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This document summarizes new features and enhancements that are part of the version 14 of Imp software from InSoft Automation Pvt. Ltd., Chennai, India.

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Innovation at its core! At InSoft Automation, innovation is a commitment. With every product/version, we endeavor to deliver solutions that solve your problems and improve your workflow. We're excited to announce the release of Version 14 of our flagship product, **Imp**. The industry-leading cost-based layout planning software, Imp, now comes with many new features. These enhancements boost ease of integration, efficiency, and functionality, empowering users like never before.

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IMP CMD (COMMAND LINE INTERFACE)



What is ImpCmd Tool?

ImpCmd is a command-line interface (CLI) tool located in the Imp installation folder. Integrators can use the ImpCmd tool to orchestrate and execute tasks via the command line. ImpCmd is a chargeable option.

ImpCmd Interface

```
c:\InSoft Automation\Imp14 > ImpCmd.exe c:\flow.xml c:\project.pdt
```

This tool accepts two command-line parameters. The first parameter is the file path of the XML file that defines the flow (series of actions) to be executed. The second parameter is the PDT (product) / PDF / CAD / PPXML file, which will be loaded by the first action in the flow.

What is Flow XML?

A flow is a sequence of actions that can be performed by ImpFlow. The application ImpFlow provides a GUI to build this flow along with the option to export it to an XML file. The primary purpose of this XML is to allow integrators to be able to dynamically generate workflows that Imp, ImpFlow, ImpCmd or ImpCoreAPI can execute over any product, XML or PDF file. If an XML works with ImpFlow GUI, it will work with the ImpCmd too.

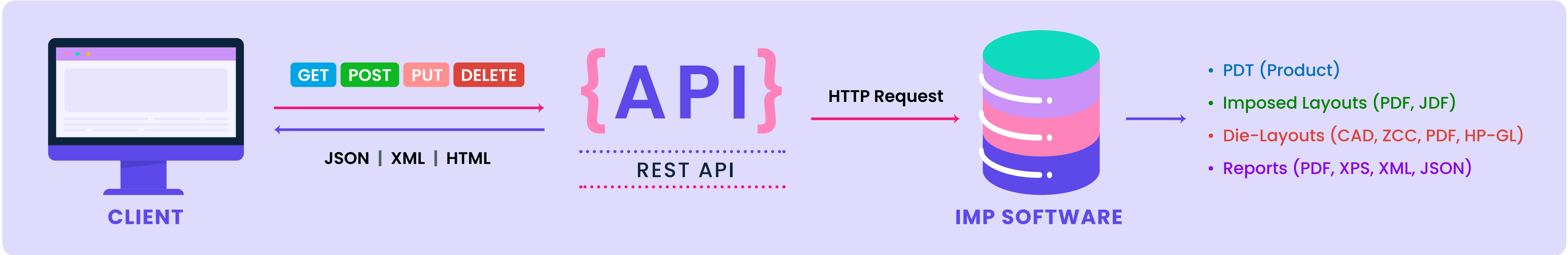


Tip: Use the ImpFlow.exe GUI tool to visually design the sequence of actions (along with their parameters) that you want the Imp software to execute. Then, export the sequence as a Flow XML file from the application. Later, for each execution, you may only need to modify a few attributes in this XML file.

Thread limit

The ImpCmd tool requires a special license for use, which allows 'N' parallel instances of ImpCmd to run on a system. If this limit is reached, any new ImpCmd instance will wait for one of the currently running instances to finish and terminate before starting its own computation. The number of parallel ImpCmd instances is also limited by the system's number of cores. If the system has N cores, only N-1 instances will run concurrently, even if the license permits more. Therefore, when purchasing the ImpCmd license, consider the number of cores on the system where it will be used.

REST BASED API



```
C:\WINDOWS\system32\cmd. x + v
C:\InSoft Automation\Imp14\Scripts\ImpConfig REST API>..\..\ImpConfigAPI.exe --urls http://localhost:8022
info: Microsoft.Hosting.Lifetime[14]
      Now listening on: http://localhost:8022
info: Microsoft.Hosting.Lifetime[0]
      Application started. Press Ctrl+C to shut down.
info: Microsoft.Hosting.Lifetime[0]
      Hosting environment: Production
info: Microsoft.Hosting.Lifetime[0]
      Content root path: C:\InSoft Automation\Imp14\Scripts\ImpConfig REST API
```

```
C:\WINDOWS\system32\cmd. x + v
C:\InSoft Automation\Imp14\Scripts\ImpCore REST API>..\..\ImpCoreAPI.exe --urls http://localhost:8020
info: Microsoft.Hosting.Lifetime[14]
      Now listening on: http://localhost:8020
info: Microsoft.Hosting.Lifetime[0]
      Application started. Press Ctrl+C to shut down.
info: Microsoft.Hosting.Lifetime[0]
      Hosting environment: Production
info: Microsoft.Hosting.Lifetime[0]
      Content root path: C:\InSoft Automation\Imp14\Scripts\ImpCore REST API
```

There are two **HTTP based REST API** services that can be used to automate and orchestrate Imp software. It is a powerful and flexible way to automate Imp with support from all modern programming languages. The services are fully documented with live interactive web client and comprehensive Open API (Swagger) documentation.

1. **ImpConfig REST API:** This service can be used to manipulate the configuration data of an Imp installation. One can accomplish things like fetching or adding materials, sheet sizes, machines etc. to the Imp configuration data on that system.
2. **ImpCore REST API:** This service can be used to get some tasks done by Imp. Tasks like creating a product from CSV/XML/PDF, calculating layouts, exporting imposition PDF/JDF etc. can be accomplished using this API.

For complete documentation, licensing and costs, please contact your InSoft representative.

NEW MARKS

NEW VARIABLES TO PROGRAM AUTOMATED BINDERIES

Imp software can now generate marks such as data matrix codes with information required for universe web book sewer. Below is the table detailing different variables required in the data matrix and the new mark variables added to V14. As these data matrix codes use fix length of each mark variable, the length of a numeric mark can now be set by adding **dx** after the mark name - value of **x** can be set between 1-9:

Sheet 5/5, Signature 7/7, 100000AA

|||||



AAAAAAAABBCCDDDEEGGKKKK

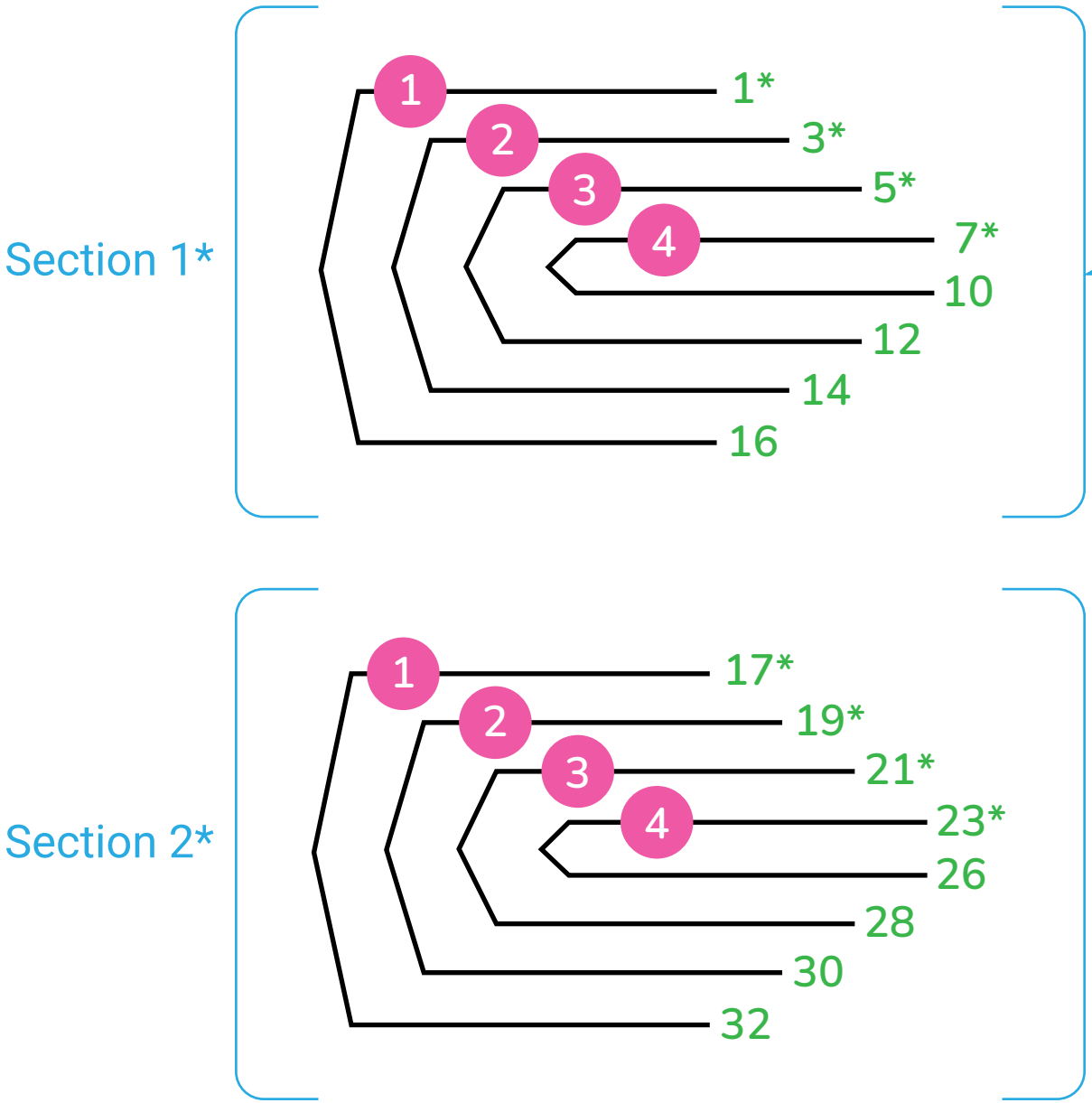
FIELD	LENGTH	FORMAT	FROM	TO	DESCRIPTION	MARK VARIABLE NAME IN IMP V14
AAAAAAAA	8	Alphanumeric	1	8	Job ID	<<Product.ID>>
BB	2	Numeric	9	10	Number of the sheet in the current signature (01-16)	<<Collection number-reversedd2>>
CC	2	Numeric	11	12	Total number of sheets making up the signature (01-16)	<<Section.SignatureCountd2>>
DDD	3	Numeric	13	15	Number of the signature in the current book (001-230)	<<Section.Numberd3>>
EEE	3	Numeric	16	18	Total number of signatures making up the book (001-230)	<<Job.SectionCountd3>>
GG	2	Numeric	19	20	Max number of sheets per signature in the stack / reel (01-16)	<<Job.MaxSectionDepthd2>>
KKKK	4	Numeric	21	24	Total number of sheets making up the current book	<<Job.SignatureCountd4>>

As these data matrix codes use fix length of each mark variable, the length of a numeric mark can now be set by adding **dx** after the mark name - value of **x** can be set between 1-9 to set the length of the mark. Also, **dx** works for all numeric marks available in Imp’s page level, signature level and layout level.

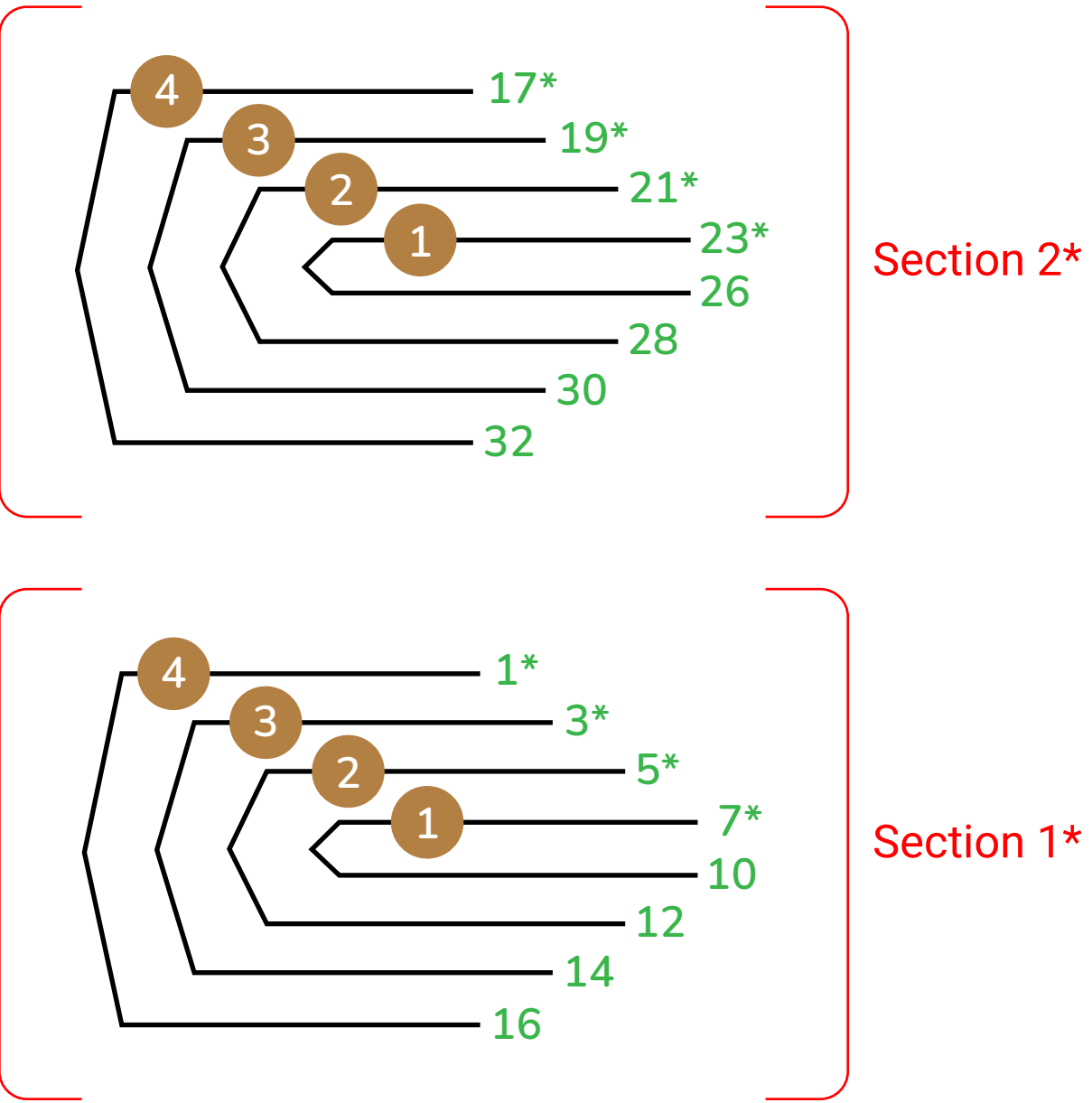
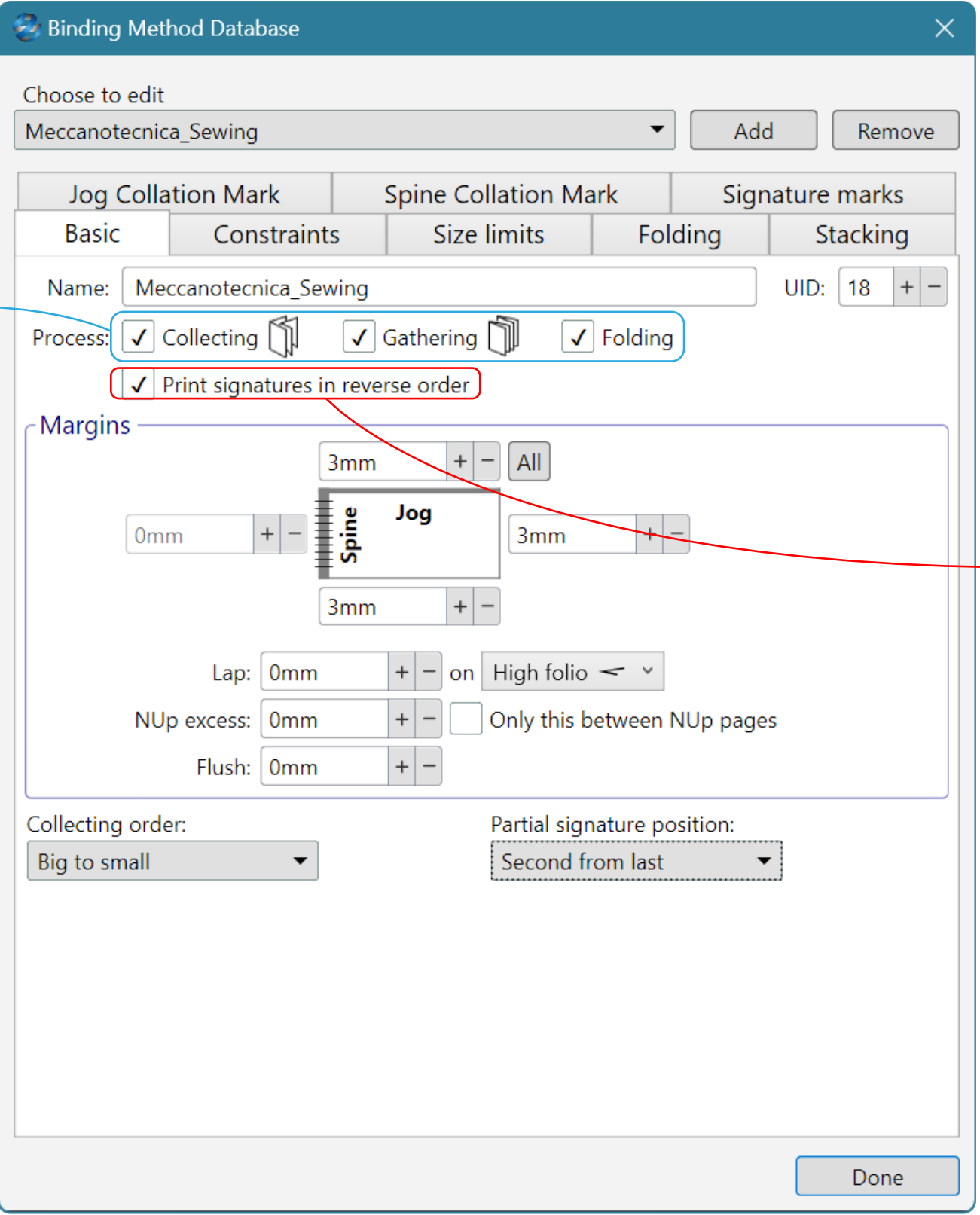
NEW MARKS

