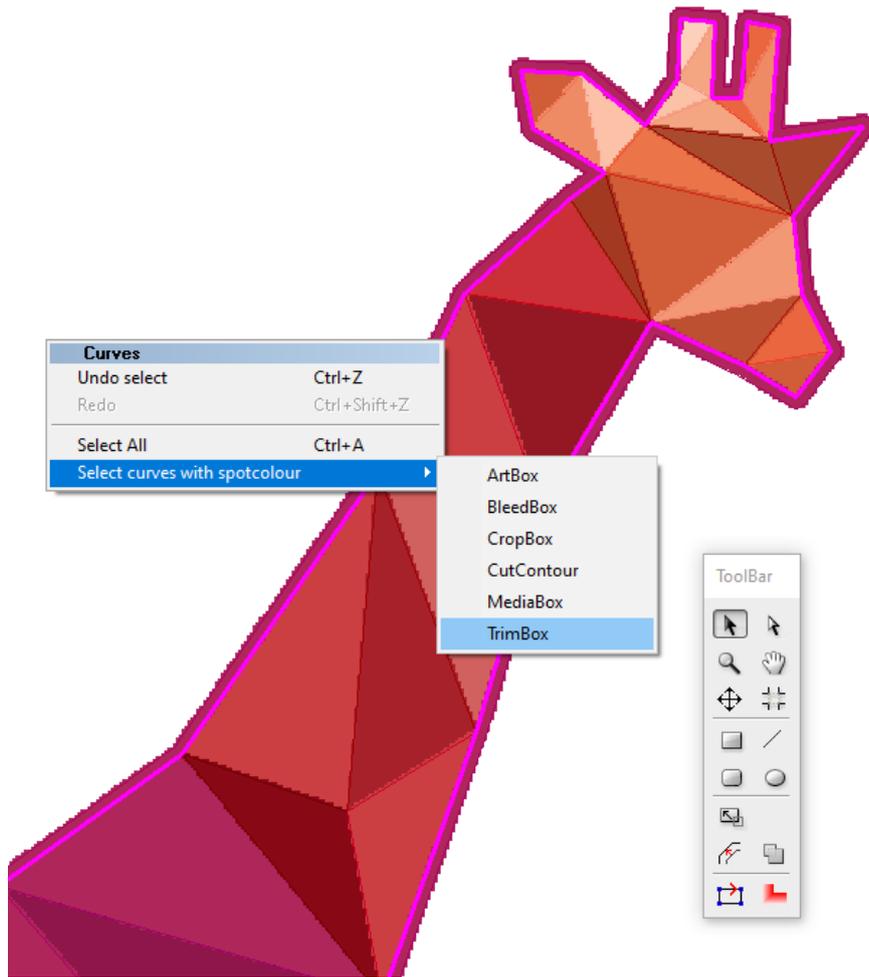
## Selection of curves



**Click** near or inside a closed curve to select it.

**Drag select** with a box. Note, that this may include multiple curves (placed on top of each other) and if these curves are placed in the media layer – they will end up being cut several times, which is not ideal.

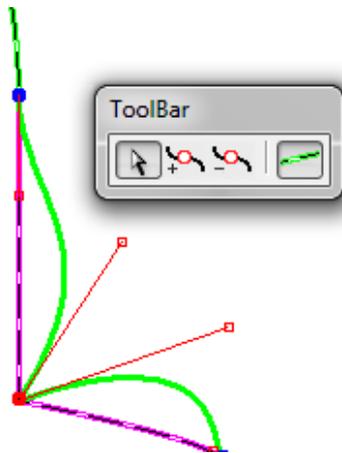
**Right-click** to select curves by same *fill*, *stroke*, *fill and stroke* or by *spot color*!



Overview of the Tool bar.

	Selection tool (V).
	Direct selection tool for point editing (A).
	Zoom tool. Activate the tool and click+drag to zoom in. Hold "Alt" and click to zoom out (Z).
	Hand tool. Activate the tool and pan around within the work area (H).
	Move tool. Activate the tool to get the dialog for selecting the anchor point and specify XY coordinates.
	Crop tool. Activate the tool and click+drag a rectangle around the area you want to crop to. You can resize the crop box.
	Create a rectangle. Activate the tool and drag the rectangle or click anywhere to get a dialog for selecting the anchor point and for specifying XY coordinates for placement and size.
	Create a rectangle with round corners. Activate the tool and drag the rectangle or click anywhere to get a dialog for selecting the anchor point and for specifying XY coordinates for placement and size and corner radius.
	Create a circle or ellipse. Activate the tool and drag the circle/ellipse or click anywhere to get a dialog for selecting the anchor point and for specifying XY coordinates for placement and size.
	Scale tool. Activate the tool to get the dialog for specifying the scale in % or in width or height. This tool works on the complete job, not on individual vectors within the job (S).
	Offset tool. Activate the tool to get the dialog to create inline or outline. Specify offset distance, layer and possibility to remove or keep original curve.
	Merge tool. Select overlapping closed curves and activate merge tool to get the dialog for selecting layer and possibility to remove or keep original curves.
	Show direction tool. Activate tool to see start points, curve points and cutting direction of all curves in the complete job.
	Show tool path. Activate tool to see router path and V-Cut path on all curves in the complete job.

## Point Editing



**Select** the curve you wish to work on.

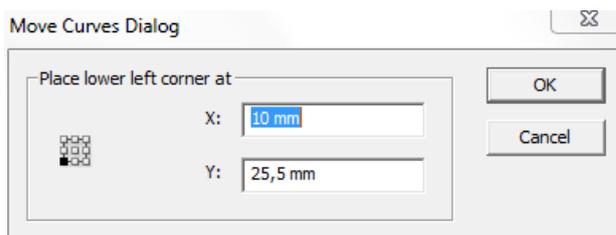
Click on the point you wish to move and/or edit.

Pull on Bezier handles to form path.

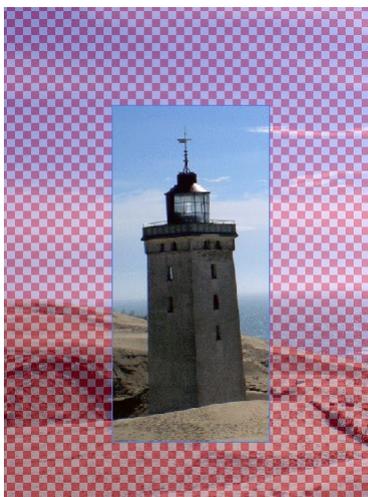
Use **Add point** or **Remove point** tools to fine-tune the path.

Click **Show Original** to see the path prior to editing.

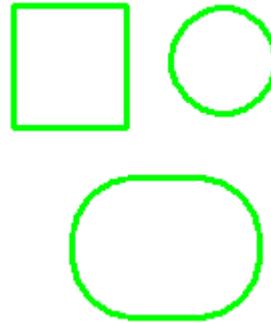
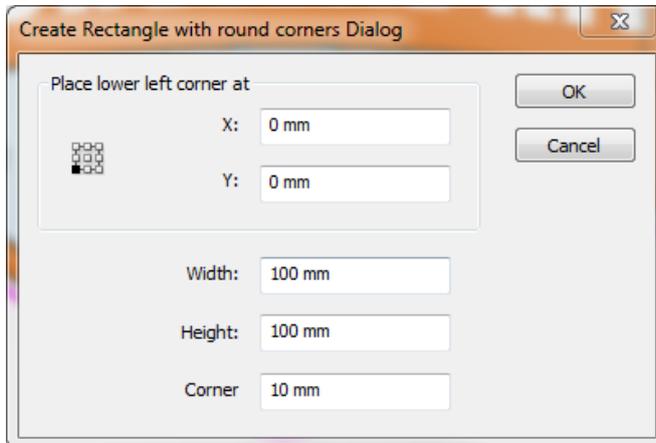
## Move



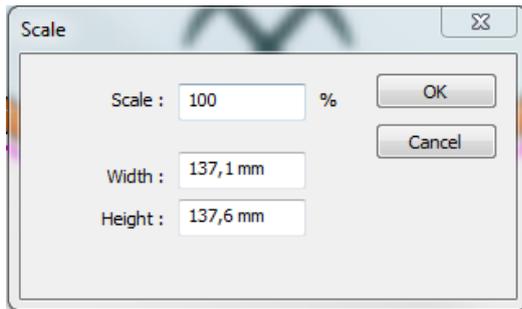
## Crop



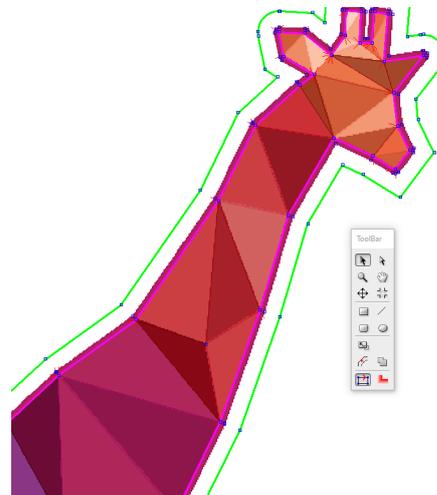
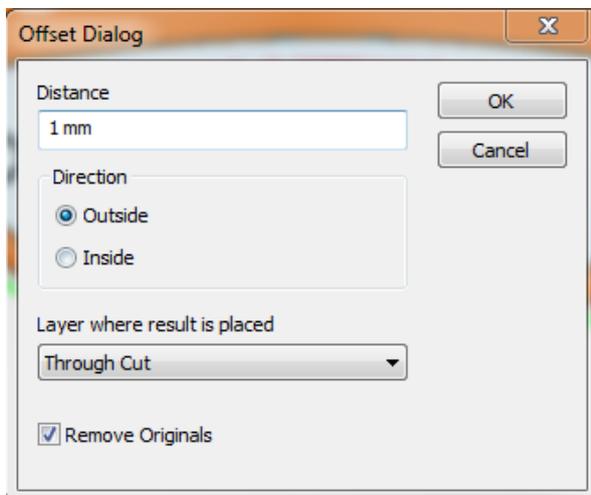
### Create simple shapes



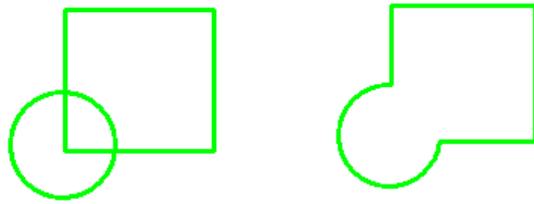
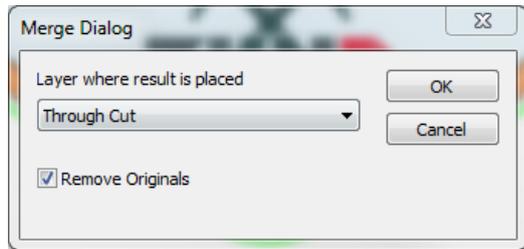
### Scale