COLLECTION NUMBER AS PER BINDERY REQUIREMENT

The mark variable **BB** used in the data matrix code needs to be generated as per the order of the signature collection on the bindery. When Imp plans a bound job, the signatures are collected as per binding method settings. For printing the collecting order is always 1 for the outermost signature and “n” for the innermost signature. In below example of four signature collecting, the collection number assigned for outermost signature will be 1 and innermost signature will be 4. When the printed roll is fed into the bindery, the signature collection order will be reversed, the 4th signature at the time of imposition will be 1st at the binding stage. To ensure these signature collection numbers are generated as per bindery requirement, **<<Collection number-reversed>>** should be used in the marks.



- * Each 4-page leaf is called “Signature”
- * Collection of multiple signatures is called “Section”
- Collection number as per imposition order

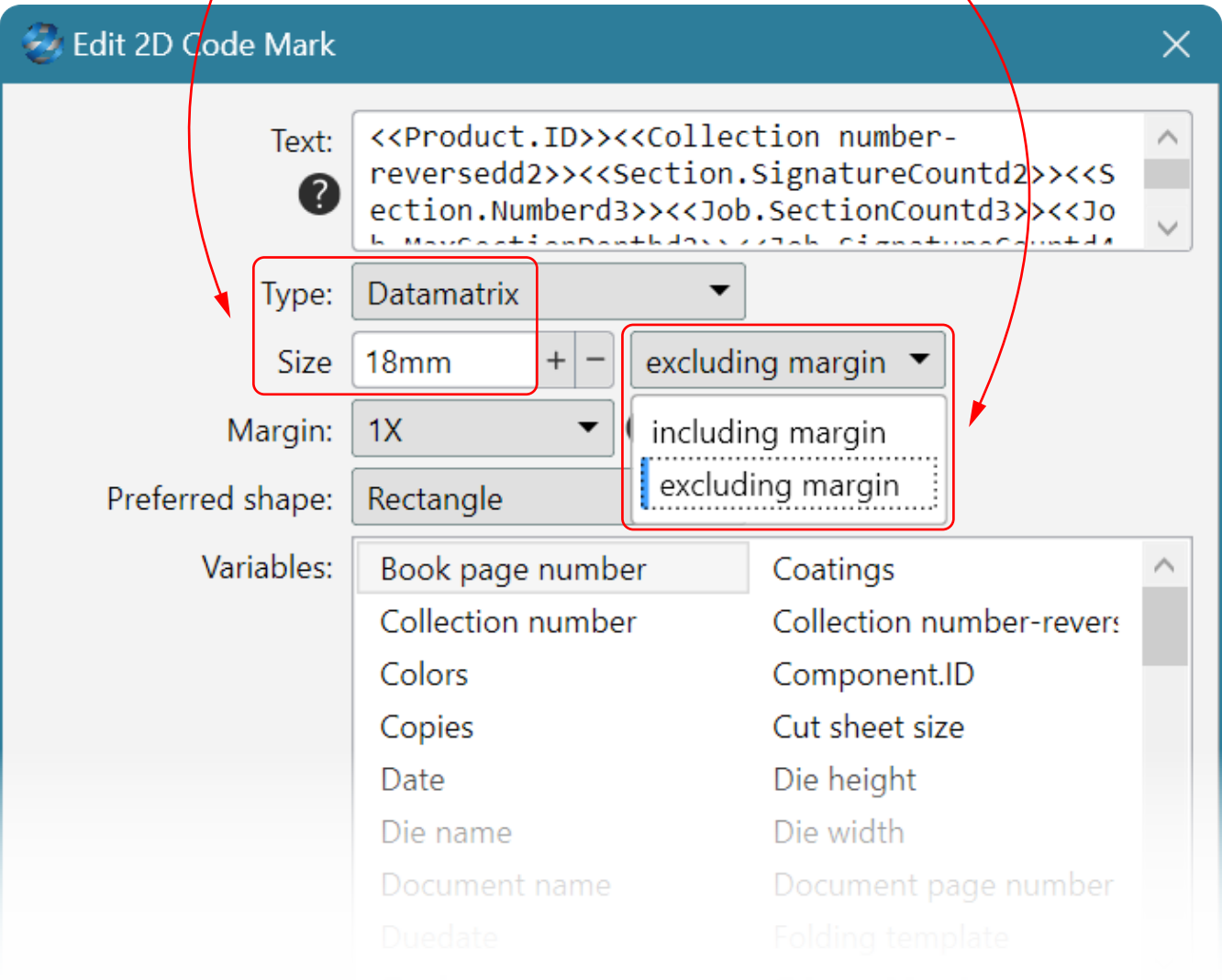


- * Reverse order of signatures in the final imposed file
- For correct collecting order on the bindery the collection numbers are generated in reversed when **<<Collection number-reversed>>** variable is used in the marks

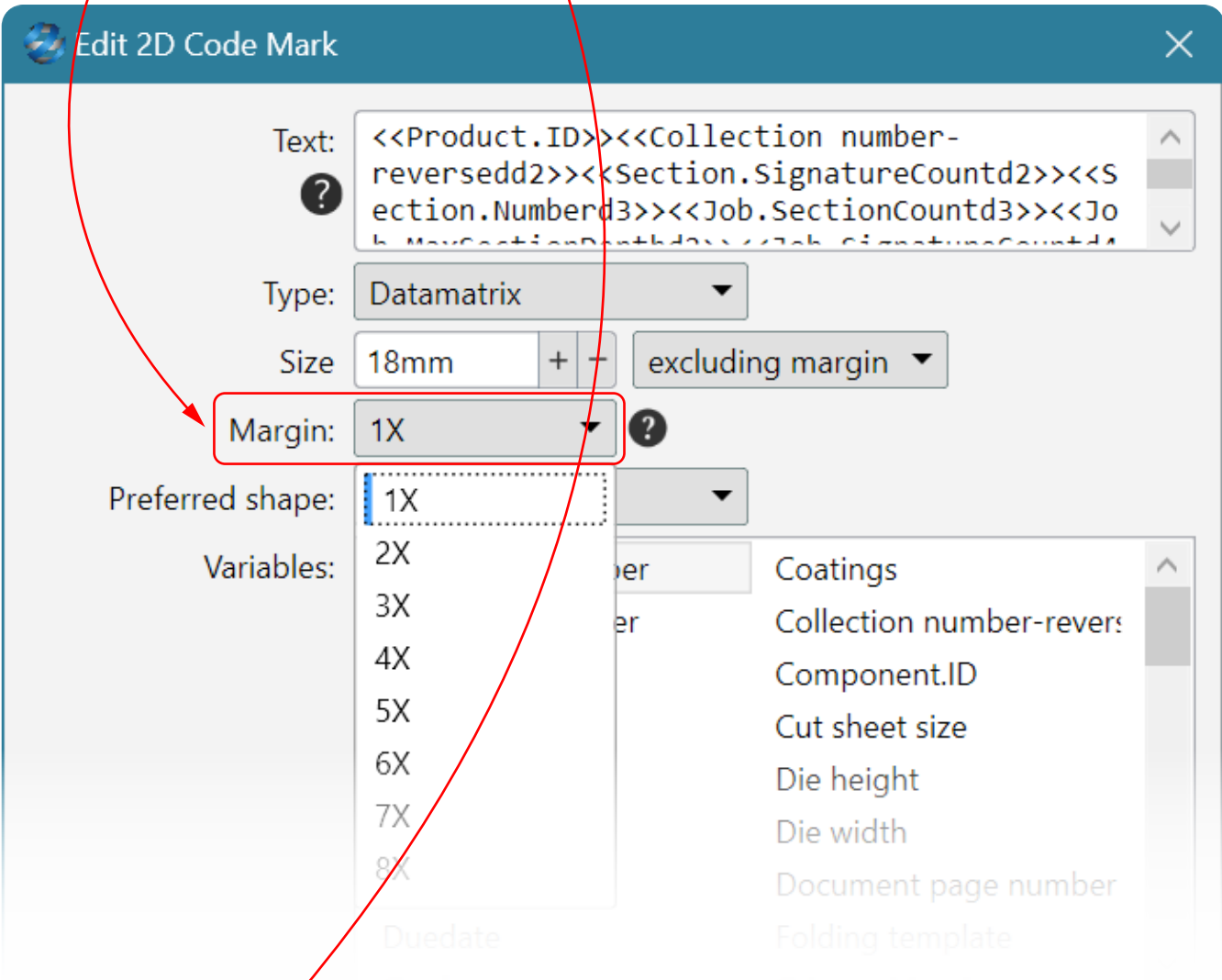
NEW MARKS

MORE CONTROLS TO DEFINE A DATA MATRIX CODE

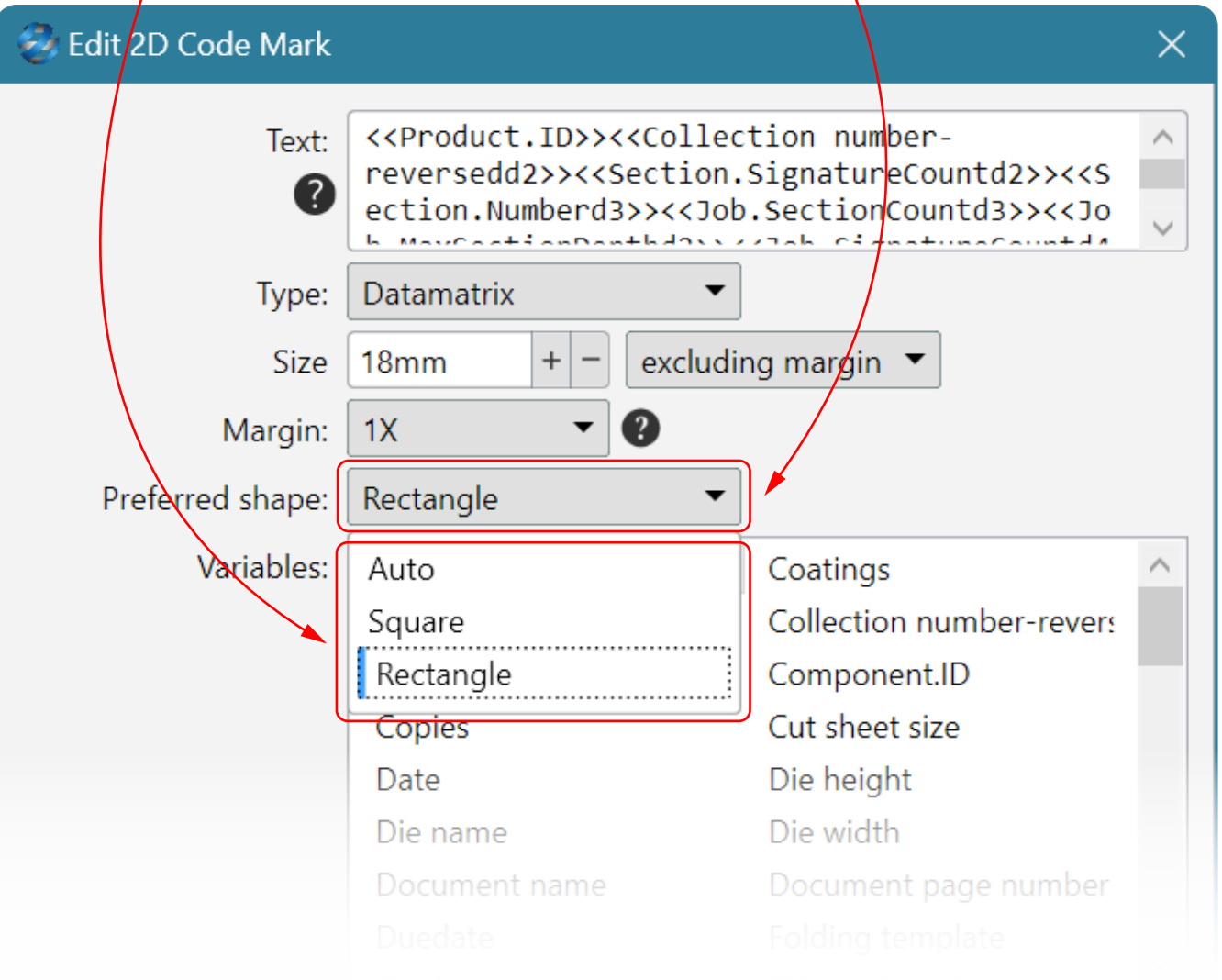
The data matrix codes now come with more controls. User can now define the “size” of code “including” or “excluding” margins (quite zone).