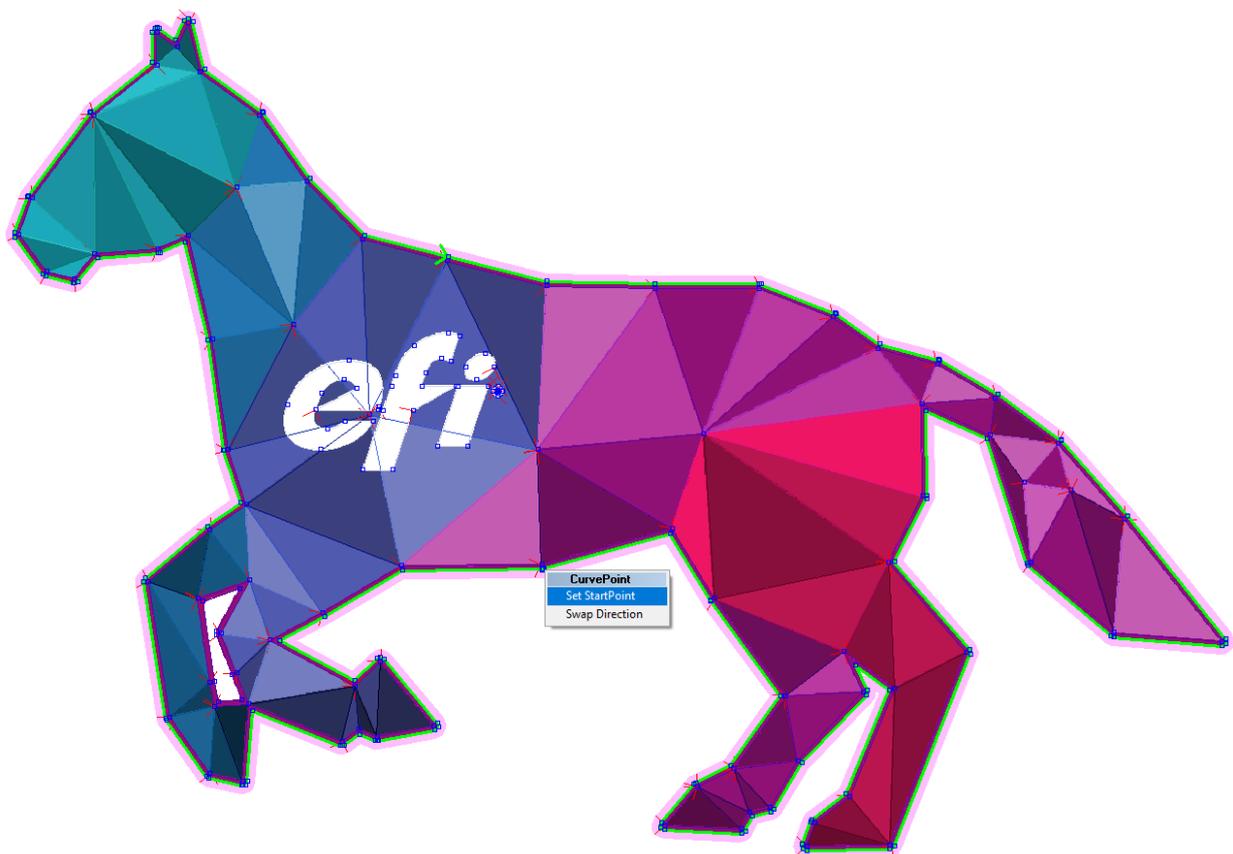
### Offset



## Merge

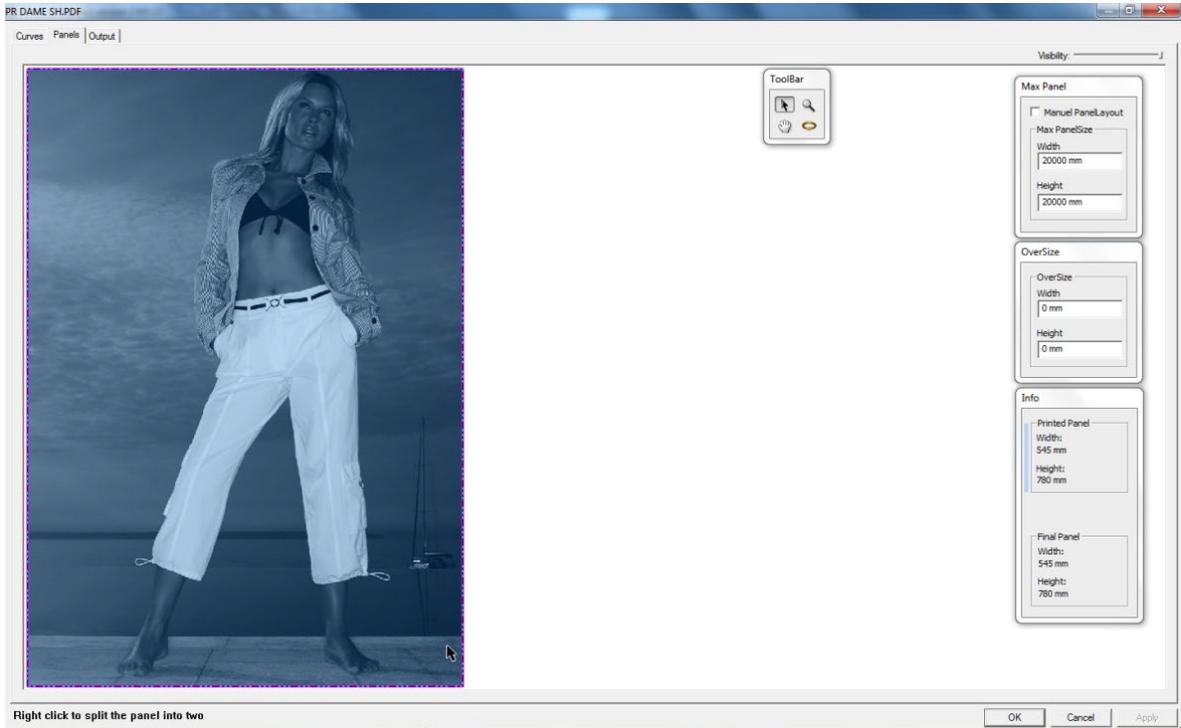


## Show points, direction and tool path



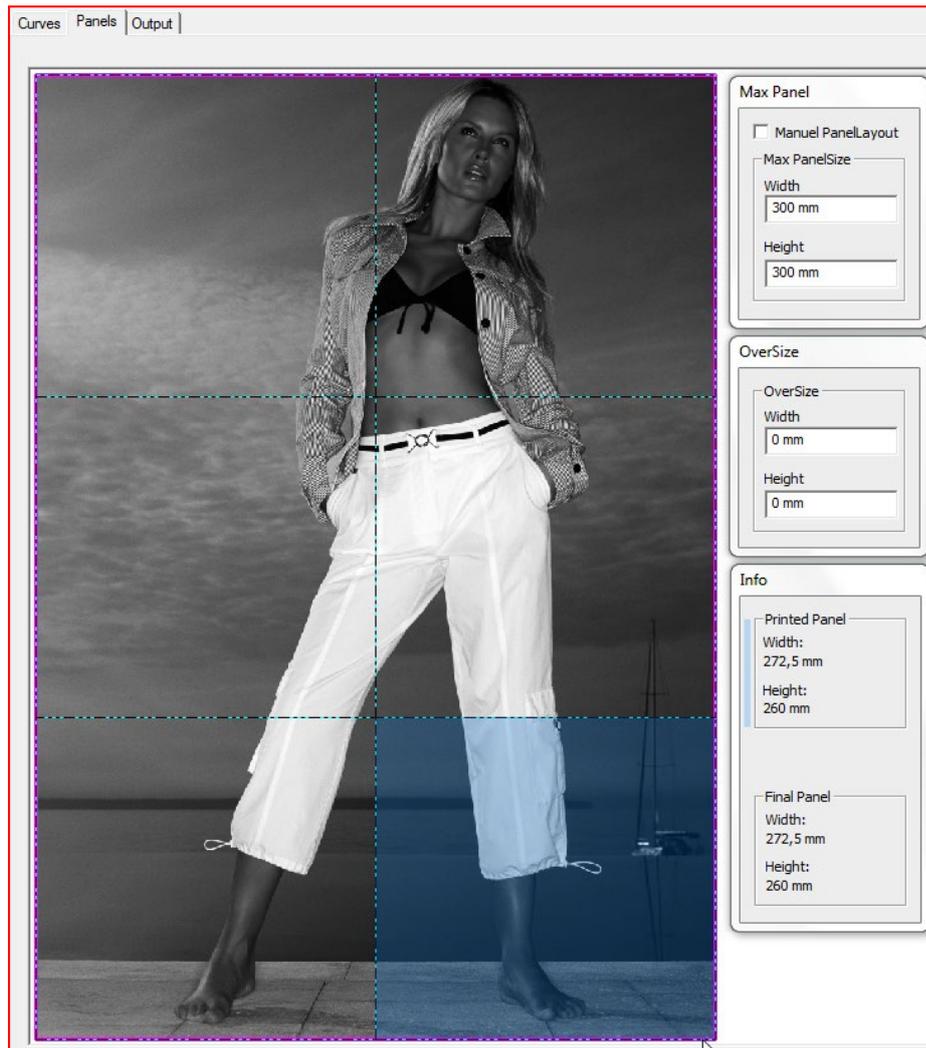
#### 4.4 Panels tab – Job Editor

This tab is used to tile a job into panels. Also inserting marks for later mounting of eyelets/grommets and to specify how much Over Size (bleed).



Area	Description
Panel Tool Bar	A toolbar with Select, Zoom, Hand and Eyelet tools
Max Panel	The Max Panel Size is used to specify the size of panels you like to use for the job. If the job is larger than the Max Panel Size then it will automatically split the job in panels.
Over Size (bleed)	The image will crop to the selected cutting curve. Usually it is better to print a little extra to avoid cutting exactly at the edge. In this dialog you can specify the <b>Width</b> and <b>Height</b> of the oversize. How much extra print data to include around the selected curve!
Info	Info will give you information about Height and Width of the panel you highlight with the mouse. Dimensions are for the printed panel as well as for the final cut out panel.

## Automatic Panel Layout



### Max Panel Size

Set this value the maximum roll width or board sizes you like to use for the job. If the Max Panel Size is smaller than the actual job as it is in this example, then Fiery Prep-it will automatically generate equal size panels.

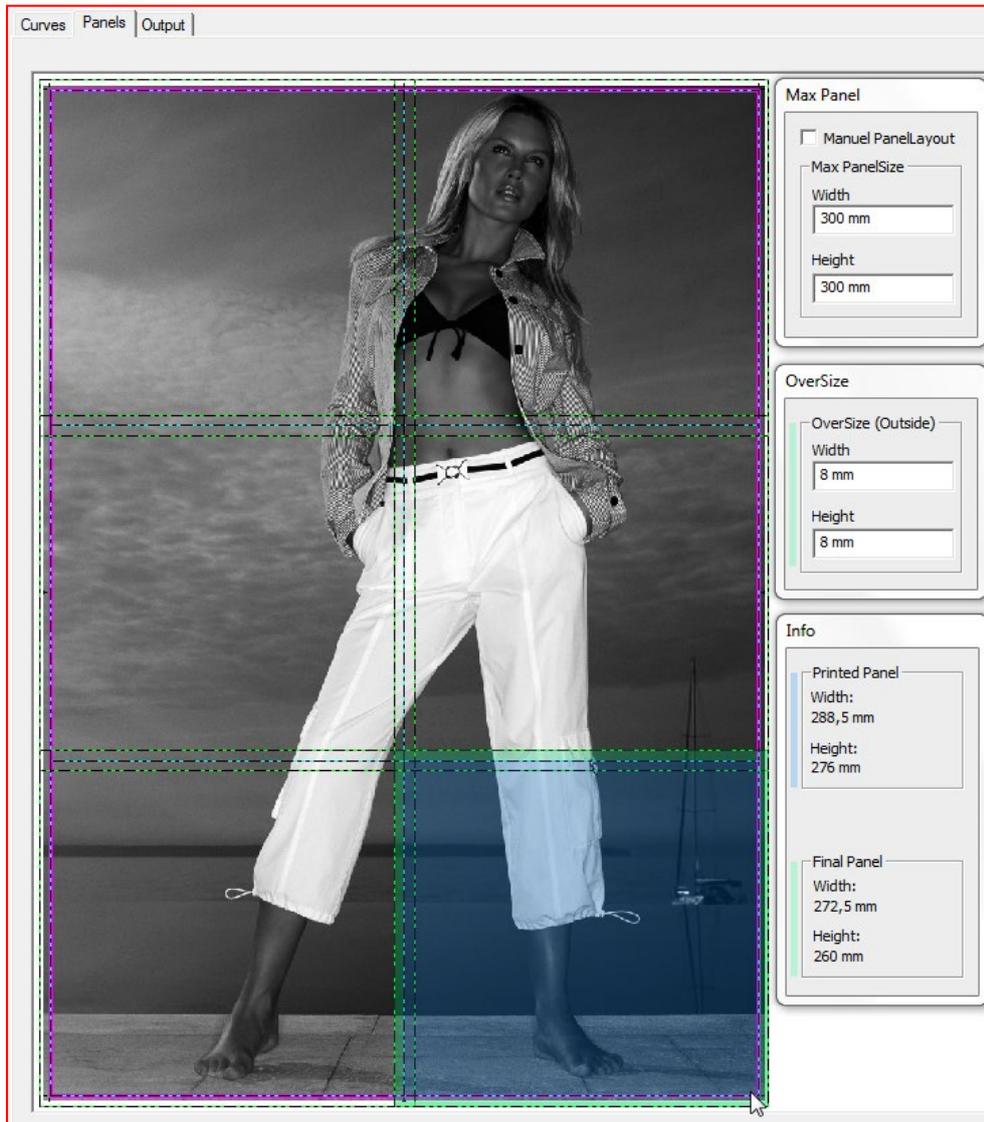
### Over Size

Is the value of how much extra print information to include around the outmost cut path. If like in the above example over size is set to 0, then the cut will be exactly at the edge of the printed panels.

### Info

Specifies Since there is no over size specified the printed panel and the final panel will have the same size.

## Panels with over size

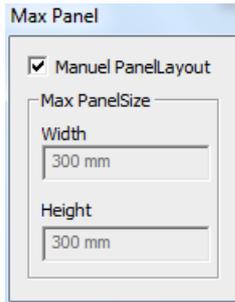


### Over Size

In this case the over size is specified to 8 mm in both directions. This means that each panel will be printed with 8 mm extra image on all four sides.

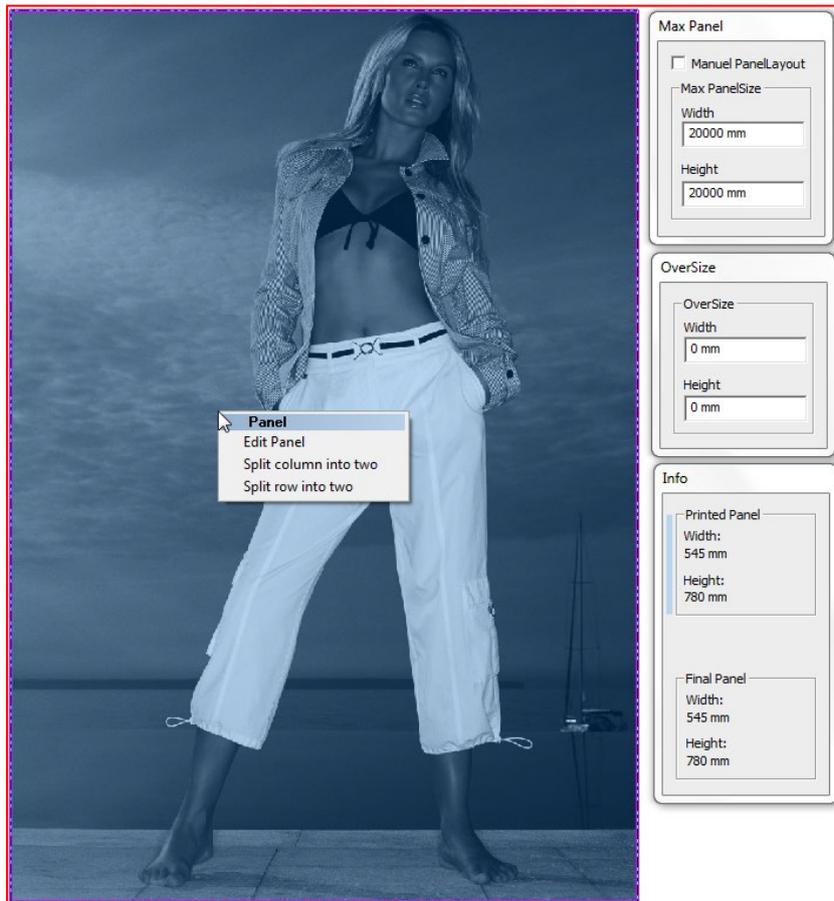
### Info

Because of the specified over size print, the printed panel is 16 mm higher and wider than the final panel.



The above panels are generated automatically, but it is still possible to move the split lines with the mouse. In such cases the “Manuel Panel Layout” is checked and the dialog is disabled

**Manual Panel Layout**



**Max Panel**

If the Max Panel size is larger than the job, then it will not generate panels automatically.

**Manual Panel Layout**

If you like to tile the job in panels manually, you move the mouse inside the job and right click to get the Panel dialog where you can select **Horizontal Split**, **Vertical Split** or **Edit Panel**.

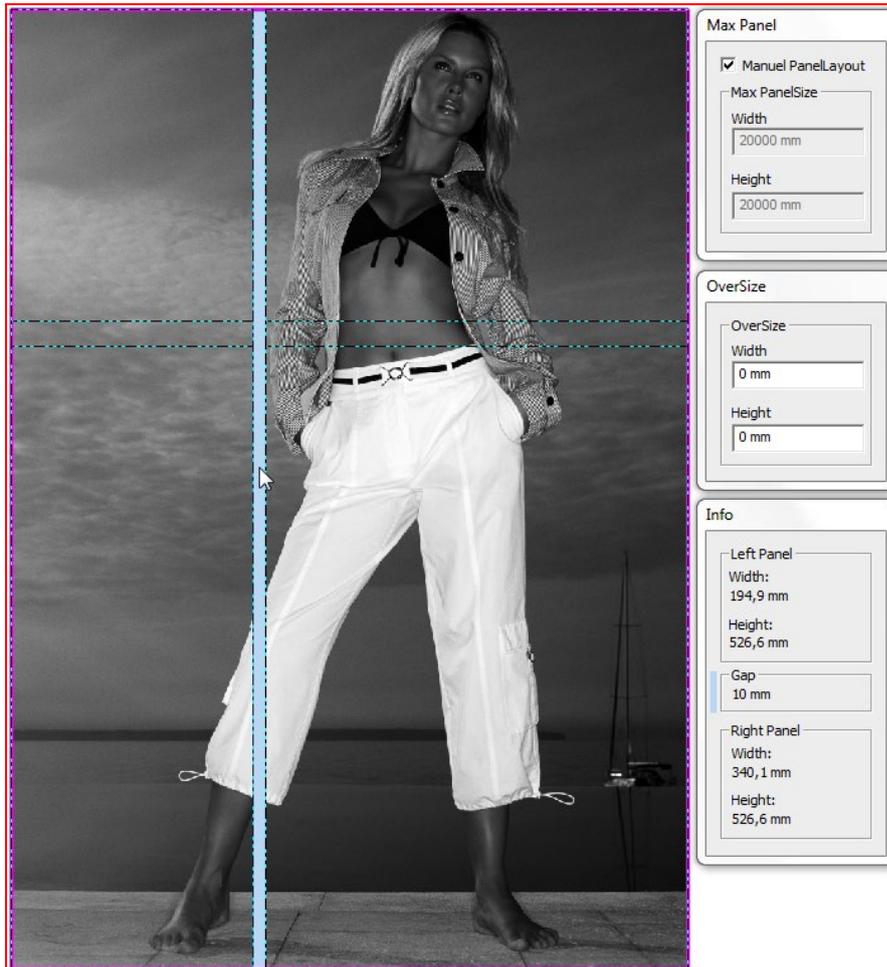
## Horizontal & Vertical Split

The image shows a software interface for panel layout. On the left, a vertical split is applied to a panel containing a model. A context menu is open over the split line, showing options: **Overlap**, Edit Overlap, and Join Panels. On the right, a control panel is visible with the following settings:

- Max Panel**
  - Manuel Panellayout
  - Max PanelSize
    - Width: 20000 mm
    - Height: 20000 mm
- OverSize**
  - OverSize
  - Width: 0 mm
  - Height: 0 mm
- Info**
  - Left Panel
    - Width: 199,9 mm
    - Height: 515,6 mm
  - Overlap: 0 mm
  - Right Panel
    - Width: 345,1 mm
    - Height: 515,6 mm

You can place the split manually with the mouse. Right click at the split line to get the **Overlap dialog** where you can specify the Overlap or Gap between panels. If you select **Join Panels** then the split line will disappear and the panels will join.

## Split with Overlap or Gap



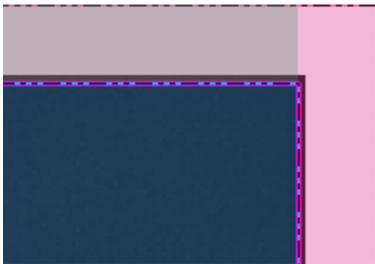
In the above example, there is vertical split with a gap of 10 mm and the horizontal split with an overlap of 20 mm. Please note that if you point at the gap the info box will show information about the left panel, the gap and the right panel. In the same way if you point at the horizontal split the info box will show information about top panel, the overlap and the bottom panel.

## Edit Panel

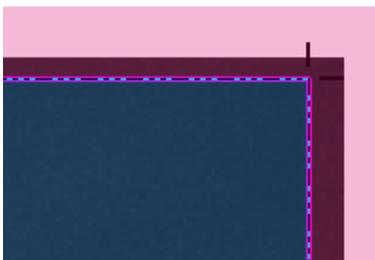
	White Area	Image Area	Total Extra Area
Left	20 mm	2 mm	22 mm
Right	20 mm	2 mm	22 mm
Top	20 mm	2 mm	22 mm
Bottom	20 mm	2 mm	22 mm

Right click the mouse inside the job and select **Edit Panel** in the Panel Dialog to get the Panel Size dialog. Here you can specify extra area around the panel. You can specify extra image and extra white area with same or different parameters on each side of the panel.

If you define extra image around it will only add this in case there is extra image outside the chosen cutting curve.

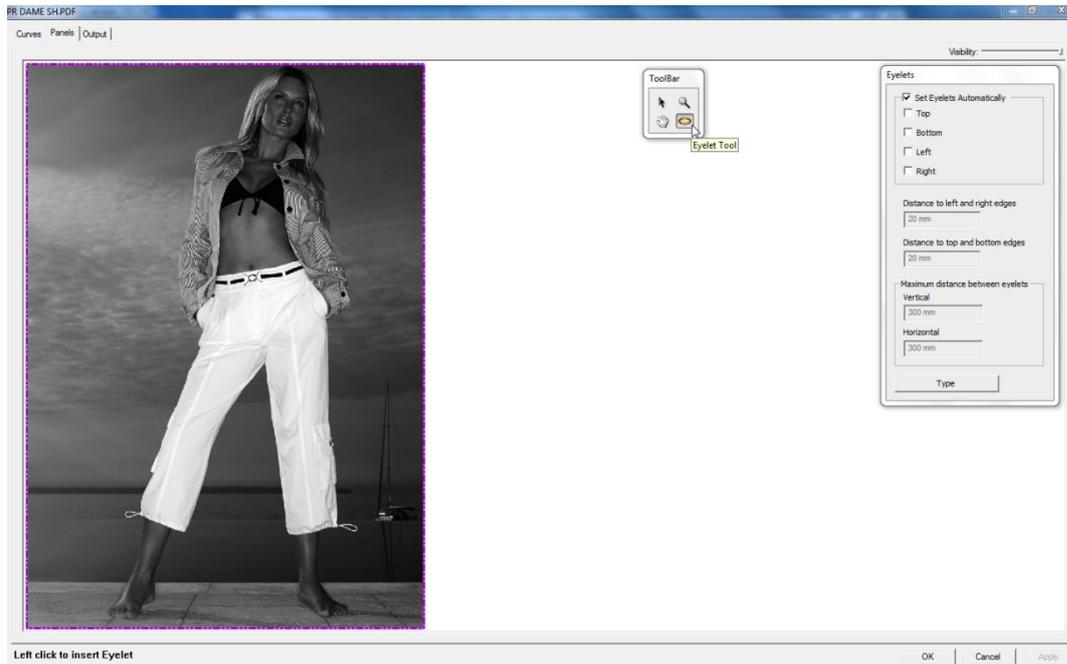


In this example we specified 2 mm extra image and 20 mm extra white area around the panel, and because the original image was large enough it generated exactly as specified.