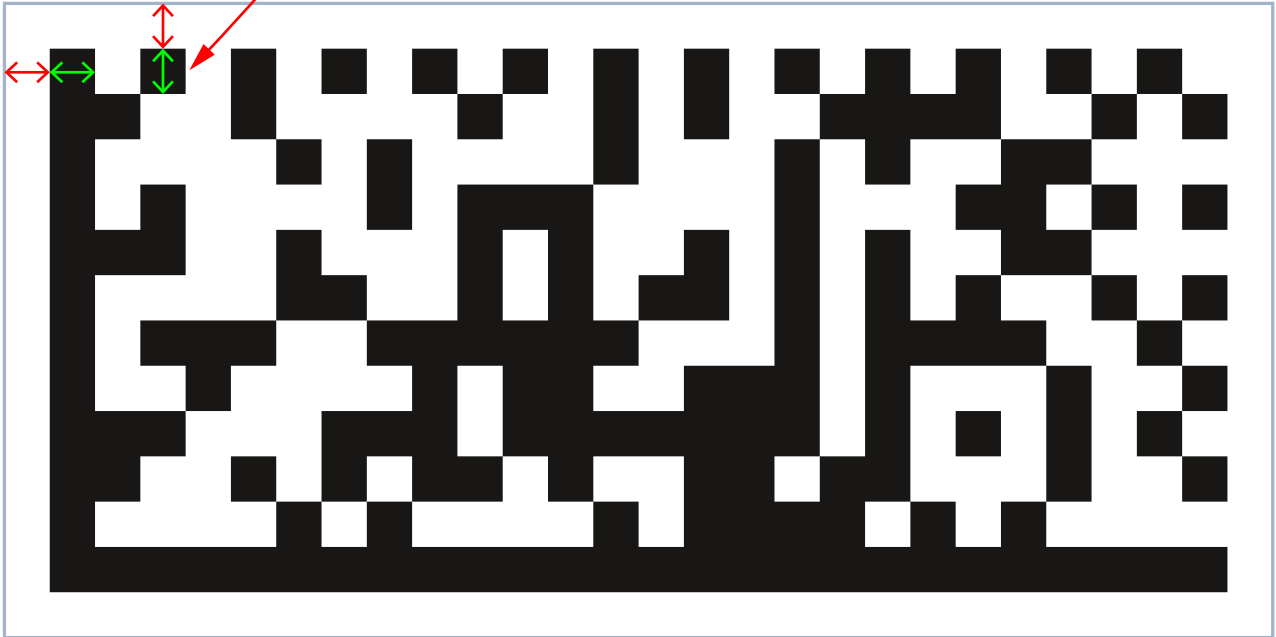
The margin (quite zone) around the data matrix code can now be set as 1X, 2X, 3X..... where X is the height/width of one square.



Now user can also define the preferred shape of data matrix code - Auto, Square or Rectangle.



Note: Only one dimension can be specified; the other dimension is automatically determined by the datamatrix code format, with each dot being square.



In the code red arrows are margin and green arrows are X.

NEW MARKS

INTERLEAVED 2 OF 5 CODE

Imp software now supports generating code interleaved 2 of 5 with checksum values..
Bar height & width and **quiet zone** can be defined as in below screenshot:

The screenshot shows the 'Edit Barcode Mark' dialog box. The 'Text' field contains a complex variable string: <<Product.ID>><<Collection number-reversedd2>><<Section.SignatureCountd2>><<Section.Numberd2>><<Job.SectionCountd2>>. The 'Barcode' dropdown is set to 'Interleaved 2 of 5'. The 'Bar height' is 11.38 pt, 'Bar width' is 1.4 pt (with a 'Dynamic...' link), and 'Quiet zone' is 7mm (with a 'Dynamic...' link). The 'Color' is black (K). The 'Variables' list includes Book page number, Collection number, Colors, Copies, Date, Die name, Document name, Coatings, Collection number-reversed, Component.ID, Cut sheet size, Die height, Die width, and Document page number. The 'Priority' is set to 'Overprint Page Content'. Buttons for 'Defaults...', 'OK', and 'Cancel' are at the bottom.

CODE 39

Imp software now also supports generating Code 39 upto 80 characters. **Bar height & width** and **quite zone** can be defined as in below screenshot:

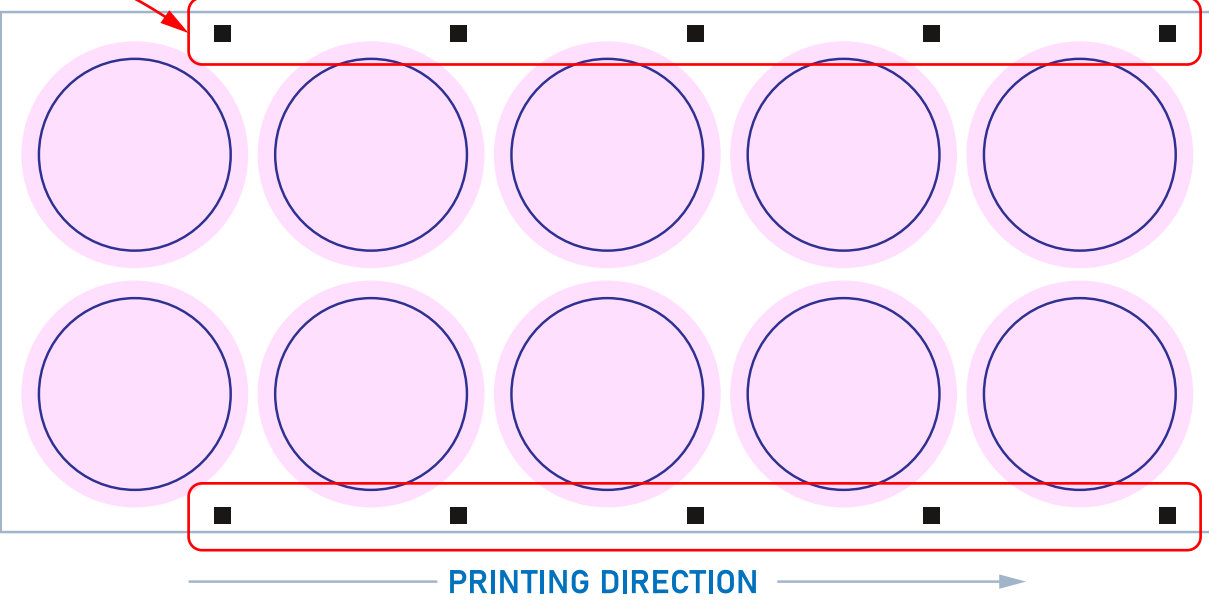
The screenshot shows the 'Edit Barcode Mark' dialog box. The 'Text' field contains the same variable string as the first screenshot. The 'Barcode' dropdown is set to 'Code 39'. The 'Bar height' is 10 pt, 'Bar width' is 2 pt (with a 'Dynamic...' link), and 'Quiet zone' is 2mm (with a 'Dynamic...' link). The 'Color' is black (K). The 'Variables' list and 'Priority' are the same as in the first screenshot. Buttons for 'Defaults...', 'OK', and 'Cancel' are at the bottom.

NEW MARKS UTILITY

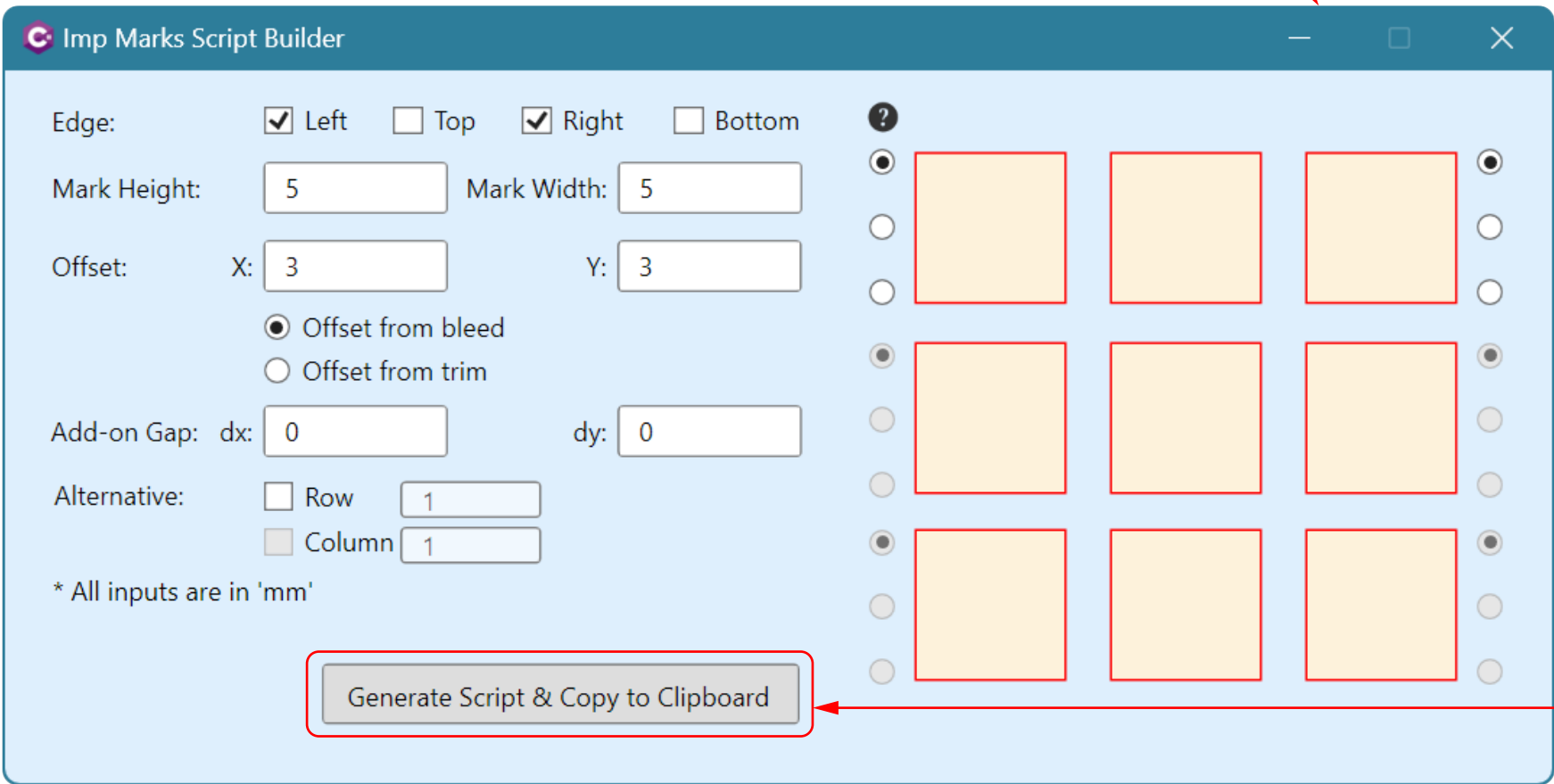
IMP MARKS SCRIPT BUILDER

Special marks, such as "Eye marks" or "Grommets" are placed at a specific offset from the trim or bleed box of each label.

These marks are generated using the "Scripted Marks" feature in Imp, with the scripts written in the C# programming language.



Since creating scripts for these marks requires knowledge of C#, users without programming experience faced limitations. To address this issue and make scripted marks easier to use, we have introduced a new utility in Imp version 14 called the "Imp Marks Script Builder". This tool allows users to generate scripted marks without needing C# programming knowledge.

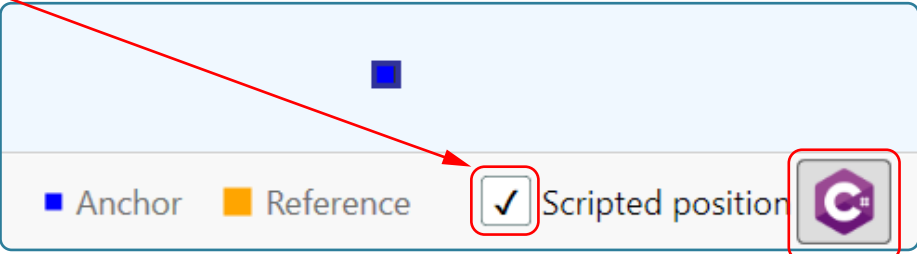


Installer download link: <https://bit.ly/421Ybtd>

After downloading the installer > right click the installer > properties > click "Unblock" if shown > Apply & OK > Now run the installer to install the utility.

Launch the utility and define the placement positions, size, offset, gap and other parameters > click on "Generate Script & Copy to Clipboard".

Now create a new marks template in Imp, add a geometry mark > select the mark > Click on "Scripted position" check box in the bottom.



Click on "C# Icon" to open the script UI. Select all and paste. This will paste the script generated by "Imp Marks Script Builder" and click OK. Save the marks template. Now this marks template can be assigned to printing or finishing device to apply scripted marks automatically on the layout.

For more information, please refer this help video: <https://bit.ly/40fixxL>



The marks in Imp software can be fully automated even if they are required at varying positions in different jobs in the same pool. The best example is banners with grommets. As size changes, number of grommets and repeat margin change as well. Now, this can be fully automated with new scriptable marks. Contact ravi@insoftautomation.com for more information on this.

NEW FEATURES - CONFIGURATION

NEW CONTROLS FOR COLLECTING & GATHERING FOR SECTION SEWING BINDERY

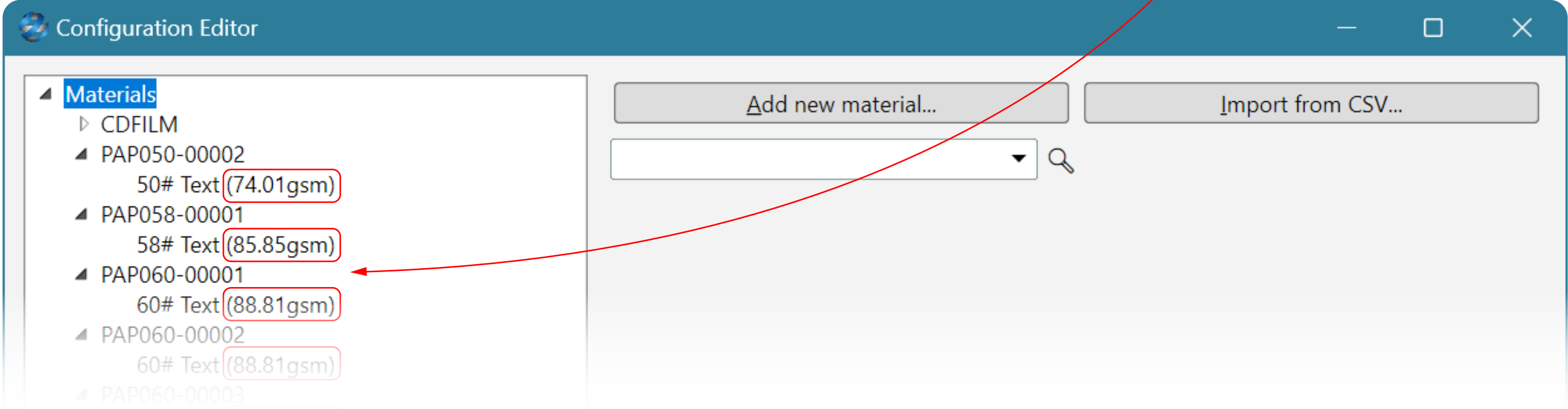
Section sewing binding needs minimum strength in the sections to hold to the thread used for fastening multiple sections together. This strength is given to sections by collecting multiple signatures. The limit to number of signatures that can be collected depends on the **section depth** (thickness) required on the bindery.

Imp software's binding methods has option to enter the minimum and maximum section depth. If the signatures on a particular print device are small and fail to reach the minimum section thickness, Imp software automatically collects multiple signatures to result in a section thickness compatible to binding method. For this to work, it is important to enter the thickness value of each paper grade in Imp accurately.