In this example we specified 20 mm extra image around the panel, and because the original image was not that large it automatically added extra white area around to reach total 20 mm

## Add Eyelets to your prints



Select the **Eyelet tool** in the Panel Tool bar to get the Eyelet Dialog for specification of the eyelets.

You can set eyelets automatically with the parameters specified in the media or you can set the eyelets manually anywhere.

### Manuel placement of eyelets

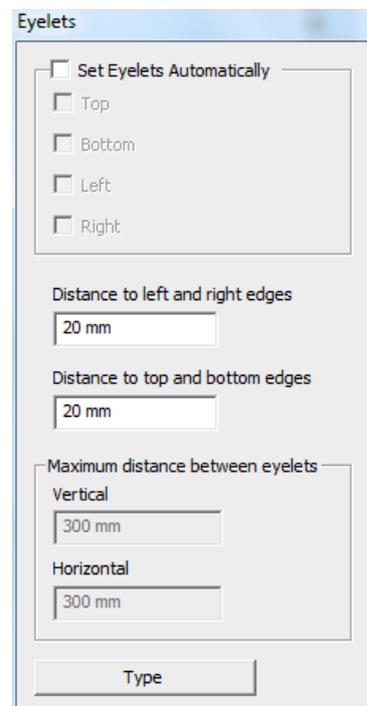
Manuel placement give you the freedom to insert eyelets anywhere and even outside the image.

- Left click to insert eyelets
- Left click at eyelets to delete again
- Right click at eyelets to see and or change the actual eyelet

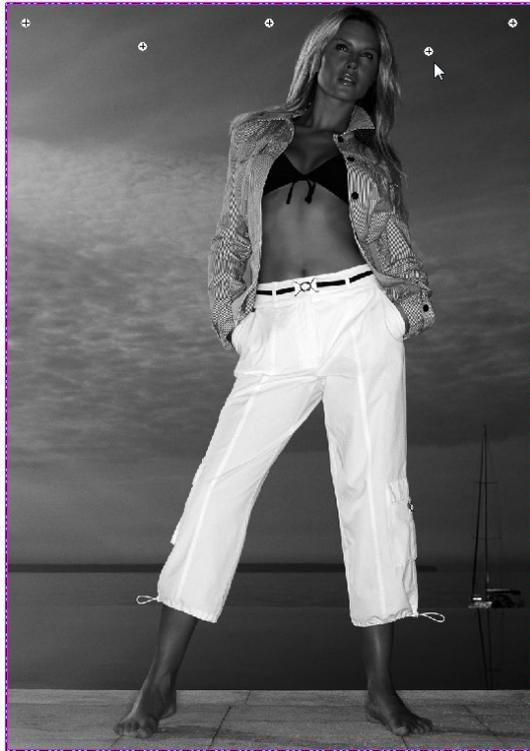
### Automatically placement of eyelets

Automatic placement of eyelets uses the default specifications about distance between eyelets and distance to edges from the media. In this function you are free to change these parameters for this specific job without overwriting the default in the media specifications.

- Check "Set Eyelets Automatically"
- Select where you want the eyelets (Top, Bottom, Left, Right)
- Change the distances if you can't use the default values.
- Press the button "Type" if you want to change the type of eyelets

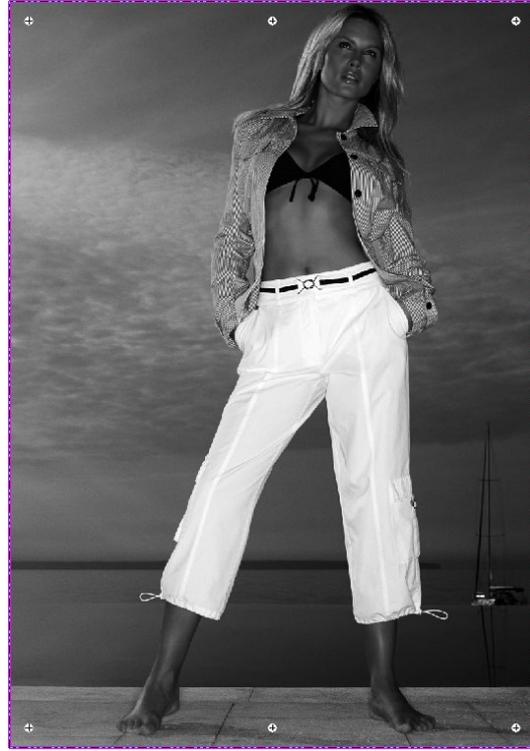


### Manuel placement of Eyelets



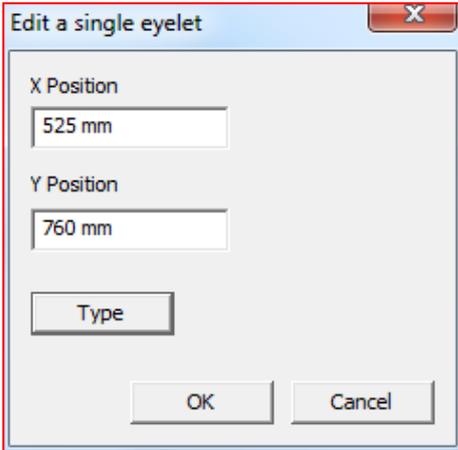
- Left click to insert eyelets
- Left click at eyelets to delete again if you regret
- Right click at eyelets to see and or change the actual eyelet
- Press the button “Type” if you want to change the type of eyelets
- If you make automatic placement of eyelets after you have placed some manually, you will note that the manually placed eyelets will disappear

### Automatically placement of Eyelets

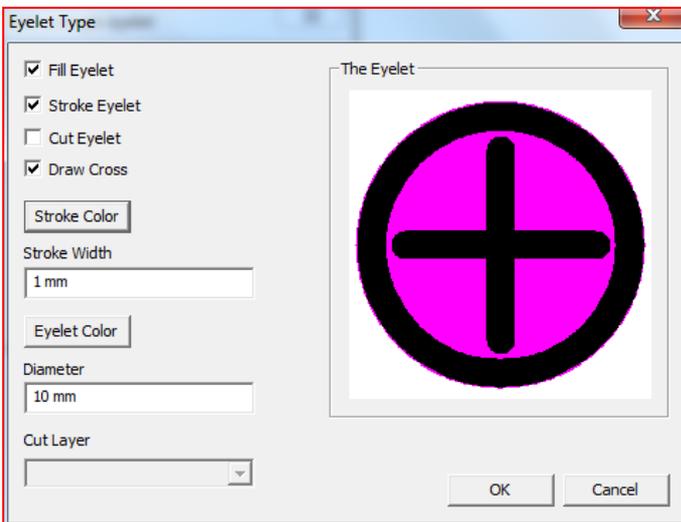


- Check “Set Eyelets Automatically”
- Select where you want the eyelets (Top, Bottom, Left, Right)
- Change the distances if you can’t use the default values.
- Press the button “Type” if you want to change the type of eyelets
- After the automatic placement of eyelets you still have the possibility to add eyelets anywhere you like

*Change placement and or type of eyelets*



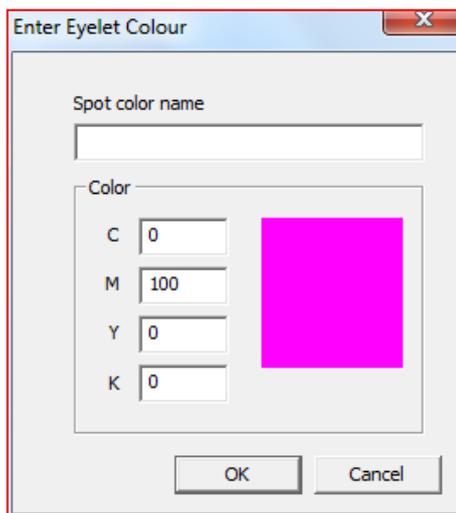
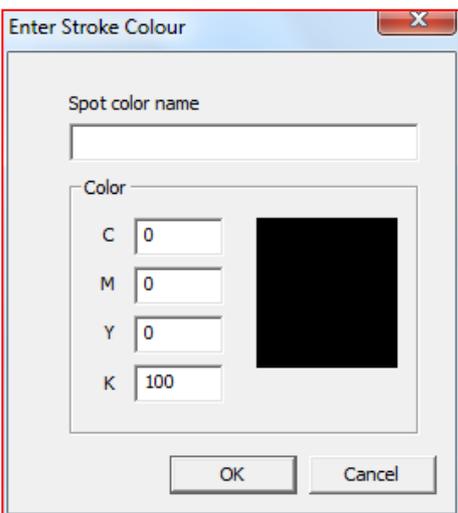
If you right click at an eyelet you get this dialog where you can change the position of the actual eyelet. Press the button “Type” if you like to change the type of the actual eyelet.



In this dialog you can specify the type of eyelets.

The following examples is giving an idea of the possibilities:

-  Draw Cross is chosen.
-  Draw Cross, Fill Eyelets and Yellow Eyelet Color are chosen.
-  Draw Cross & Stroke Eyelet is chosen.

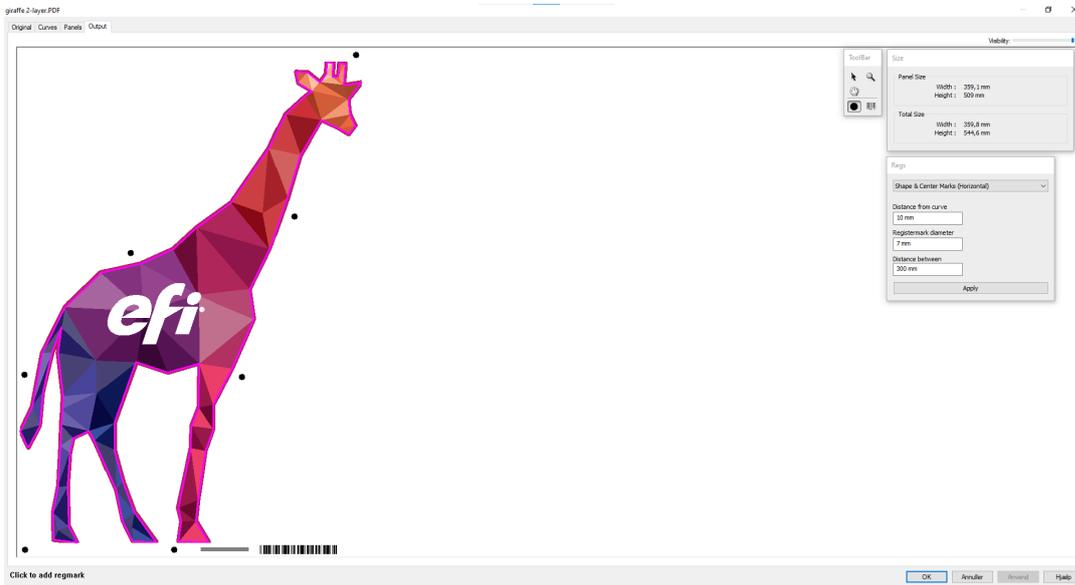


Press the buttons “Stroke Color” and or “Eyelet Color” if you like to change colors

If you like to cut holes check “Cut Eyelets” and specify the diameter for the holes.