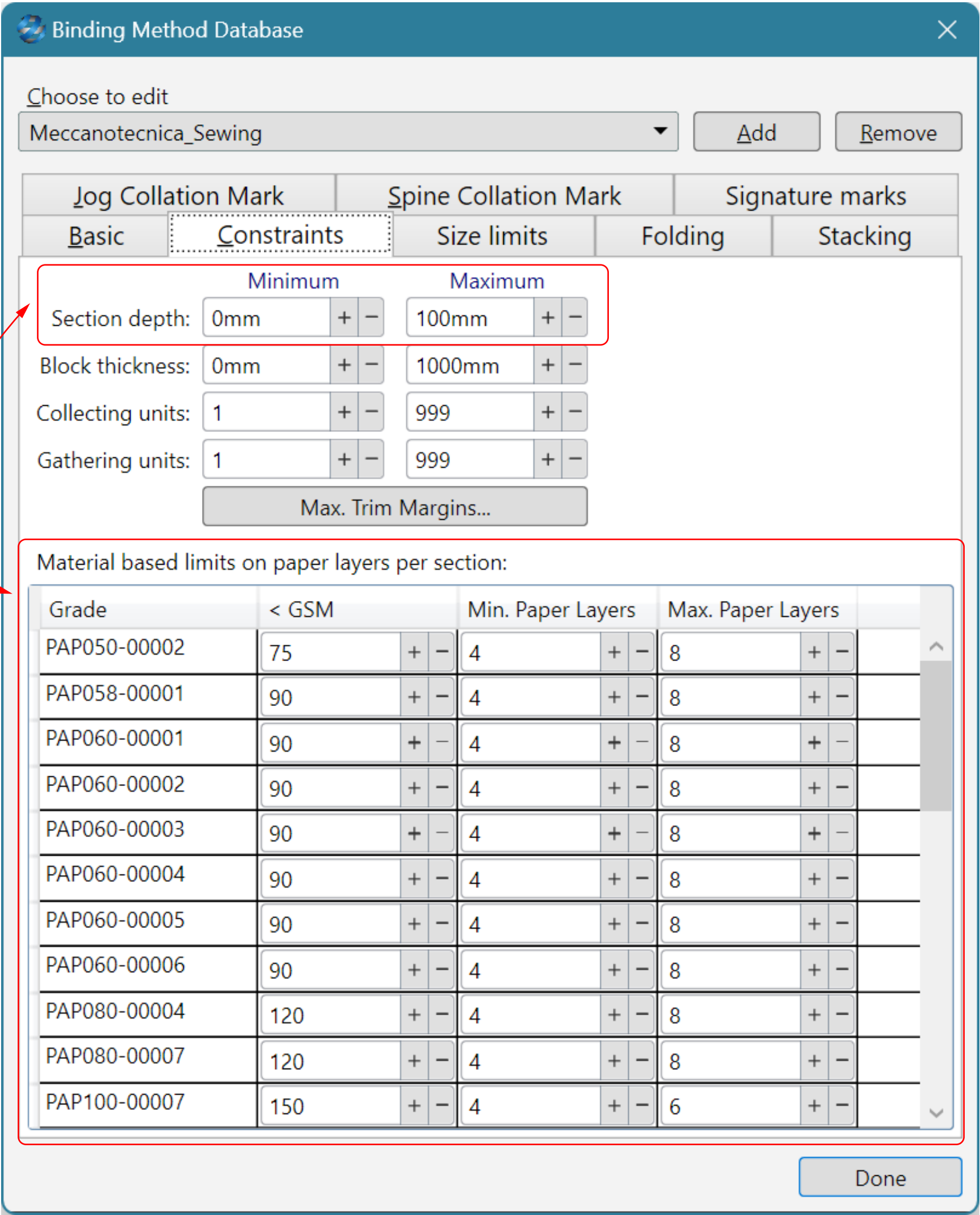
Different bindery manufacturers recommend to have signature collection range for different GSMs that results in optimal performance on the binding machine. This also ensures there is no need to enter the paper thickness for each GSM accurately (if it is not available).

Imp V14 now offers a new **lookup table*** in **binding method constraints tab** to enter the paper grade name, GSM, minimum and maximum paper layers (1 Layer = 4 page signature) that can be collected per section.

To make sure US system paper grade users make use of this, Imp V14 displays equivalent **GSM value** as per basis weight and size of each paper grade defined in Imp.



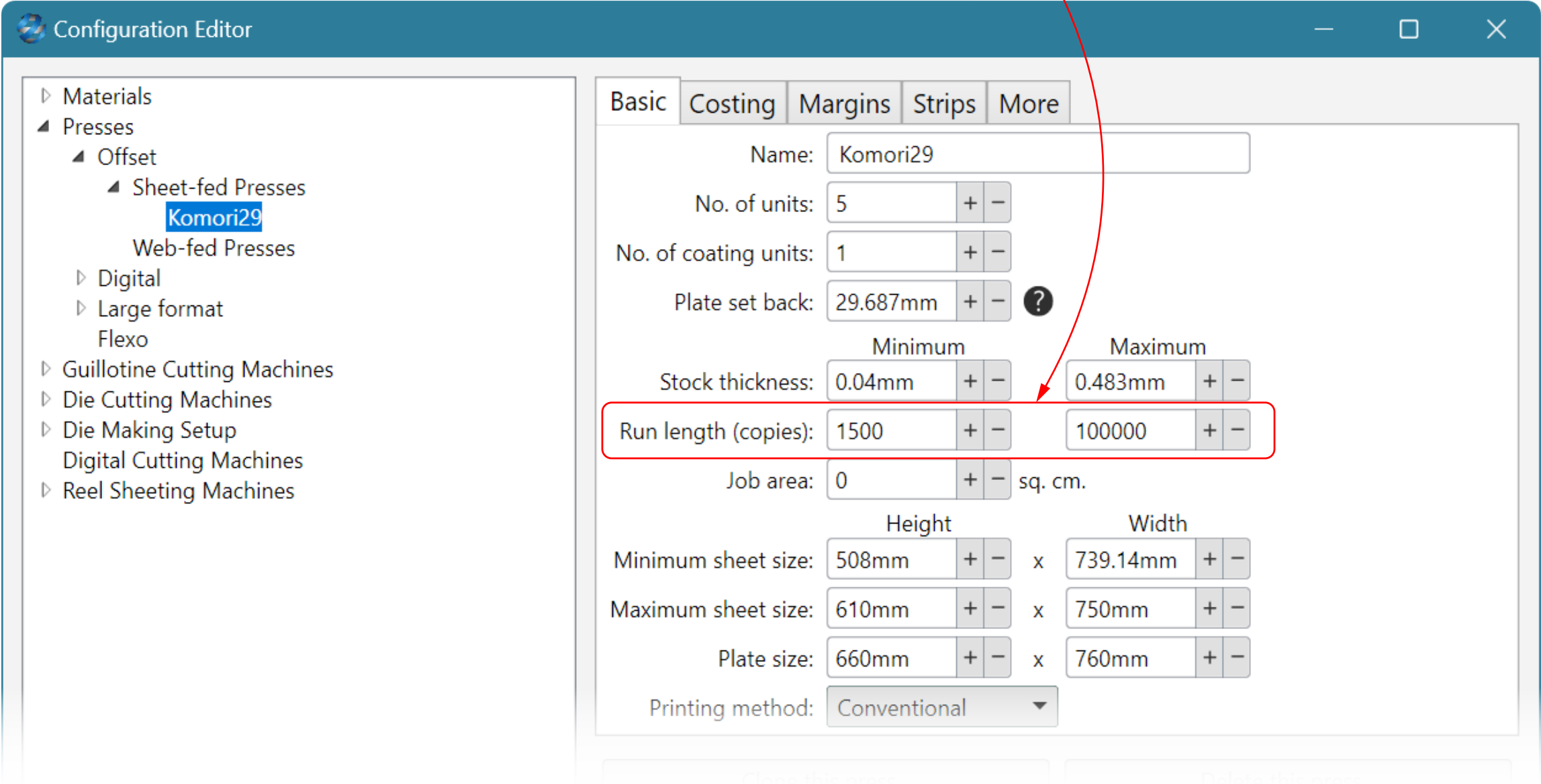
*The lookup table is effective only when minimum section depth value is set to "0"



NEW FEATURES - CONFIGURATION

OPTION TO DEFINE MINIMUM & MAXIMUM RUN LENGTH FOR PRINT DEVICES

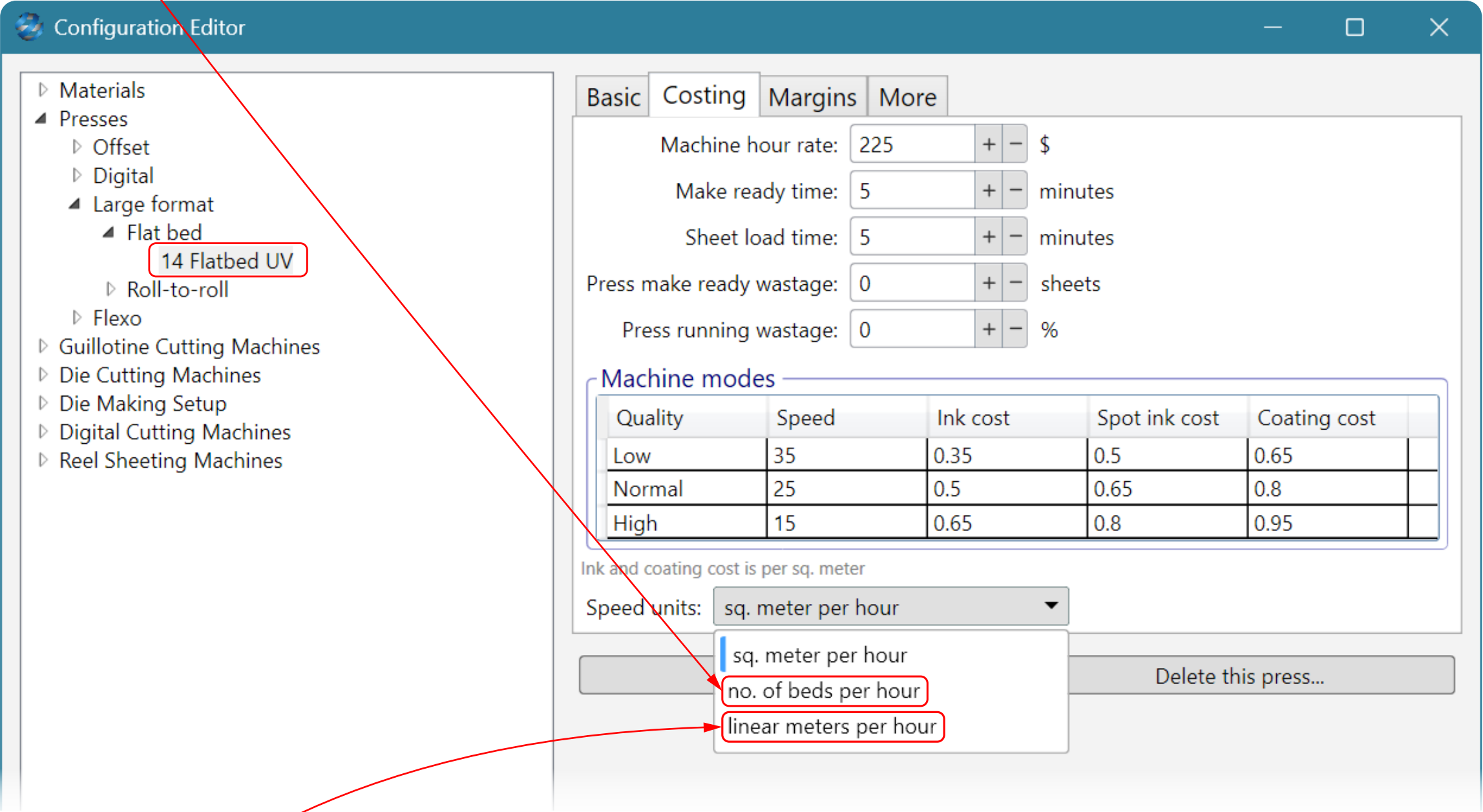
To accommodate specific run lengths for a particular printing press, new fields have been added to the press parameters for entering the **minimum & maximum run lengths**. These controls are available for both sheetfed and webfed offset and digital presses.



When planning a job, the software will automatically select the most suitable press based on the total sheet count and the run length constraints defined for each press.

LARGE FORMAT FLATBED PRINTERS - NEW SPEED UNITS

Bed Per Hour: Some printers calculate printing speed based on number of beds (full size) that can be printed on large format flatbed printer. Till now, Imp only supported sq. meter speed. New speed unit “**bed per hour**” is now available for flatbed printers.

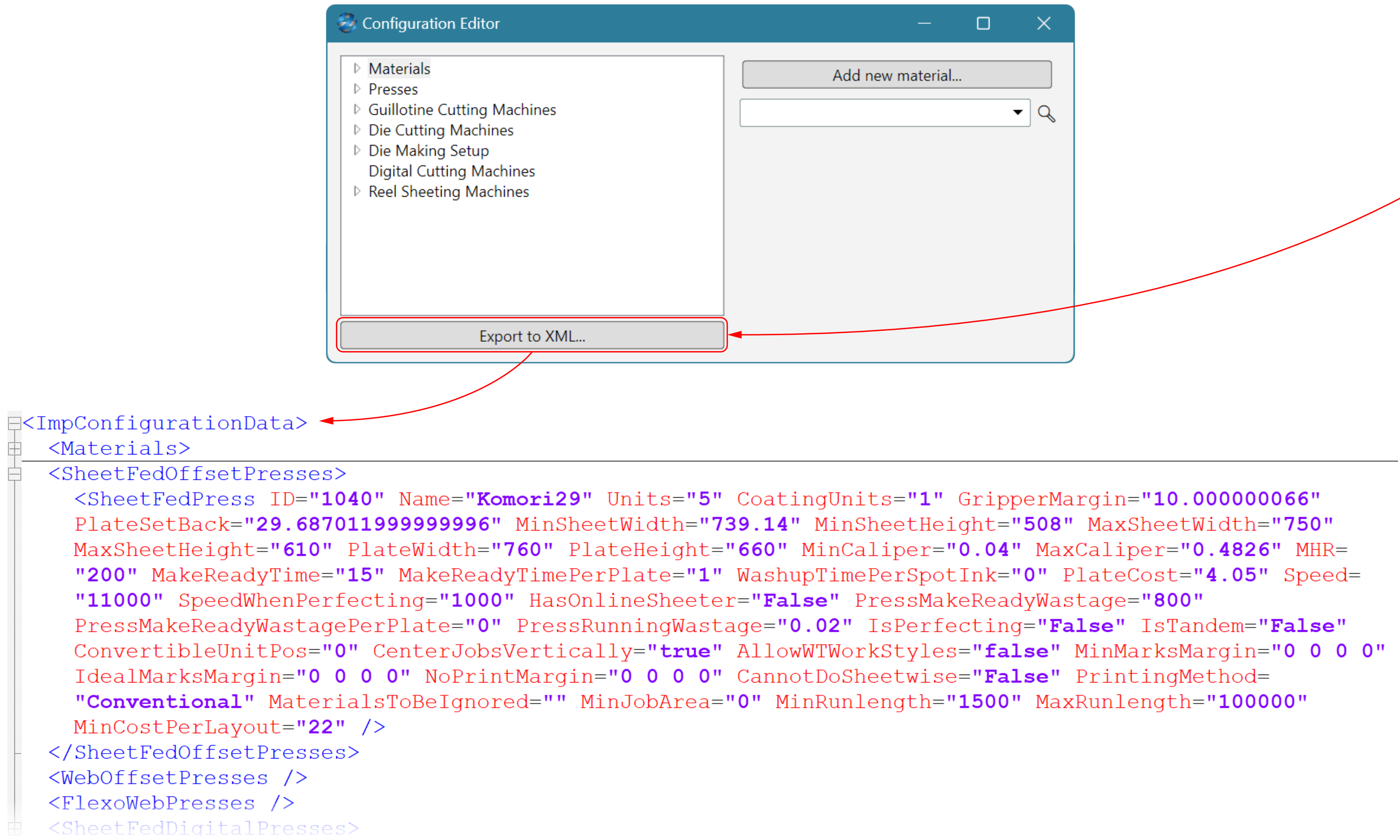


Linear meters per hour: Imp software now also supports defining speed in linear meters per hour for printers which are belt driven and print in single pass.

NEW FEATURES - CONFIGURATION

EXPORT CONFIGURATION PARAMETERS IN XML

Imp configuration parameters are internally stored in native format which is non-readable in third-party apps. Some integrators wanted this data to be available in XML format. Now, a new “**Export to XML**” option is available in Configuration Editor to save the configuration parameters in XML format.



NEW FEATURES - USER INTERFACE

GRAIN DIRECTION COLUMN IN PRODUCT SHEET UI

Users can now define grain direction for components in the product sheet interface directly, inside the **“Grain Direction”** column. If same grain direction is required in all components, right click and click **“Copy to all”** to paste the same grain direction value to all components in single step.