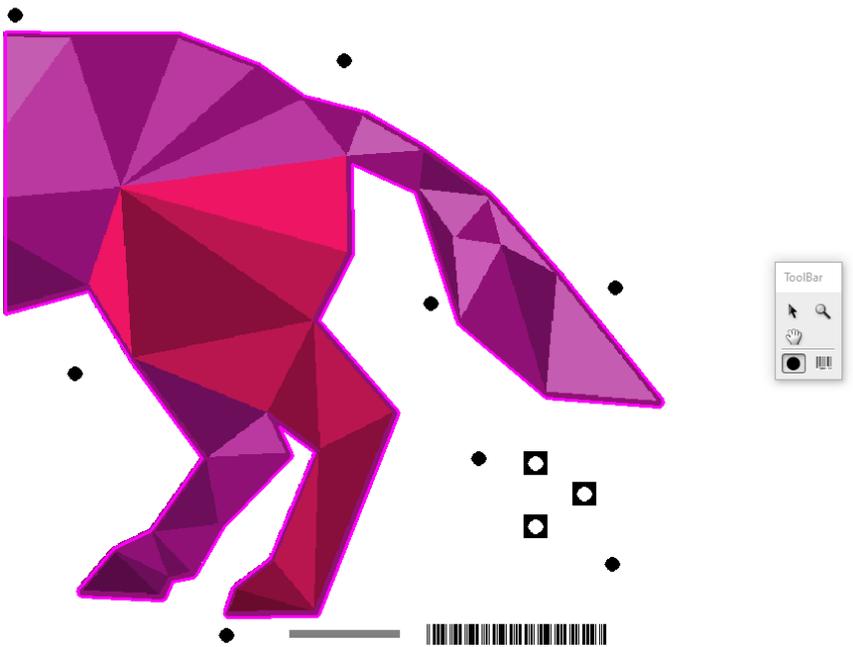
#### 4.5 Output tab – Job Editor

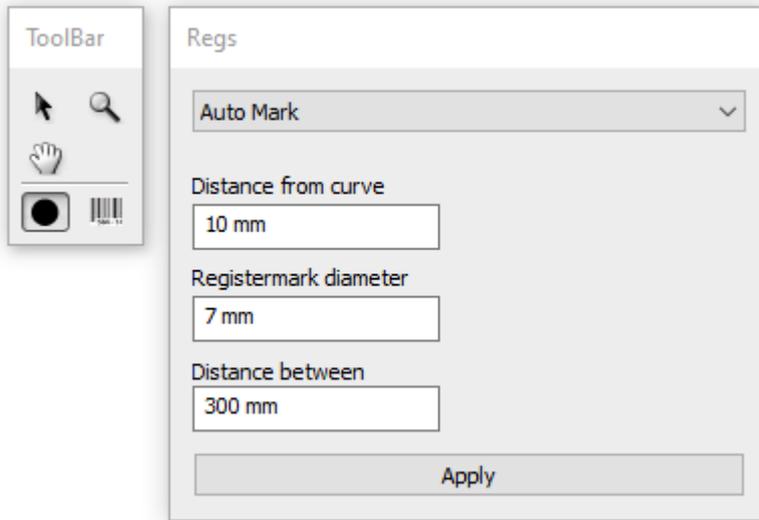
This tab can be used to inspect the preparation work made on the previous tabs e.g. you can view each panel separately on a tiled job. You can also place register marks on a job (that doesn't nest) anywhere just by clicking in the working area. You can overrule default settings for how many barcodes should go on the print file and view the output dimensions.



#### Manual placement of register marks

Click on the register mark tool in the Tool bar and click anywhere to place a mark. Hold shift to place an inverted register mark.

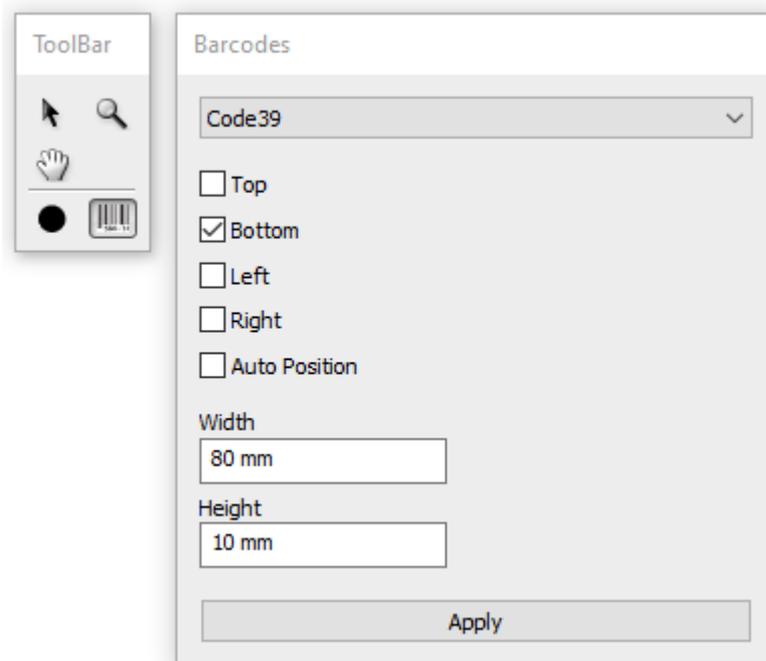




You can also overrule the default register mark placement strategy specified within the media profile and apply another strategy for this active job. Click on the buttons and specify size and distances.

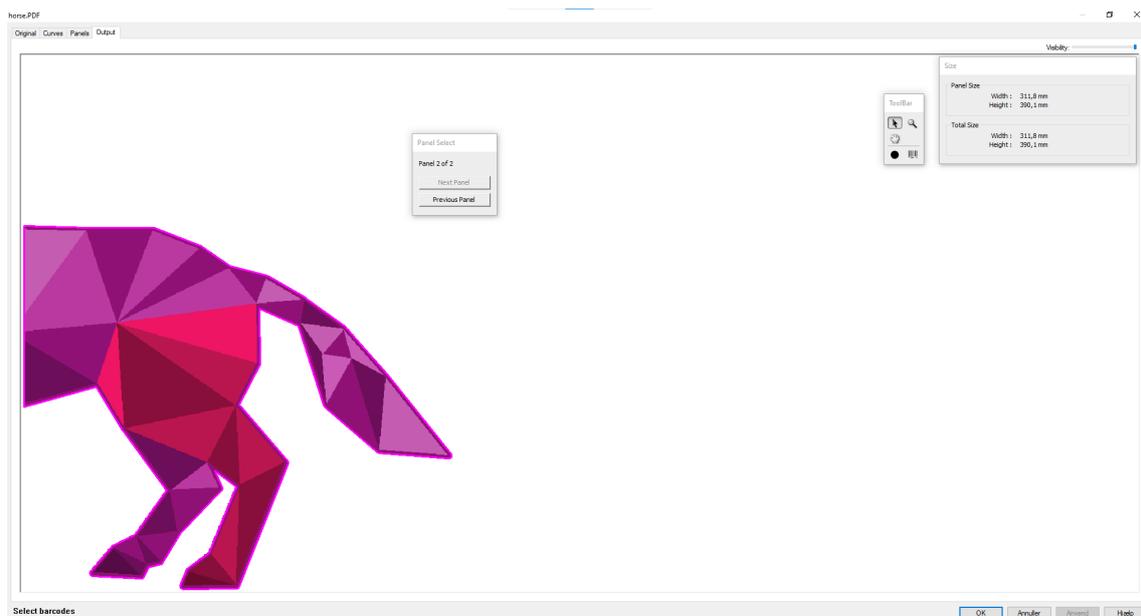
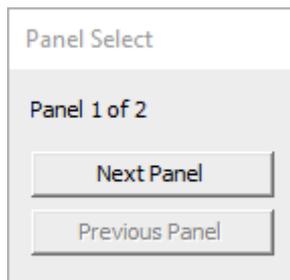
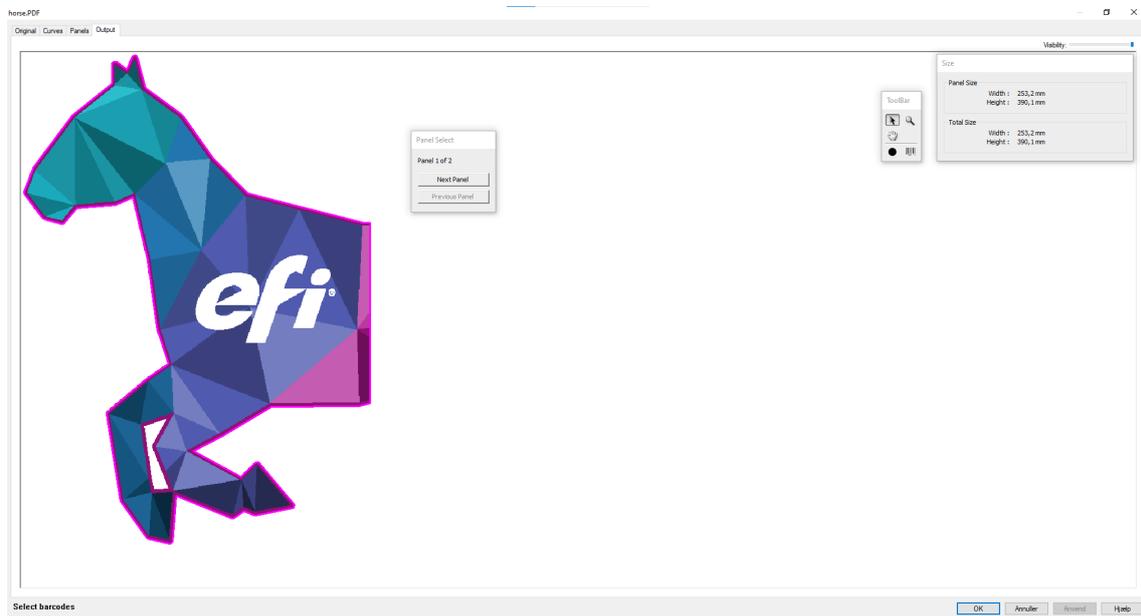
### ***Barcode placements***

Click on the barcode tool in the Tool bar to specify the number of barcodes and on what side of the graphics you like to insert the barcode.



### View panels individually

Use the Output tab to inspect each panel individually when working with tiled graphics.



## 5 Generating output files

Fiery Prep-it will generate print and cut ready output that helps you optimize and speed up your production. Each job or nesting output generated through Fiery Prep-it will be output into

- 1) *PDF file for printing and Cutting*

or

- 2) *PDF file for printing with corresponding AI file for cutting*

The output is generated using Adobe's PDF library technology to ensure highest possible compatibility with regards to the graphic design, print and vector formats.

### 5.1 Sending output directly to Fiery Software

Fiery Prep-it has direct connection to Fiery Software. When connected, you can direct the output PDF to and benefit from a streamlined and fully automated workflow.