Unbound components [+ Add from PDFs](#) [+ Add from DXFs](#)

	Name	Copies	Material	Grain Direction	Front Inks
	197290	13500	CBGB, 350gsm	Horizontal	
	197292	8000	CBGB, 350gsm	Horizontal	
	197293	8000	CBGB, 350gsm	Horizontal	
	197294	13500	CBGB, 350gsm	Horizontal	CMYK
	197295	13500	CBGB, 350gsm	Horizontal	CMYK
	197394	4750	CBGB, 350gsm	Horizontal	CMYK

If **“Grain Direction”** column is not visible in the product sheet UI, **right click on the header** and select **“Grain Direction”** to display the column in the UI.

Unbound components [+ Add from PDFs](#) [+ Add from DXFs](#)

	Name	Copies	Material	Front Inks	Back
	Die		CBGB, 350gsm	CMYK	☐
	Notes		CBGB, 350gsm	CMYK	☐
	Content		CBGB, 350gsm	CMYK	☐
	Same Art On Back		CBGB, 350gsm	CMYK	☐
	☒ Copies		CBGB, 350gsm	CMYK	☐
	☒ Due Date		CBGB, 350gsm	CMYK	☐
	☒ Material		CBGB, 350gsm	CMYK	☐
	☒ Mill		CBGB, 350gsm	CMYK	☐
	☒ Grain Direction		CBGB, 350gsm	CMYK	☐
	☒ Front Inks		CBGB, 350gsm	CMYK	☐
	☒ Front Coatings		CBGB, 350gsm	CMYK	☐

OPTION TO CLONE EXISTING PLAN

Some users wanted an option to clone an existing plan. The cloned plan is then used to replace artworks for embellishments or finishings or versions, keeping the layouts with marks and properties preserved as in the original plan.

To clone a plan, a new **“Clone”** button is added to the plan panel in the product sheet UI.

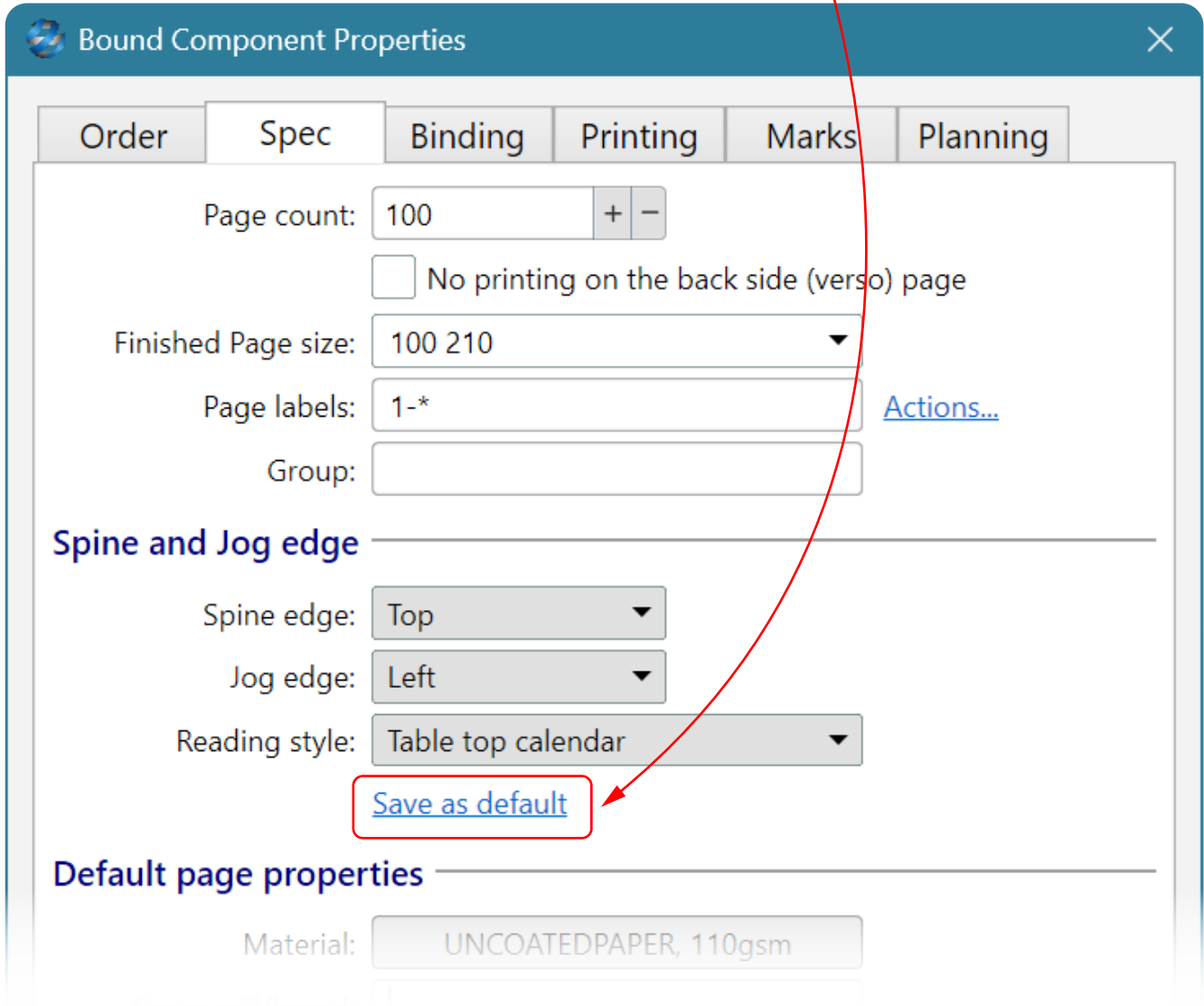
Plans [External plans](#)

	Name
	Plan - 197290
	Plan - 197290_clone

NEW FEATURES - USER INTERFACE

“SAVE AS DEFAULT” OPTION FOR SAVING SPINE EDGE, JOG EDGE AND READING STYLE

The spine edge, jog edge and reading style are set to left, top and normal in the bound component properties, respectively. Some users reported they mostly do right or top bound books and need to change these properties for each job. To save desired properties for spine edge, jog edge and reading style as defaults, “**Save as default**” option is now added to the bound component properties.

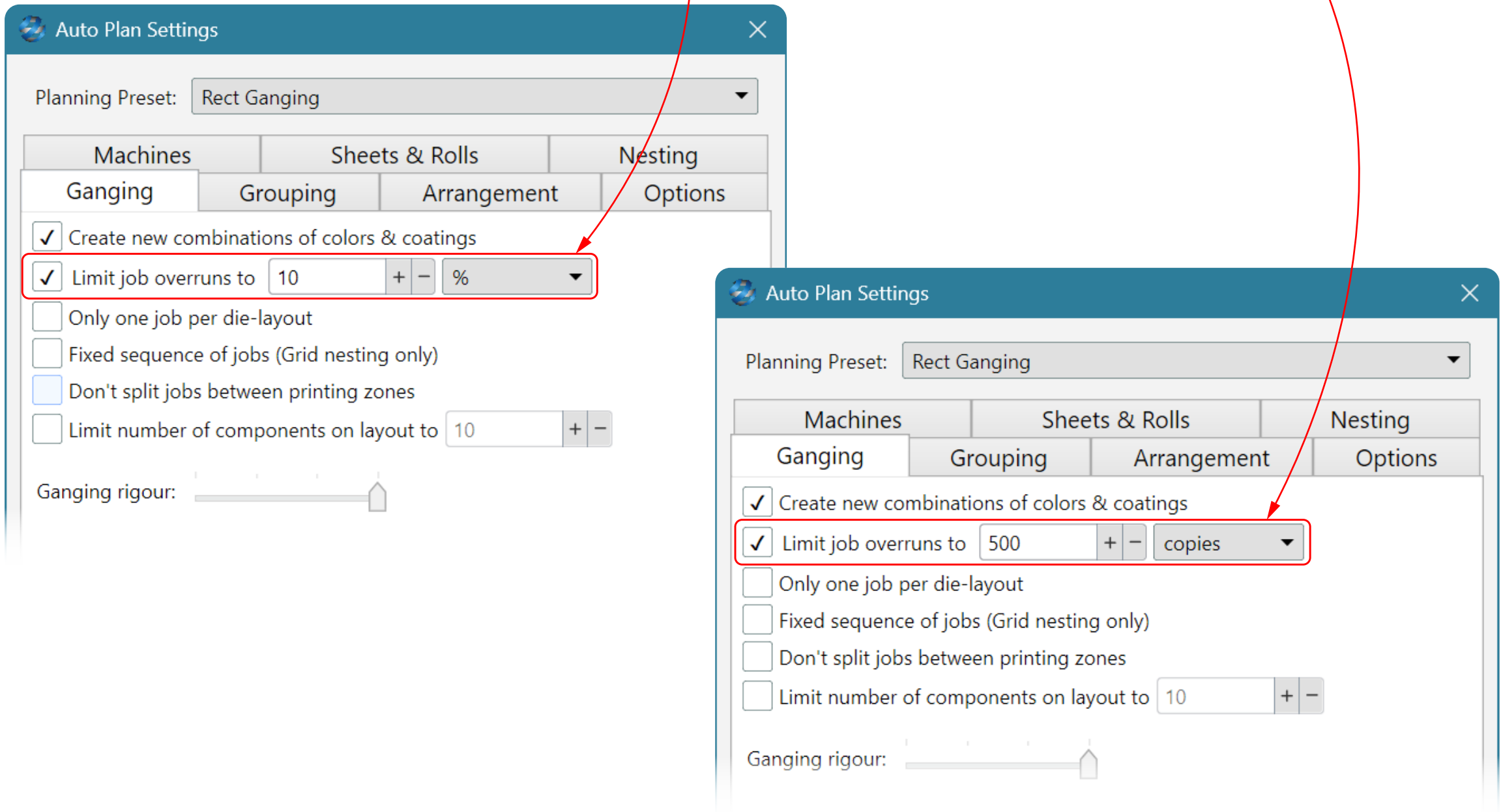


NEW FEATURES - AUTO PLAN SETTINGS

NEW PLAN SETTING TO DEFINE “JOB OVERRUN LIMIT”

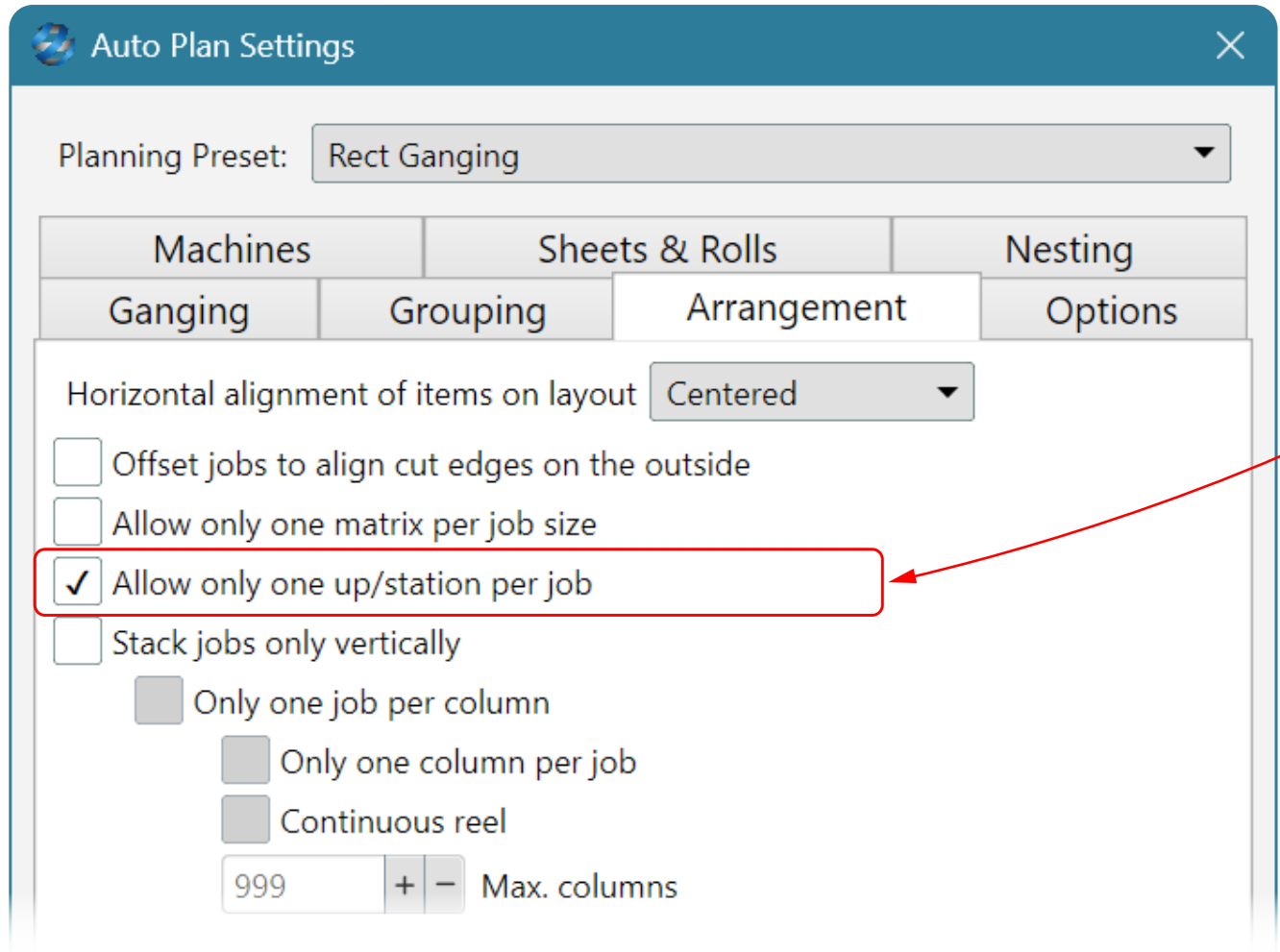
A new plan setting “**Limit job overruns to**” is now available under “**Ganging**” tab to control job overruns (excess copies produced). When a job is placed on a layout, this setting will ensure that any overruns remain within the specified limit.

The overruns can be limited by either using **overrun %** value or **number of overrun copies** factors.



NEW SETTING “ALLOW ONLY ONE UP/STATION PER JOB”

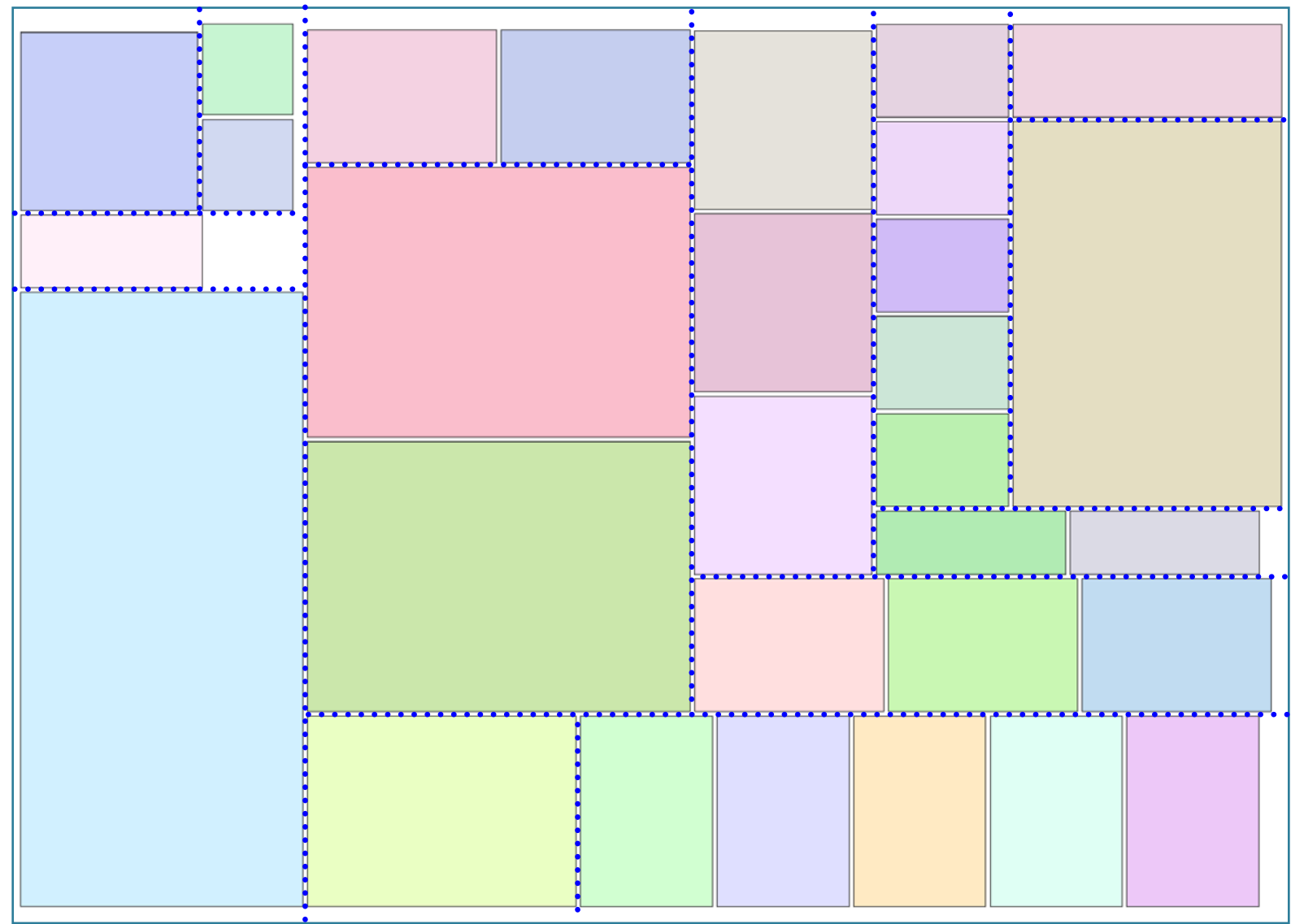
When planning jobs of similar quantity ranges, users can now use the new plan setting “**Allow only one up/station per job**” under “**Arrangement**” tab. This setting will not always force 1 up/station of jobs, if the number of jobs are less and if the layout can be optimized by placing more number of ups / stations of jobs, software will do it. This ensures the layouts planned are cost-optimized, always.



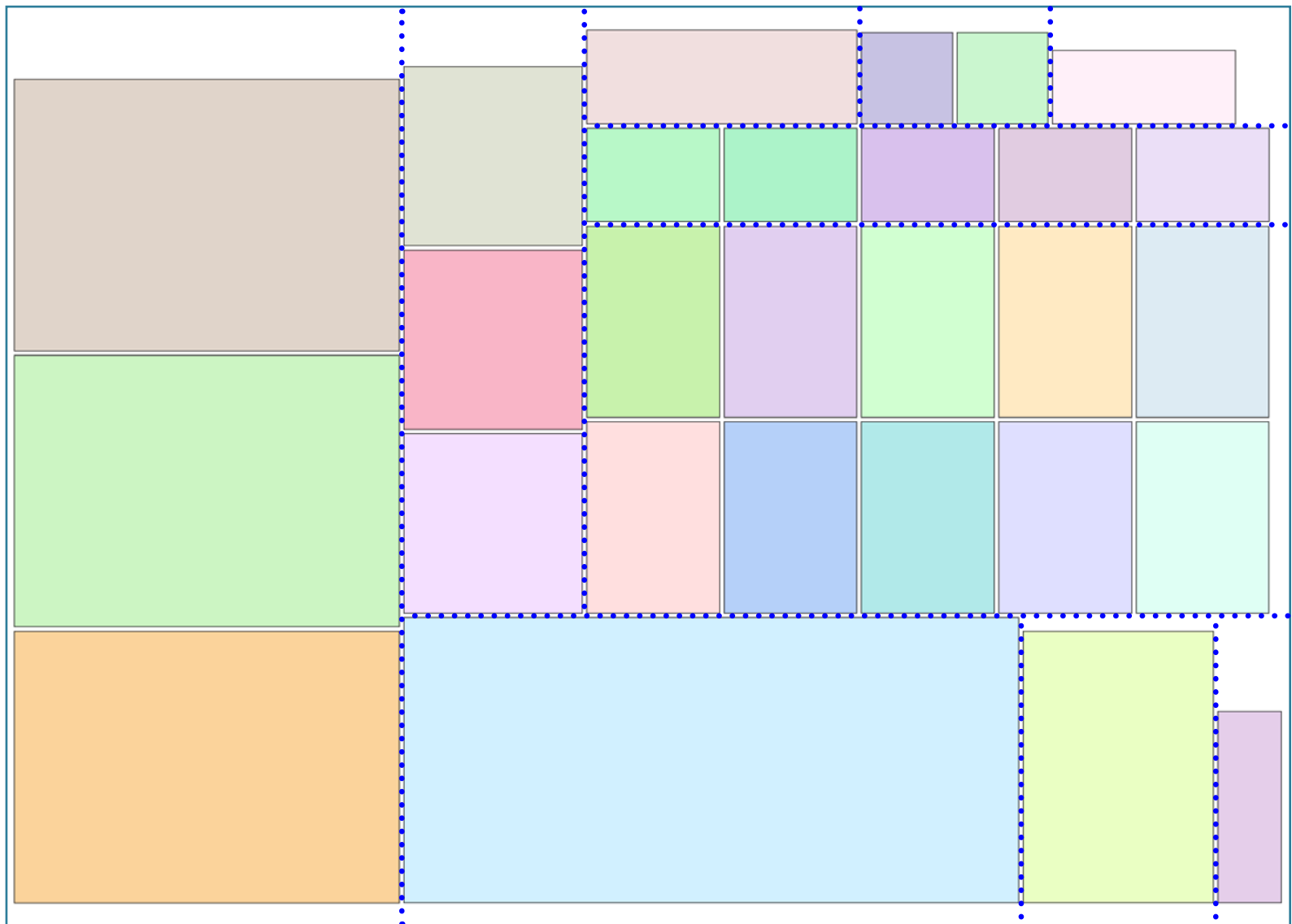
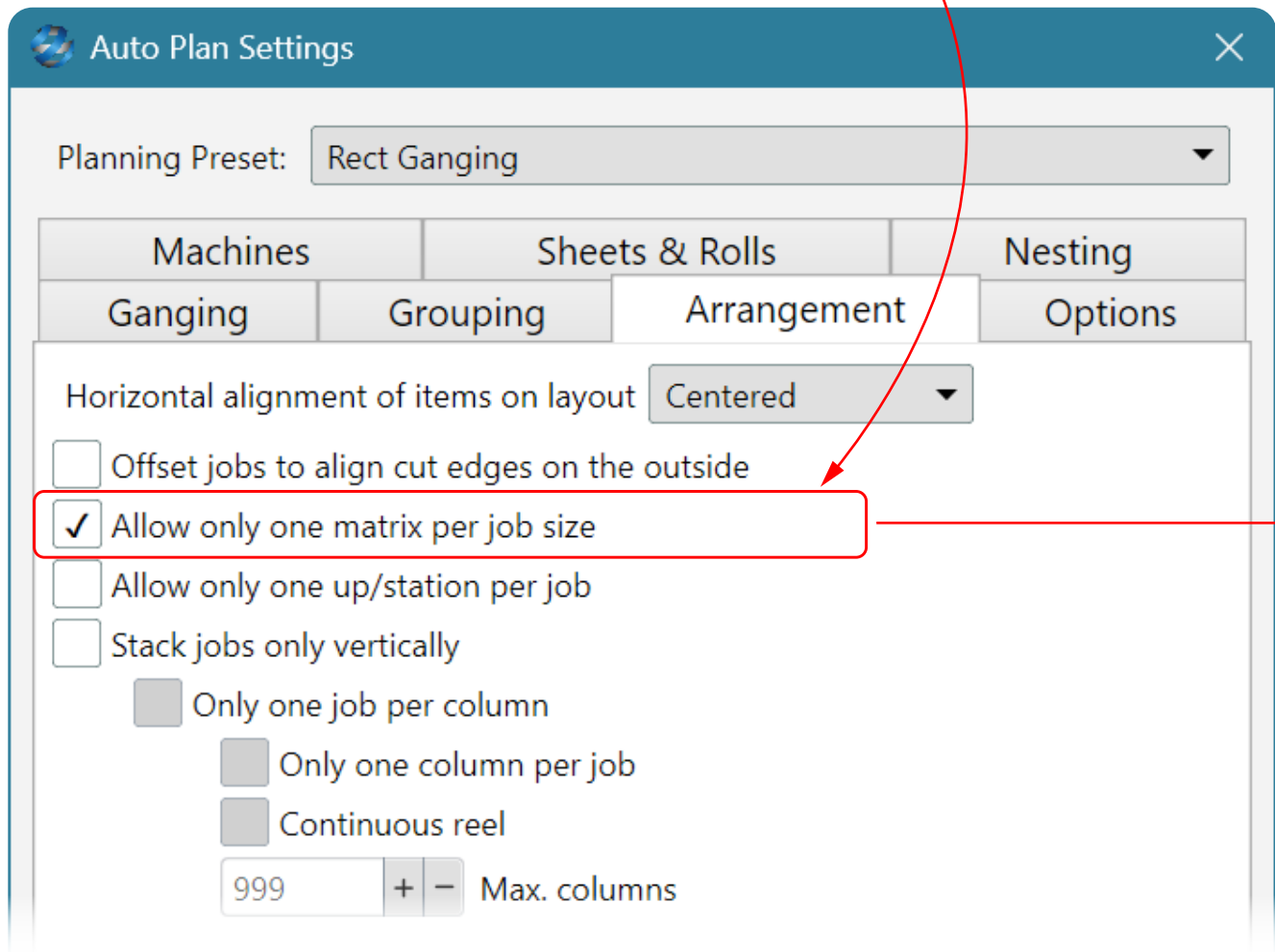
NEW FEATURES - AUTO PLAN SETTINGS

NEW PLAN SETTING TO SIMPLIFY CUTTING PROCESS - ALLOW ONLY ONE MATRIX PER JOB SIZE

In case of ganging, the optimal layouts are possible when jobs are placed in a tight nesting, and most of the times it is possible when jobs of different sizes are placed next to each other as in **Layout (A)**. This is best, cost-wised, but is complex and time consuming for guillotine cutting process. For an efficient and simplified cutting process, it is desirable to have same trim size jobs placed together as a block, as in **Layout (B)**. For users wanting job placement as in Layout (B), a new plan setting in “**Allow only one matrix per job size**” is added to the “**Arrangement**” tab. When this setting is used, all jobs of same trim size are planned together as a block and will never get mixed with other trim size jobs.



Layout (A)

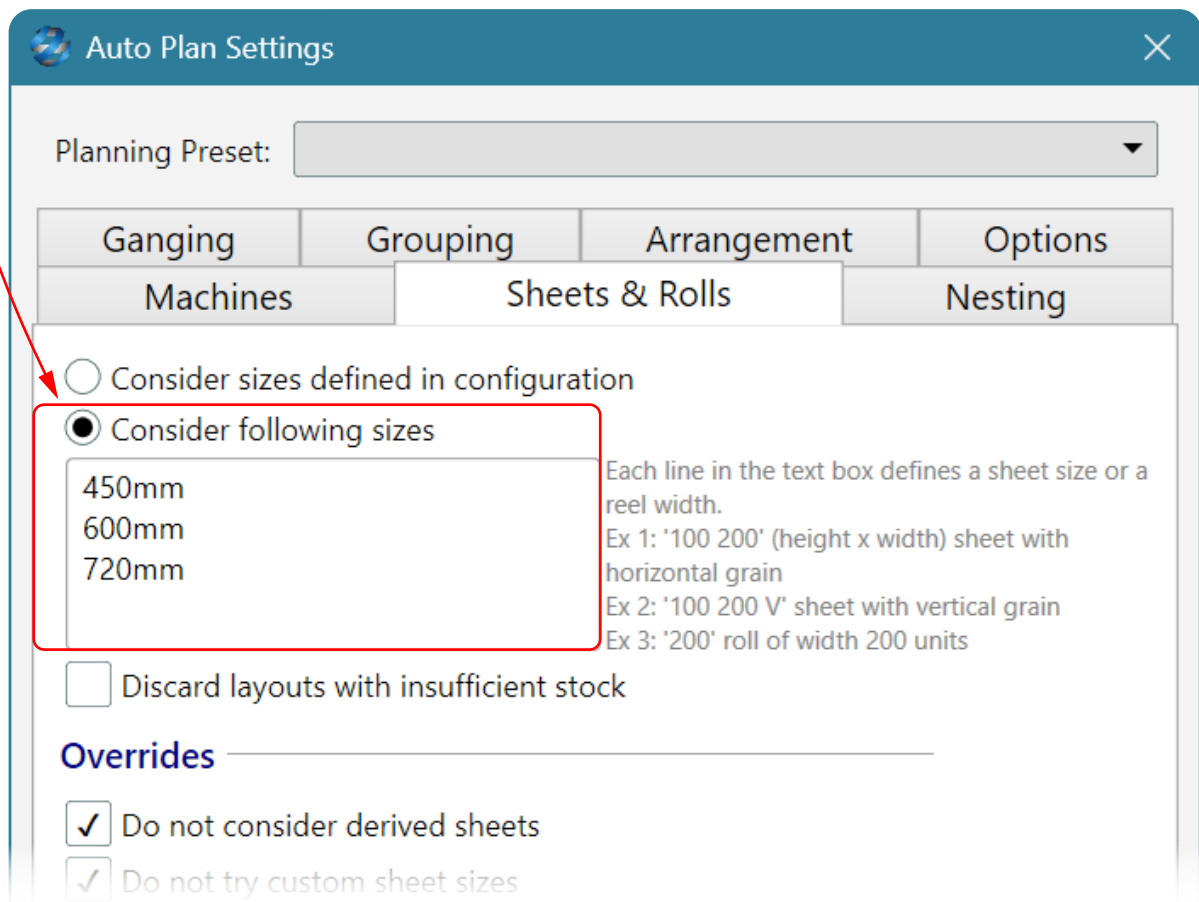


Layout (B)

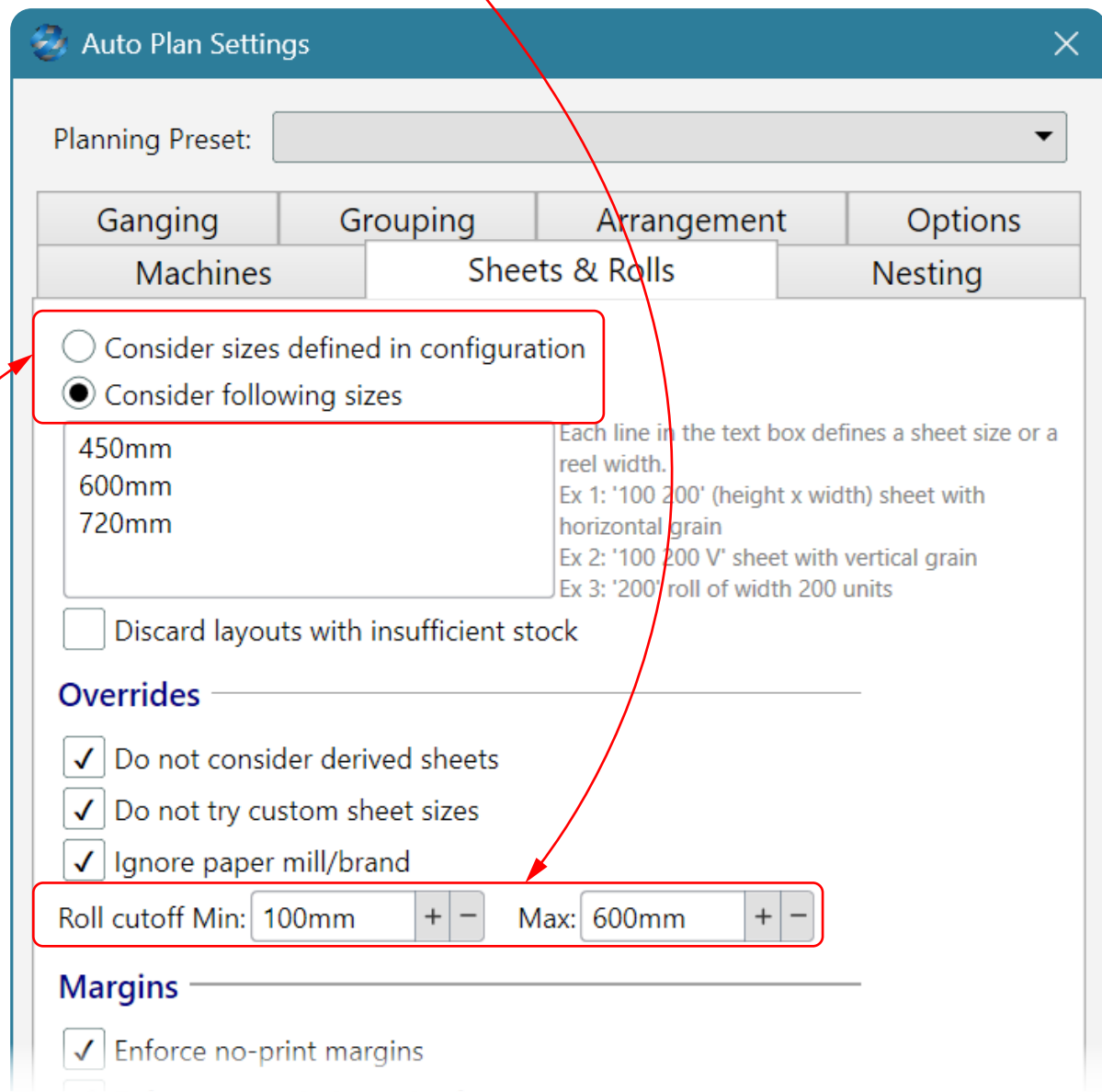
NEW FEATURES - AUTO PLAN SETTINGS

OPTION TO DEFINE CUT-OFF LENGTH FOR WEBFED PRINTERS IN PLAN SETTINGS

Imp supported defining **custom sheet size or roll widths** to be used at the time of planning. In case of rolls, only widths can be entered. Software will calculate the cut-off length as per the range defined in the press parameters.