#### GENERATE FILES

Selected 1 of 1	Output
	<p>File name <input type="text" value="bear"/></p> <p>Output sizes <input type="text" value="565.6 mm x 405.1 mm"/></p> <p>Send print file to <input type="text" value="My System"/></p>

Output Size

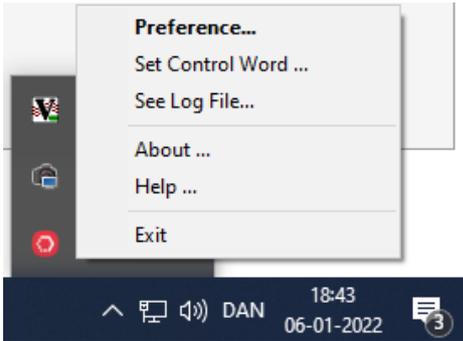
	<input type="text" value="563,0"/>	X	<input type="text" value="367,5"/>	mm
	<input type="text" value="565,6"/>	X	<input type="text" value="405,1"/>	mm

## 6 Working with Hotfolders and Automation

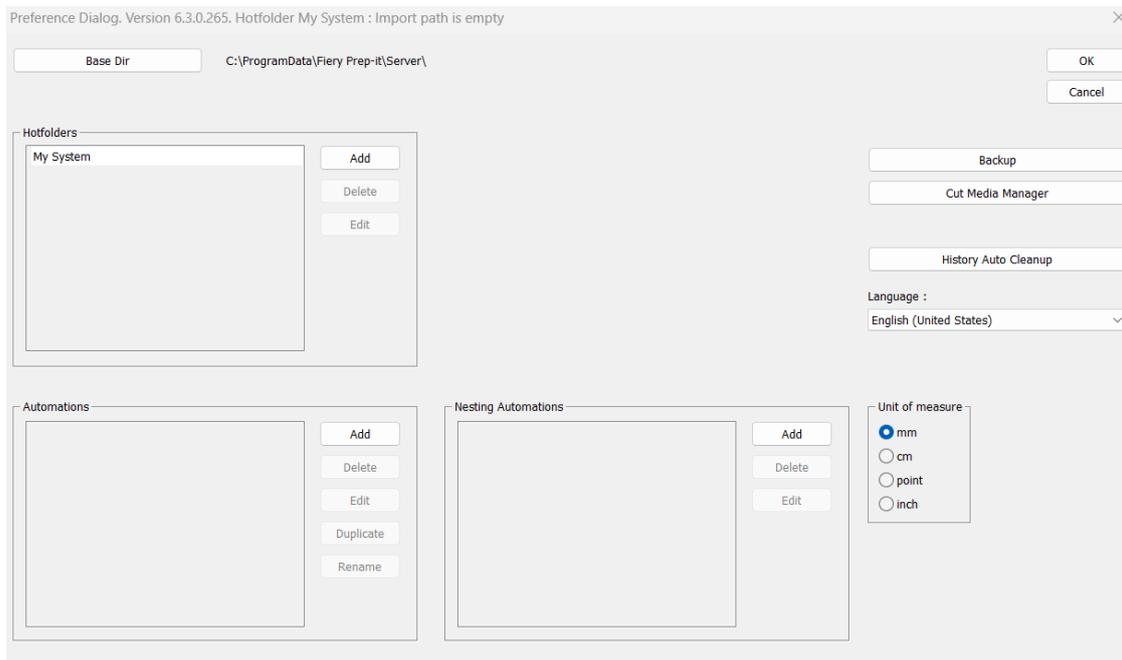
Besides importing files directly from the Job Queue, Fiery Prep-it can also be setup to import files through Hotfolders.

### 6.1 Hotfolders

You can setup one or more hotfolders and share them across the network. To setup a Hotfolder, go to the *Fiery Prep-it Server icon* and right+click to open *preference*.



Here, you can *Add* a new Hotfolder or *Edit* and existing Hotfolder.

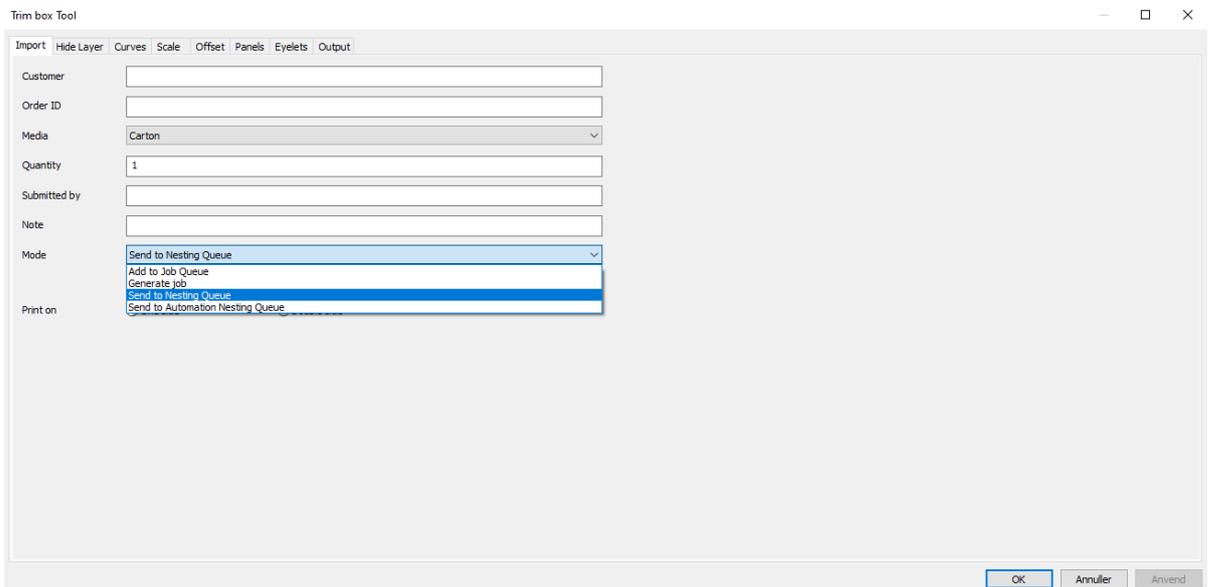


## 6.2 Automation – the concept

A flexible and scalable automation system is available in Fiery Prep-it. It allows users to create automations and use them in three different levels. Either with active Hotfolders, manually in the Fiery Prep-it program and with more advanced scripting integration. This way you can benefit greatly by creating numerous short-cuts saving time and efficiently expand business.

- a. Automate using active Hotfolders
- b. Use automations with 'File Import' into Fiery Prep-it
- c. Connect Fiery Prep-it with other workflows using scripting (.json)

## 6.3 Create and edit automations



Setting up automations is done through the Server preference dialog. Simply click through the individual tabs and enter the relevant values.

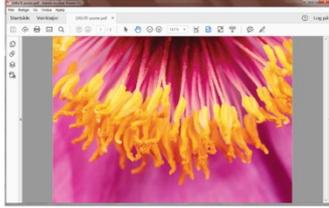
### Possible automations

File Import	Files formats that can be opened into Fiery Prep-it.	PDF JPG TIF PNG BMP
Apply Media profile	Selects the media profile from the Media Manager list and applies it to the imported file.	Acrylic Alu-composites Foamed PVC Plastics Self-adhesive vinyl Wood ...

Hide layer(s)	Define one or more PDF top-level layers to be hidden from the PDF print output file.	Cut Crease ...
Curve extraction	Define which vector data to be used for cutting.	Trim Box Page Size Layer Name Spot Color Name CutContour ...
Curve layer mapping	Define which vectors to be cut with what tools / layers within Prep-it Media profile	Through Cut Kiss Cut Crease ...
Curve handling	Define joining of open curves, define merging of overlapping curves and define if optimize cut order or leave as designed.	Join curve together Merge curve together Select method for cut order
Double sided	Define multipage PDF's are to be prepared for 2-sided processing.	Multipage PDF for 2-sided printing
Scale	Define a scale factor or a fixed size to apply on files.	Scale factor Fixed Size (WxH)
Offset	Create and define inline and outline for the selected vector data.	Inline Outline
Create image bleed	Define and specify bleed outside rectangular vector data.	Width (creates the bleed with a new 'scale&crop' function)
Panels	Define tiling of jobs with regards to sizes of panels, overlap and gap settings.	Panel sizes Overlap Gap Extra white area
Eyelets	Define placement of eyelets in jobs.	Position (L, R, T, B) Distances
Registration mark	Define registration mark insertion method.	Placement strategy Size Distance between marks
Barcode	Define type of barcode and placement strategy.	Type Placement strategy Size
File processing	Define file processing such as 'Add file to Job Queue', 'Send to Nesting' or 'Generate file Output'.	Add file to Job Queue Send file to Nesting Generate File Output Send file to Auto Nesting

Examples of automation tasks:

100 x 70 cm posters



Select Trim Box, Create Image Bleed, Place Registration Marks and Barcodes, Generate Output to Fiery Software.

### Select media + Select direct output

Import Hide Layer Curves Scale Offset Panels Eyelets Output

Customer

Order ID

Media **Plast 0.2-1 mm UCT**

Quantity

Submitted by

Note

Mode **Generate job**

Print on  One side  Double side

### Define scale + bleed

Import Hide Layer Curves Scale Offset Panels Eyelets Output

Scale

Fixed

Width

Height

Force Image Bleed

### Select TrimBox

Import Hide Layer Curves Scale Offset Panels Eyelets Output

CurvesTab\_CutOrder **Fastest CutOrder**

Join Curves In Layer

Merge Layers

Actions

Move specific layer "TrimBox" to "Through Cut"

Type **Move specific layer to media layer**

From Layer **TrimBox**

Move to Layer **Through Cut**

Fall if no curves are moved

### Select output settings

Edit HotFolder

Device Name **17100**

Deactivate HotFolder

Import

Directory **D:\In\Thrive\**

Output

Directory **D:\Thrive\2Beta\input\Oce Arizona 1200 GT\**

Generate Orpx Color Connection Filter Files (.ccs)

Insert scale in Orpx file

Select **Trimbox with bleed**

Orpx Settings

Quick set **none>**

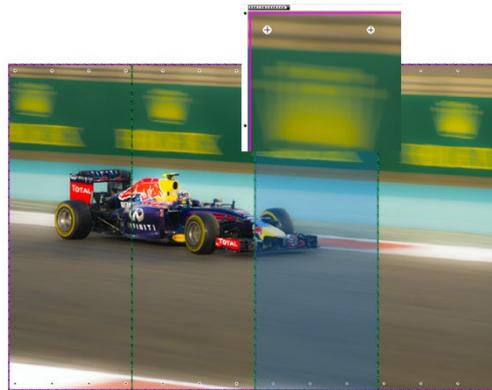
Media group **1280\_OrpxKcmSS\_257\_V2**

Media name **1280\_OrpxKcmSS\_257\_Express**

Media size **800x1050**

Quality **Express**

## Tiling applications

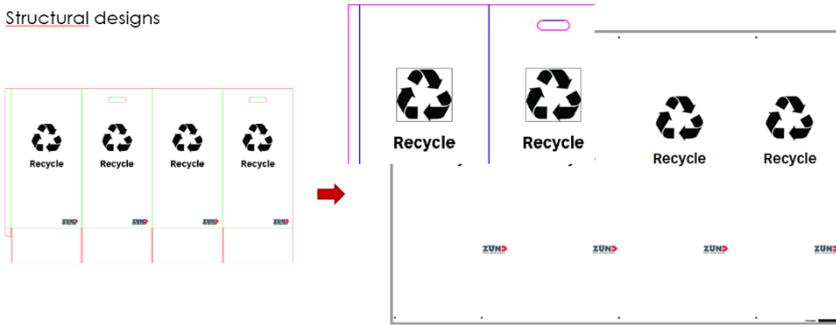


Select Spotcolor, Split job into Tiles, Insert Eyelets (Top + Bottom), Place Registration Marks and Barcodes, Generate Output.

## Specify tiling parameters

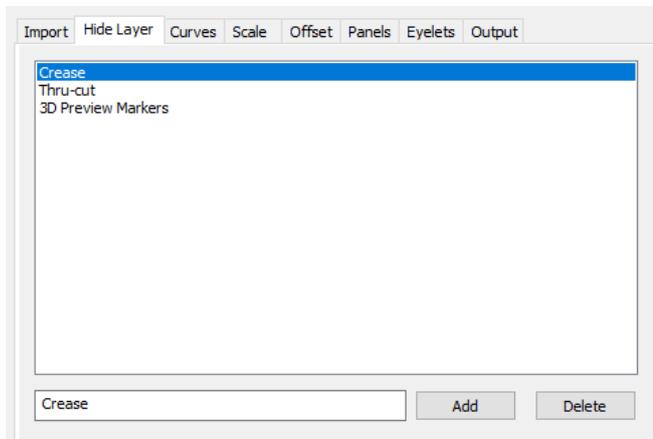
## Overlap, Gap, Extra White, Bleed, Eyelets..