Some customers wanted option to define the cut-off length range also at the time of planning. Now, new fields to enter the **cut-off length range** is now added to the plan settings to support this request.

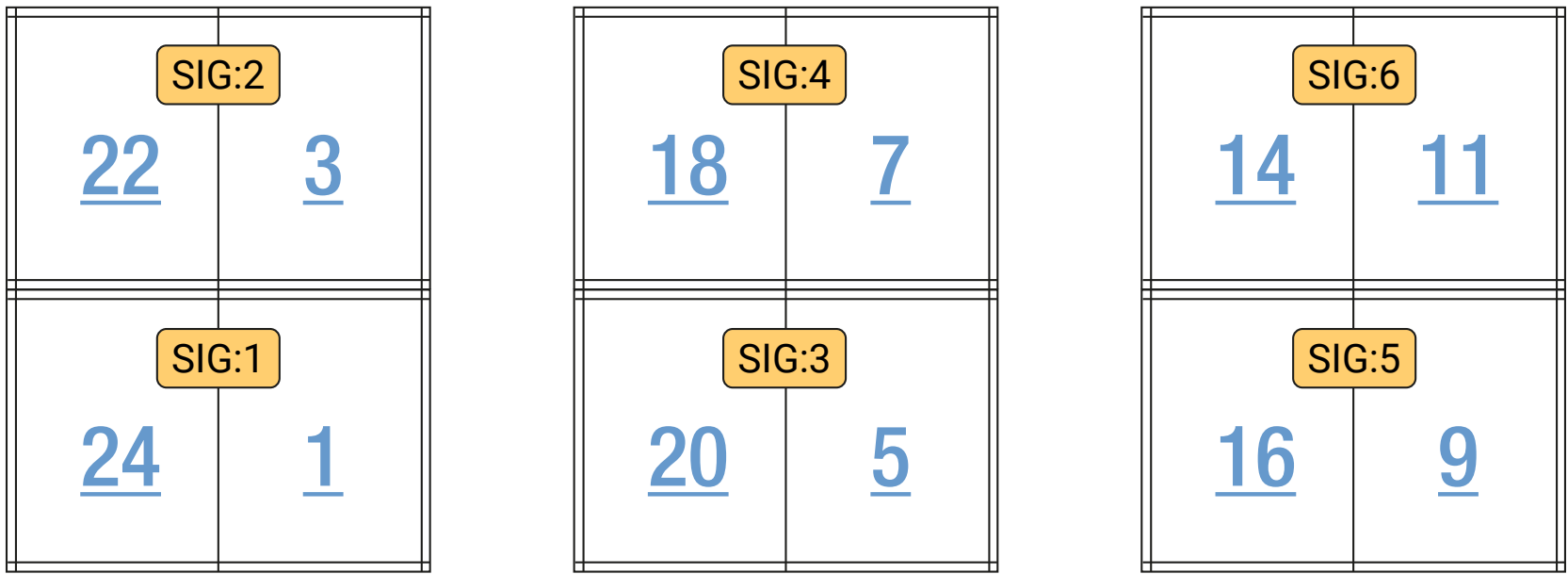


The cut-off values defined in auto-plan settings work with both options -
“Consider sizes defined in the configuration” and “Consider following sizes”

NEW FEATURES - AUTO PLAN SETTINGS

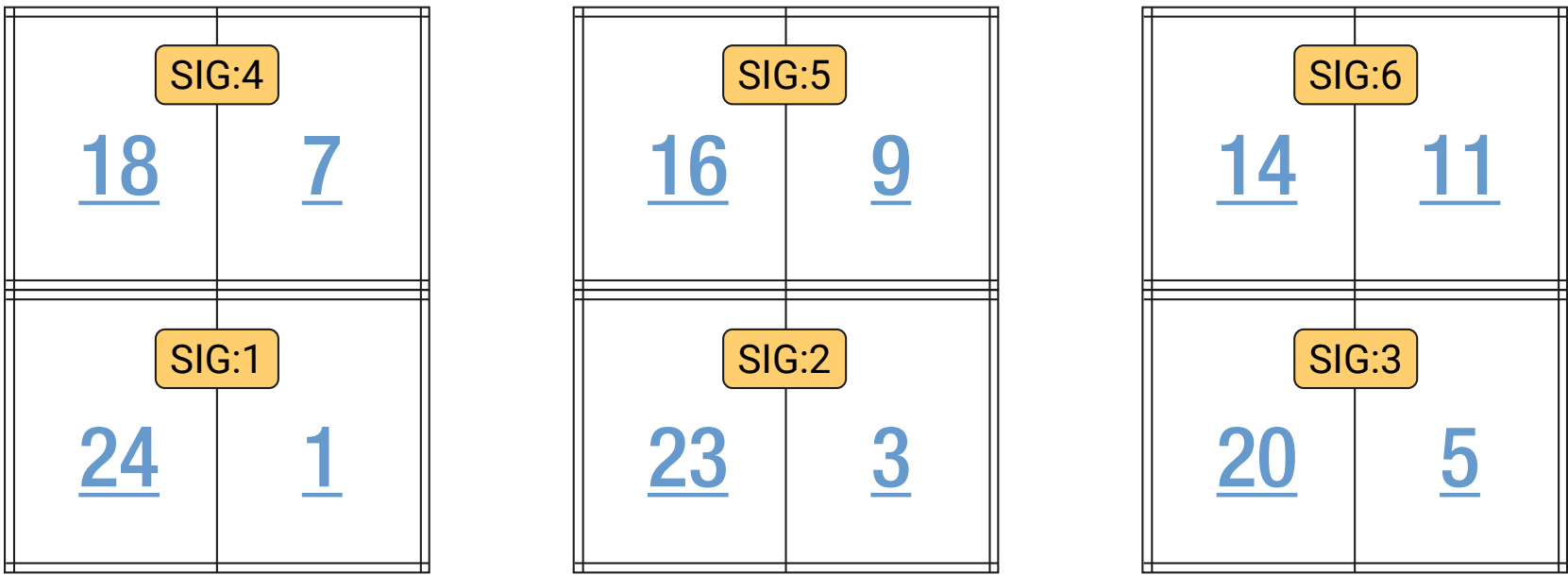
CUT & STACK PAGE ORDER FOR ALL BINDINGS IN AUTO-PLAN BOUND JOBS SETTINGS

The cut & stack page order (placement of signatures in equal page count blocks) is usually used for spiral bound and perfect bound jobs printed on digital devices. This placement makes finishing easy. When planning saddle stitch jobs with 4-page folding template, the signatures are placed in running sequence on layout. This requires each signature to be folded, trimmed and collected/gathered in correct sequence.



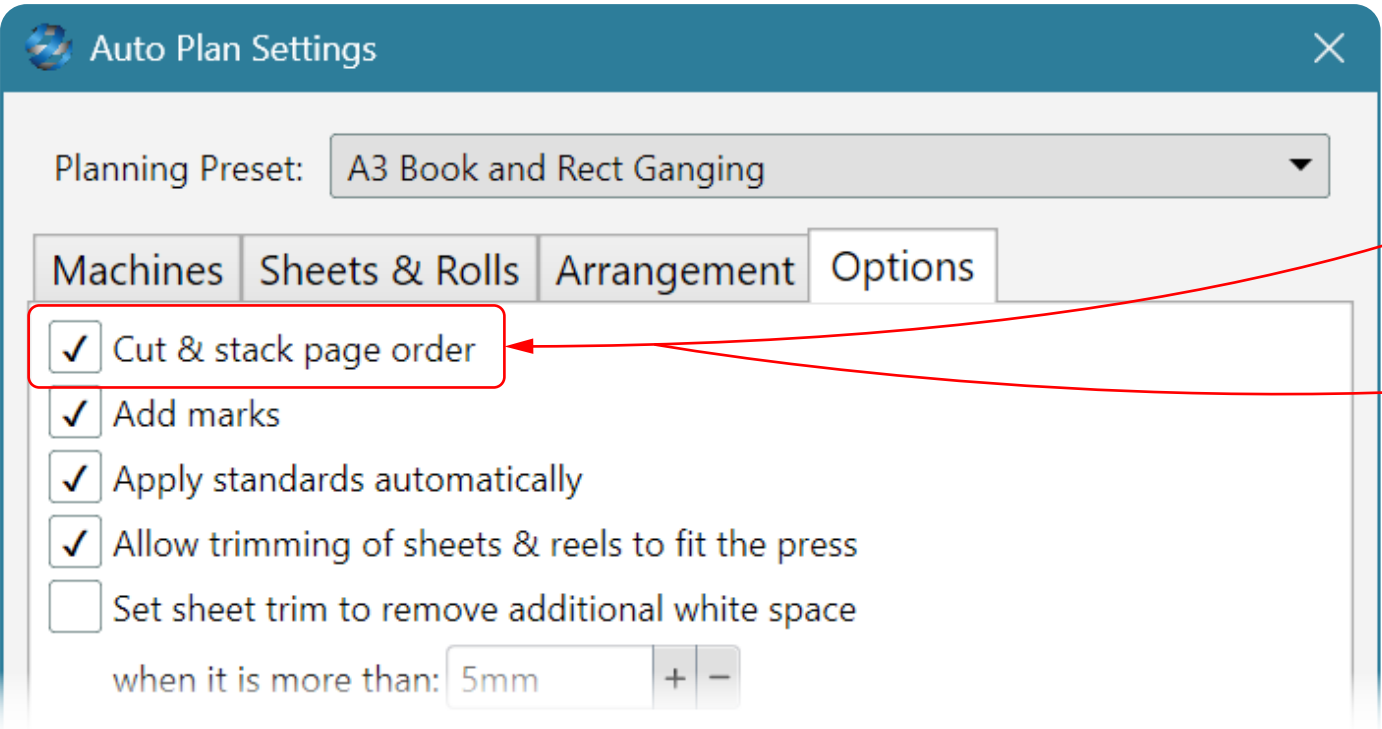
Layouts with signatures placed in normal (running) sequence/order

When the signatures of the same job are placed in **cut & stack page order**, it just needs folding, trimming of single block and inserting top block inside bottom block as in layout plan on right.



Layouts with signatures placed in "Cut & stack page order"

Imp software now supports layout planning with cut & stack page order. To plan bound jobs with cut & stack page order, a new setting "Cut & stack page order" is added under Options tab.



NEW FEATURES - EXPORT OPTIONS

DIE LAYOUT IN .ZCC FORMAT - SELECT CUTTING METHOD BASED ON MATERIAL GRADE

In the controller software of Zund cutting machines, user can assign different cutting methods (tools) as per material to be cut. For example, for some materials the cutting method can be “Thru-cut” and for some it can be “Route”. This can be done in Imp’s export die UI by typing in different method names and save different profiles for different materials - it is a tedious task.

The ZCC Cut methods to be used for a given grade of material can now be set through a special INI file called **ZCCMethodsMap.ini** file in Imp’s “**Data**” folder. To create this file, open Notepad and the contents of this file will look like below. Support for wild cards is available:

```
[Cut]
Default=Thru-cut
Acrylic*=Route
ADH*=Thru-cut
Aqueous*=Thru-cut
Banner*=Thru-cut
Cardstock*=Thru-cut
Cling*=Thru-cut
Combined*=Thru-cut
Corr*=Route
EPVC*=Route
Film*=Thru-cut
Floor*=Route
Foam-Board*=Thru-cut
Foam-Core*=Route
```

After entering all the material names and cutting method, save the file and type name with extension as **ZCCMethodsMap.ini** and save inside “**Data**” folder located inside Imp14 installation folder in C drive > InSoft Automation > Imp14 > Data

Relaunch Imp and Imp Flow. Now ZCC files exported will automatically fetch cutting method name as defined in the INI file.

DIE LAYOUT IN .ZCC FORMAT - METHOD NAMES AS PER REGIONAL (CUSTOM) NAMES

In the controller software of Zund cutting machines, user can define the method names as in local language. The controller software expects the same names to be available in the ZCC files exported from Imp software as well.

To support the custom names in method names, a new setting is available in Impui.ini file - **ZCCUseLayerNameForType=1**

To set this flag in Impui.ini file:

- Close Imp UI and Imp Flow if running
- Locate **Impui.ini** file inside Imp14 installation folder in C drive > InSoft Automation > Imp14
- Open it in notepad and paste **ZCCUseLayerNameForType=1** and save the file
- Relaunch Imp UI and Imp Flow

With this setting, the layer name as used in the input file for cut, crease or other methods will be retained as it in the exported ZCC file.

Note: If you want to use **ZCCMethodsMap.ini** file to automate cutting method names to load in ZCC file as per material, the above defined setting in Impui.ini file **ZCCUseLayerNameForType=1** should be set to 0 or removed from Impui.ini file.

NEW FEATURES - EXPORT OPTIONS

DIE LAYOUT EXPORT FOR BANNERS WITH HEMMING

Imp software exports die-layouts in the final trim size in case of banners. For banners requiring hemming margin on edges, the die-layouts should have cut size for each banner including the margins defined on each edge for hemming. These margins are normally defined as bleed or offcut margin.

If user wants to export the cut files for banners with extra margin on edges for hemming, these margins should be defined as “Offcut” margins in component properties and setting a special settings flag **ExportOffcutInCuttingJDF=1** in Impui.ini file.

To set this flag:

- Close Imp UI and Imp Flow if running
- Locate **Impui.ini** file inside Imp14 installation folder in C drive > InSoft Automation > Imp14
- Open it in notepad and paste **ExportOffcutInCuttingJDF=1** and save the file
- Relaunch Imp UI and Imp Flow

With this ini setting, if there is an offcut defined for a job, its cut size on die-layout will be generated in “trim margins” + “offcut margins” size.