Structural designs

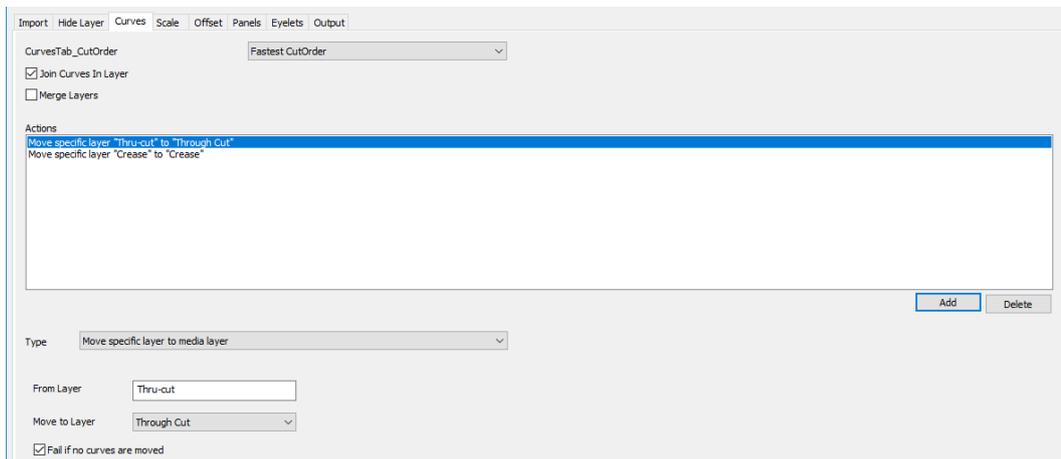


Select Layer Names and assign to Corrugated E-Flute, Hide PDF Top-Level Layers (Cut and Crease), Send to Nesting Queue.

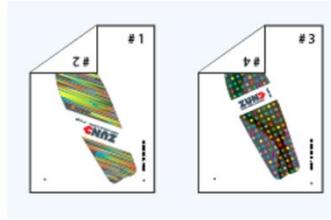
Define the layers to be hidden in the print output



Select Cut and Crease layers and assign to media layers



## Double-sided applications



Import Multipage PDF's,  
Select Spotcolor, Place  
Registration Marks and  
Barcodes, Generate 2-  
page Output PDF's.

## Select Media + print on Double Side

Import Hide Layer Curves Scale Offset Panels Eyelets Output

Customer

Order ID

Media

Quantity

Submitted by

Note

Mode

Print on  One side  Double side

## Extract specific Spotcolor name and assign to media layer

Import Hide Layer Curves Scale Offset Panels Eyelets Output

CurvesTab\_CutOrder

Join Curves In Layer

Merge Layers

Actions

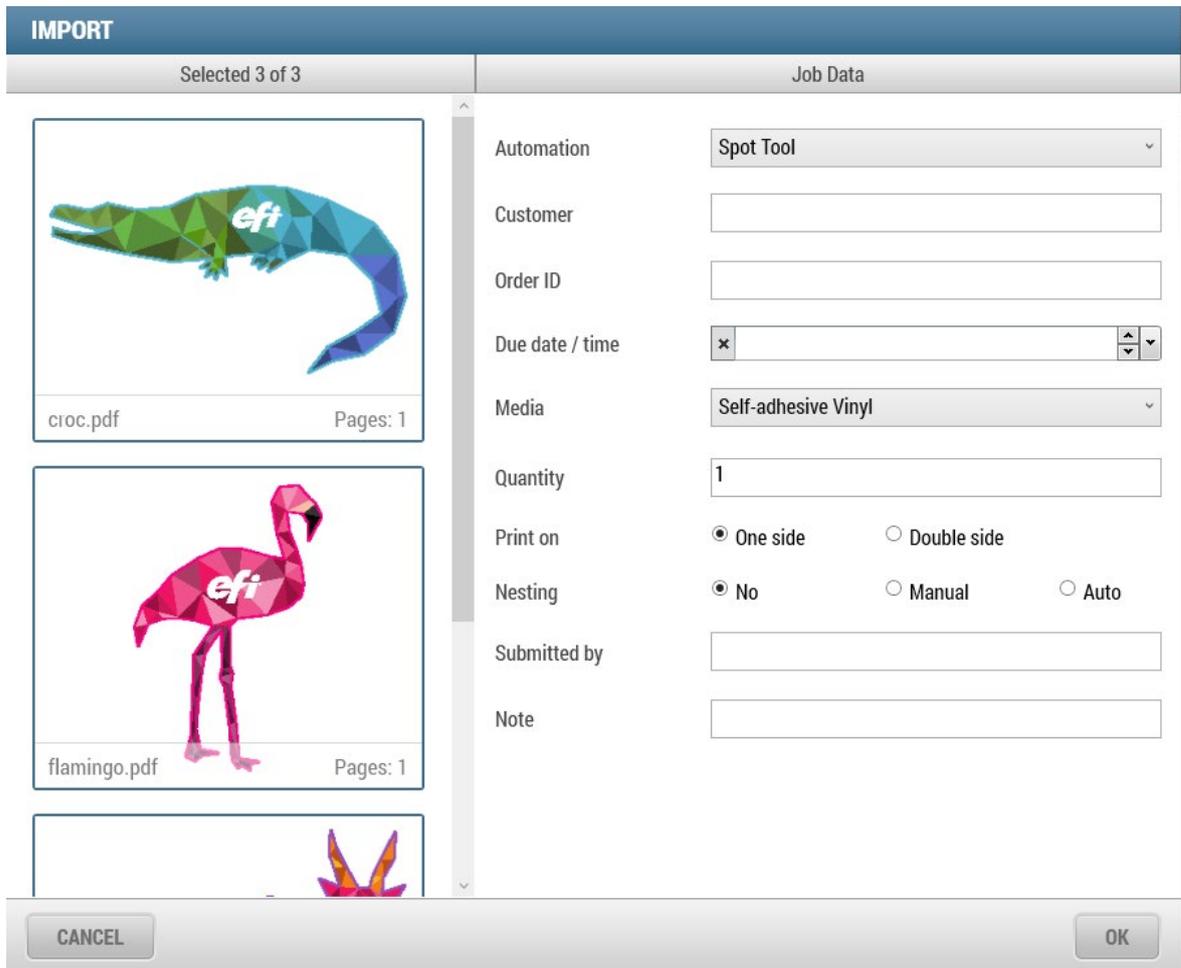
Type

Spot Colour

Move to Layer

Fail if no curves are moved

## 6.4 Using the automations with File Import



The automations are available from the 'File Import' dialog allowing the user to apply Fiery Prep-it actions/automations to one or more files already at time of import. The files will then be prepared according to the preset automation selected and appear "Green" = Ready for processing into the 'Job Queue' respectively 'Nesting Queue'. Creating and applying automations will help to reduce prepress tasks significantly and thereby improve the overall efficiency.

Simply select your file(s) and choose automation from the dropdown menu in FILE IMPORT-dialog.

Example of automation tasks:

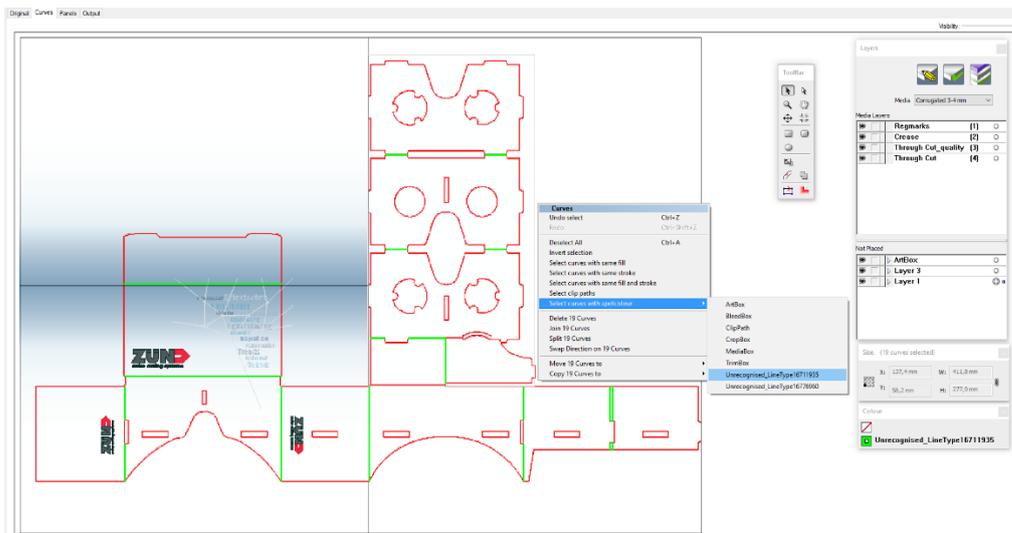
Structural design files from a CAD software (ERPA, Artios, Impact, Engview, ZDC ...) typically arrives in the printshop with cut and crease lines on top of the graphics, layers are named differently.

The tasks could be to:

Open files one-by-one and prepare manually ...

JOB QUEUE			
	File Name	Media	Automation Name
!	Erpa-bookcase.PDF	Corrugated 3-4 mm	
!	Erpa-diamond.PDF	Corrugated 3-4 mm	
!	VR well glasses.PDF	Corrugated 3-4 mm	

Having to select the same media, find the same curves etc. in Fiery Prep-it Editor for each file..



With Fiery Prep-it – create an ‘Automation’ that does above prepress actions and launch it directly from the File Import dialog.

The files will appear ready in the Job Queue seconds later...  
 ... and just one click on Generate to create output files

JOB QUEUE			
	File Name	Media	Automation Name
✓	Erpa-bookcase.PDF	Corrugated 3-4 mm	
✓	Erpa-diamond.PDF	Corrugated 3-4 mm	
✓	VR well glasses.PDF	Corrugated 3-4 mm	

**GENERATE FILES** ➔

## 6.5 Combining Prep-it automation with other workflows

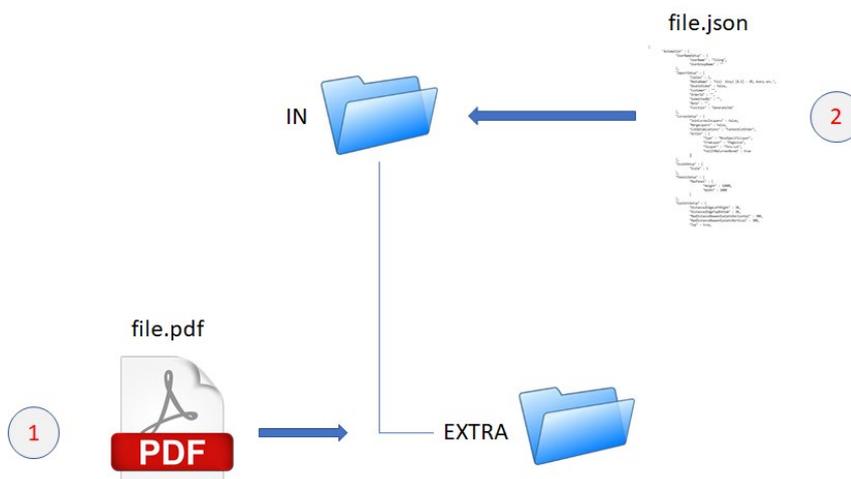
Each automation created saves an “.json” script onto the hard drive. This script can be used / altered or even completely written by another software. This way workflows could be tailored to a specific customer demand with local resources at a minimum cost.

```
{
  "Automation" : {
    "UserNameSetup" : {
      "UserName" : "Tiling",
      "UserGroupName" : ""
    },
    "ImportSetup" : {
      "Copies" : 1,
      "MediaName" : "Foil Vinyl [0.5] - 3M, Avery etc.",
      "DoubleSided" : false,
      "Customer" : "",
      "OrderId" : "",
      "SubmittedBy" : "",
      "Note" : "",
      "Function" : "GenerateJob"
    },
    "CurvesSetup" : {
      "JoinCurvesInLayers" : false,
      "MergeLayers" : false,
      "CutOptimizations" : "FastestCutOrder",
      "Action" : {
        "Type" : "MoveSpecificLayer",
        "FromLayer" : "Pagesize",
        "ToLayer" : "Thru-cut",
        "FailIfNoCurvesMoved" : true
      }
    },
    "ScaleSetup" : {
      "Scale" : 1
    },
    "PanelsSetup" : {
      "MaxPanel" : {
        "Height" : 3200,
        "Width" : 1000
      }
    },
    "EyeletsSetup" : {
      "Distance2EdgeLeftRight" : 30,
      "Distance2EdgeTopBottom" : 30,
      "MaxDistanceBetweenEyeletsHorizontal" : 300,
      "MaxDistanceBetweenEyeletsVertical" : 300,
      "Top" : true,
    }
  }
}
```



Example of automation tasks:

A ‘Web-to-Print solution’ – receives files and sends them to a ‘Preflight-solution’ that creates/edits a Fiery Prep-it .json script that processes the files for both printing and cutting.



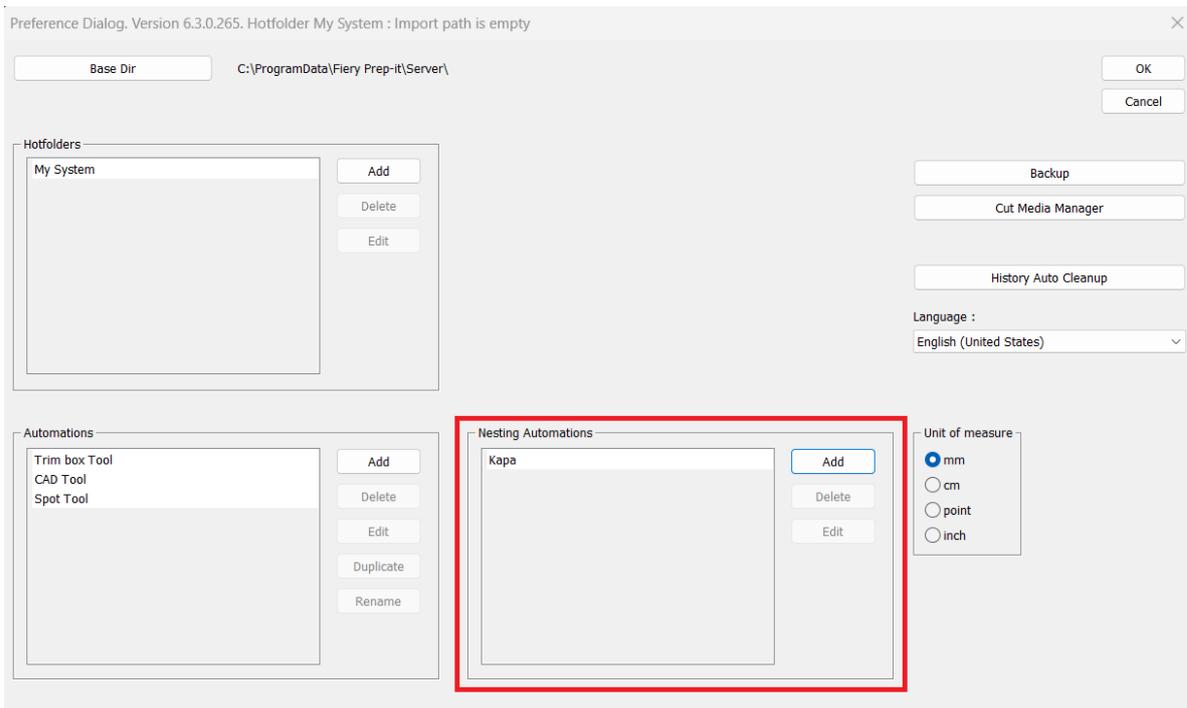
Important to first place the PDF into the EXTRA folder, then secondly place the JSON-script into the IN folder (one file level above). And be sure to name both PDF + JSON files with identical name; **file.PDF** and **file.JSON**.

All automations follow the normal Fiery Prep-it workflow known from working manually with the user interface. Jobs submitted to Hotfolders for automation appears into the Queue system as if it were being processed manually. The advantage is that jobs via Hotfolders could be nested with other jobs manually processed. Furthermore, if a job fails to be processed automatically, the job will appear in the Job Queue marked “Yellow” = to be assisted by a user and with a relevant message in the “Automation Error” column.

JOB QUEUE				
	File Name	Media	Automation Name	Automation Error
!	5-page.pdf5 5.pdf		2-page in og ud	Job is single sided
+	3 stk-1 .pdf3 3.pdf	Acrylic 10 mm (Polisher) 1KW	auto test out	Job is single sided

## 6.6 Auto nesting

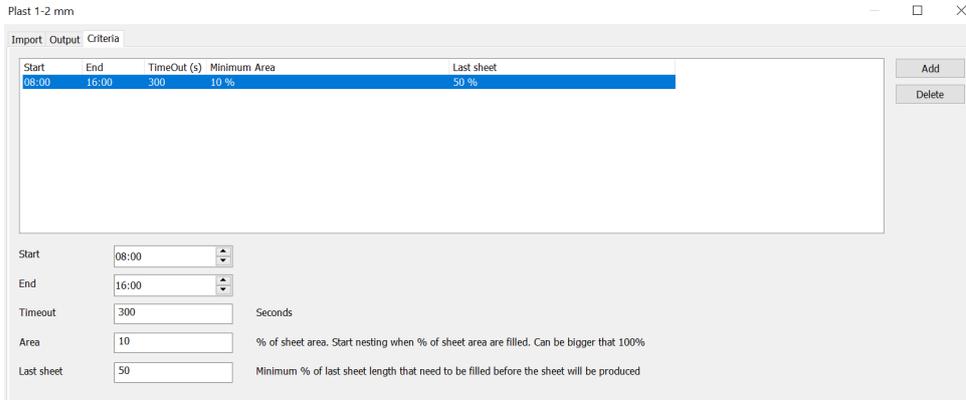
Setup Fiery Prep-it Server to automatically generate nesting file output based on user-defined criteria. With this feature many tasks and monotone actions can be fully automated and help SAVE time. Certain jobs may not need to be opened in Fiery Prep-it at all but could pass through without operator interventions.



Fiery Prep-it Server preference dialog.

Auto nesting can be used in combination with manual interventions from the Fiery Prep-it user interface or via hotfolder setup automations!

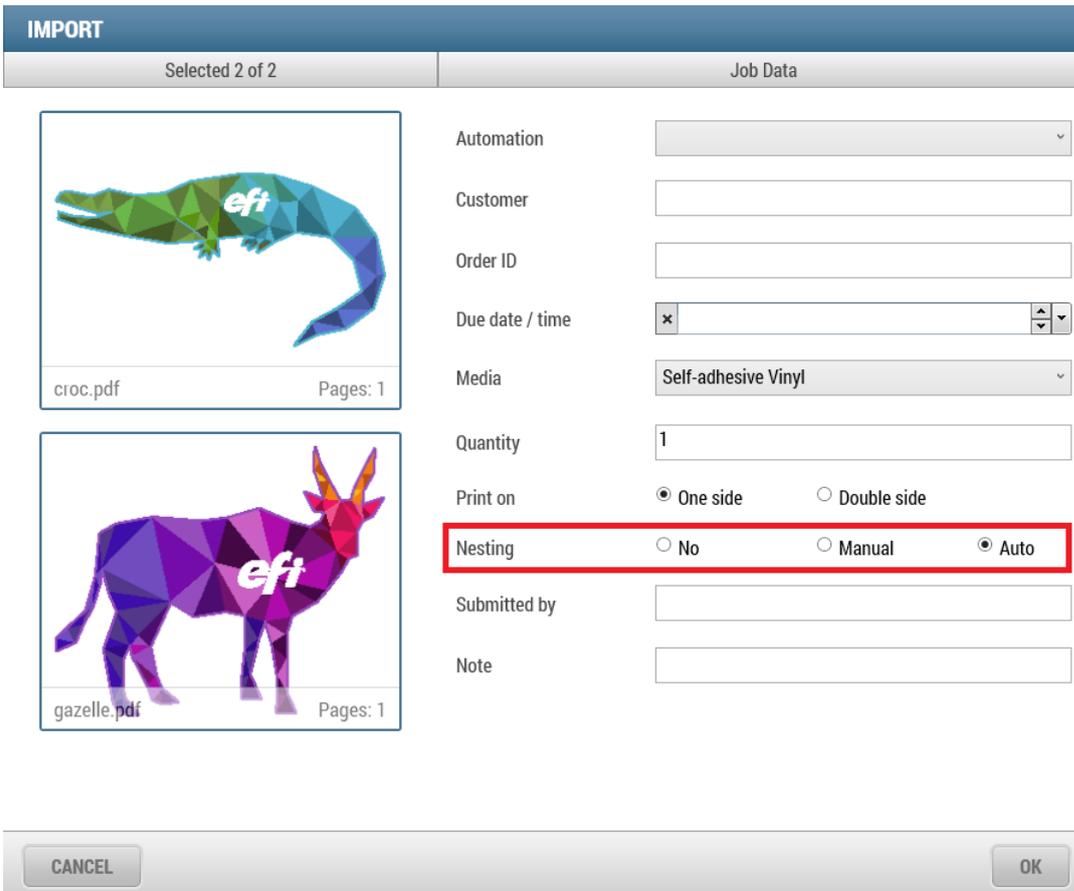
Flexible nesting criteria for individual customer requirements are possible.



The nesting criteria are based on a combination of:

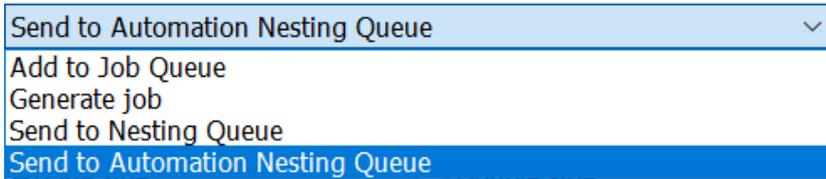
- Time and timeout
- Area / material utilization
- Last sheet

The 'File Info' dialog in Prepress reflects the three choices available with regards to nesting.



Select AUTO to allow to carry out nesting automatically based on the criteria setup on the Server.

Or select 'Send to Auto nesting' when setting up your 'Automation' actions on the hotfolder from the Fiery Prep-it Server Preference dialog.



Jobs for auto nesting will appear in the Nesting Queue. Here status is displayed for each media / material:

- next action takes place at time (e.g. 08:42)
- area percentage currently in queue
- required percentage to be present before nesting starts

▼ Plat 1-2 mm		1,455 m <sup>2</sup> 4 files / 40 objects			0,46 m <sup>2</sup> 1 files / 12 objects		Next action at 08:42	47%	10%
File Name	Customer	Qty	Due date / time	Submit Date	Submitted By	Order ID	Note	Rotation	Dimension
151.PDF	Flourlux	10		16-08-2019 10:04			Note3	180° 45°	250 mm * 90 mm
20 stk.PDF	J0 Safety	12		16-08-2019 09:57			Note1	180° 45°	200 mm * 200 mm



Job symbol for 'Manual nesting'

Job symbol for 'Auto nesting'