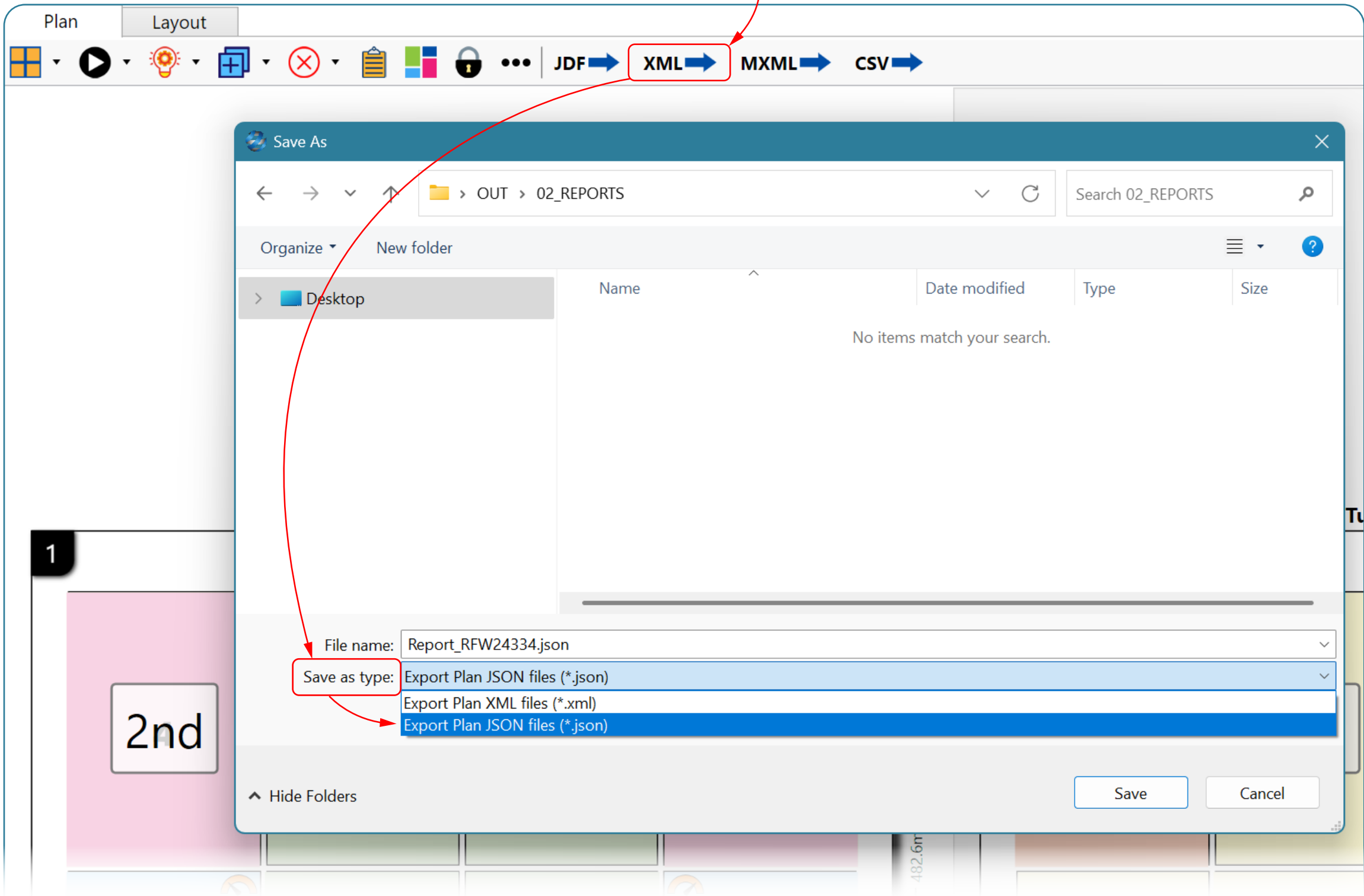
NEW FEATURES - EXPORT OPTIONS

PLAN REPORTS IN JSON FORMAT

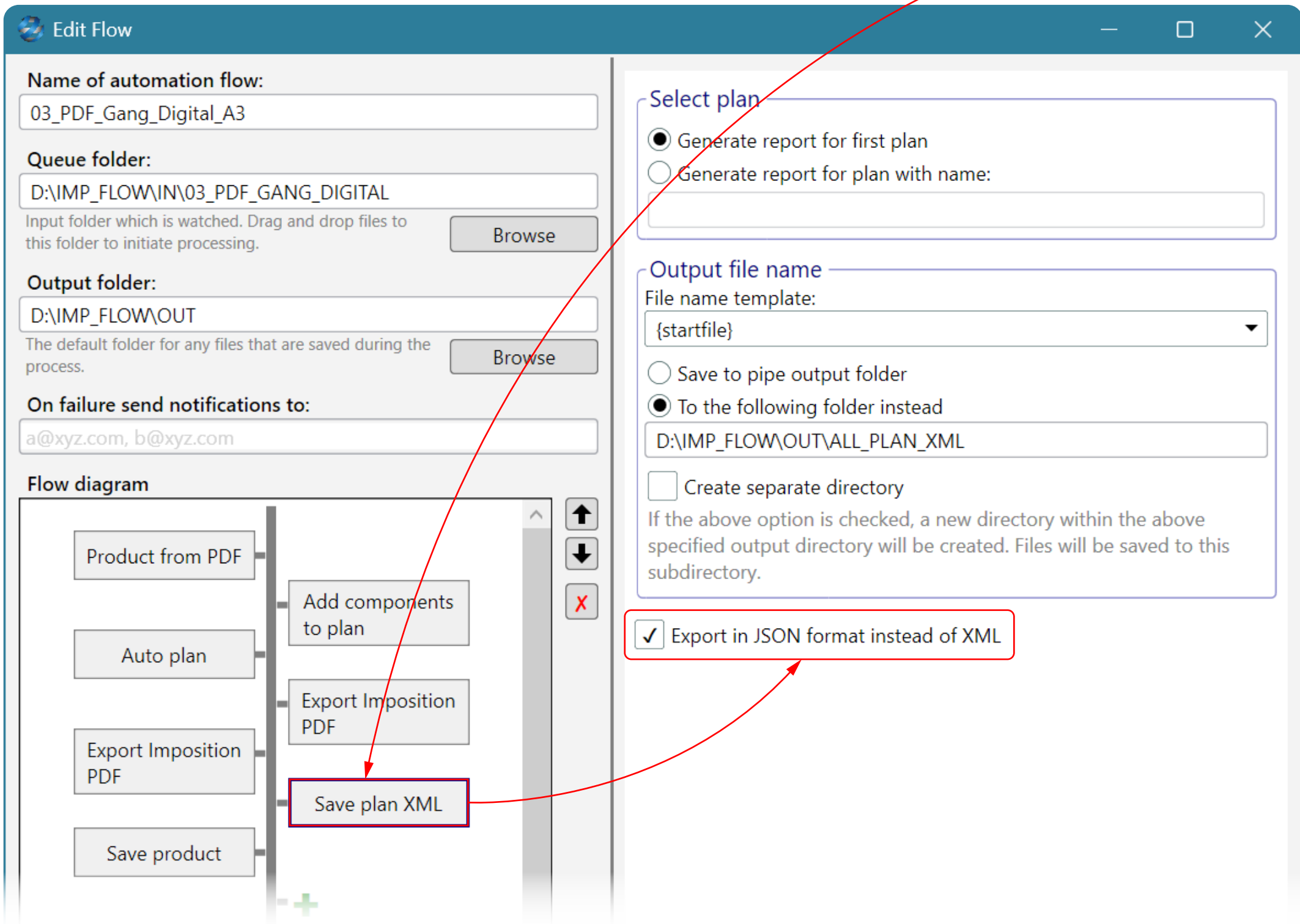
The layout plan reports can now be exported in JSON format. For this, user must install ASP .NET Core 8.0, download link:

<https://dotnet.microsoft.com/en-us/download/dotnet/thank-you/runtime-aspnetcore-8.0.11-windows-x64-installer?cid=getdotnetcore>

In **Imp UI** support for JSON reports is given under “**Plan XML**” in Plan tab as below:



In **Imp Flow** hot folders, option to generate plan in **JSON** format is added to the **Save Plan XML** action.



NEW FEATURES - IMP FLOW

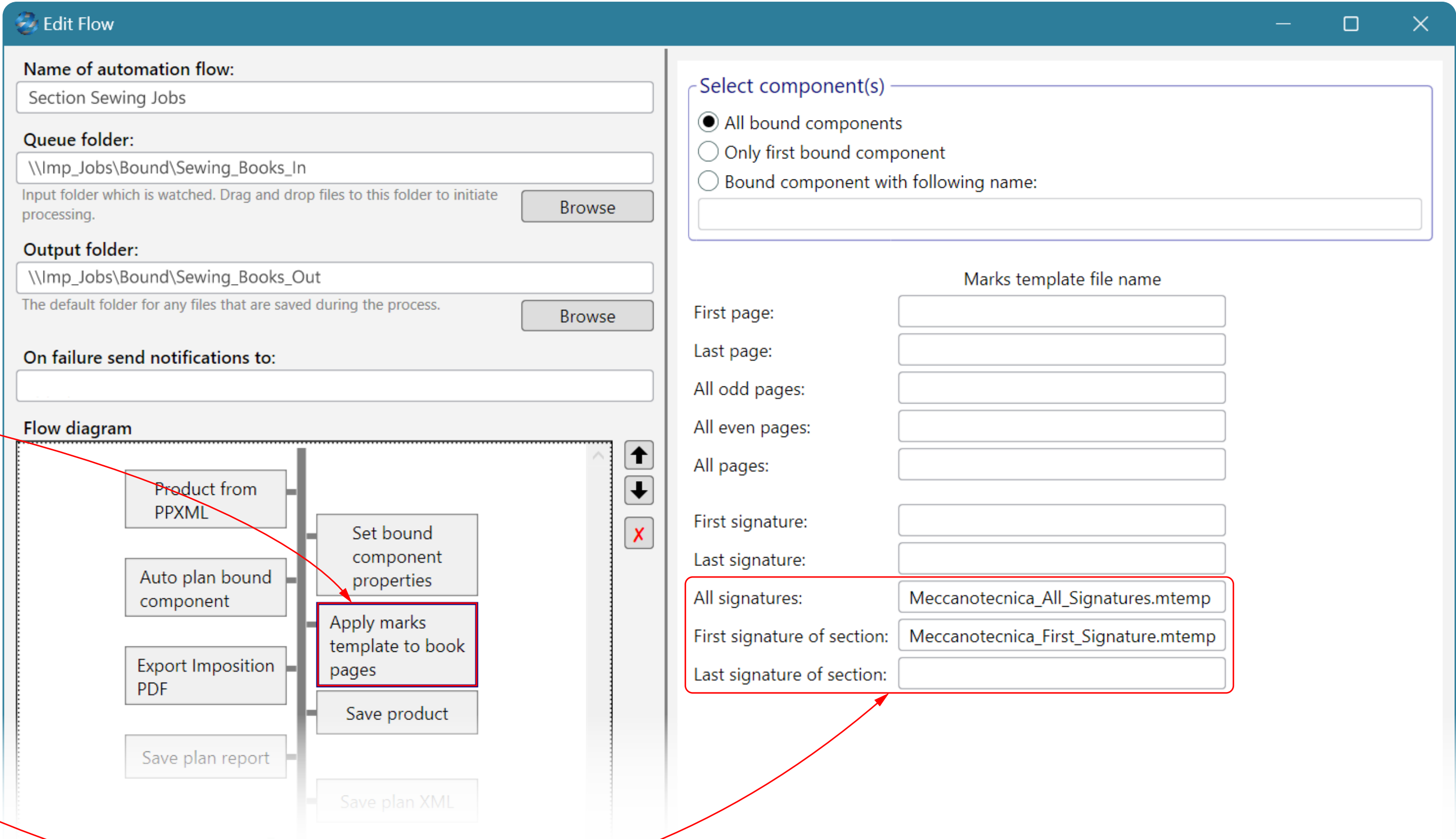
APPLYING SPECIFIC MARK TEMPLATES ON SELECTED & ALL SIGNATURES

Automated book bindery needs barcodes and data matrix codes on selected signatures as in example below:

- 1. Mark template with data matrix code, black rectangle on left top corner and text identification marks are required on front side of each signature.
- 2. Mark template with barcode 128c placed on top right and left of the signature is required only on the first signature (outermost) of each section.

In Imp Flow, user can add marks templates to book pages and signatures using the **“Apply marks template to book pages”** action.

To make it work for the automated bindery requirement, new controls to apply marks template to **“All signatures”**, **“First signature for the section”** and **“Last signature of the section”** are now available.

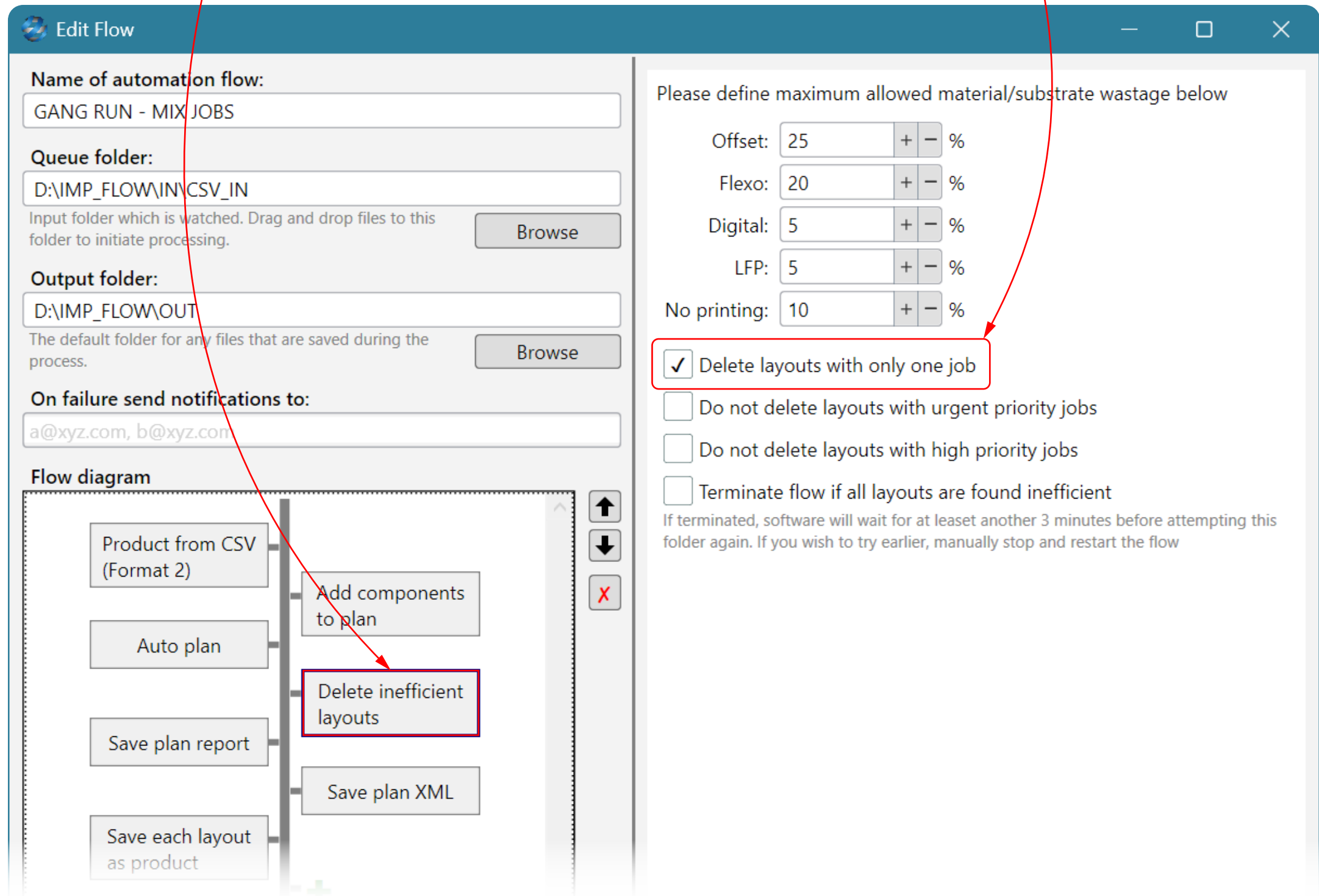


NEW FEATURES - IMP FLOW

DELETE LAYOUTS WITH ONLY ONE JOB

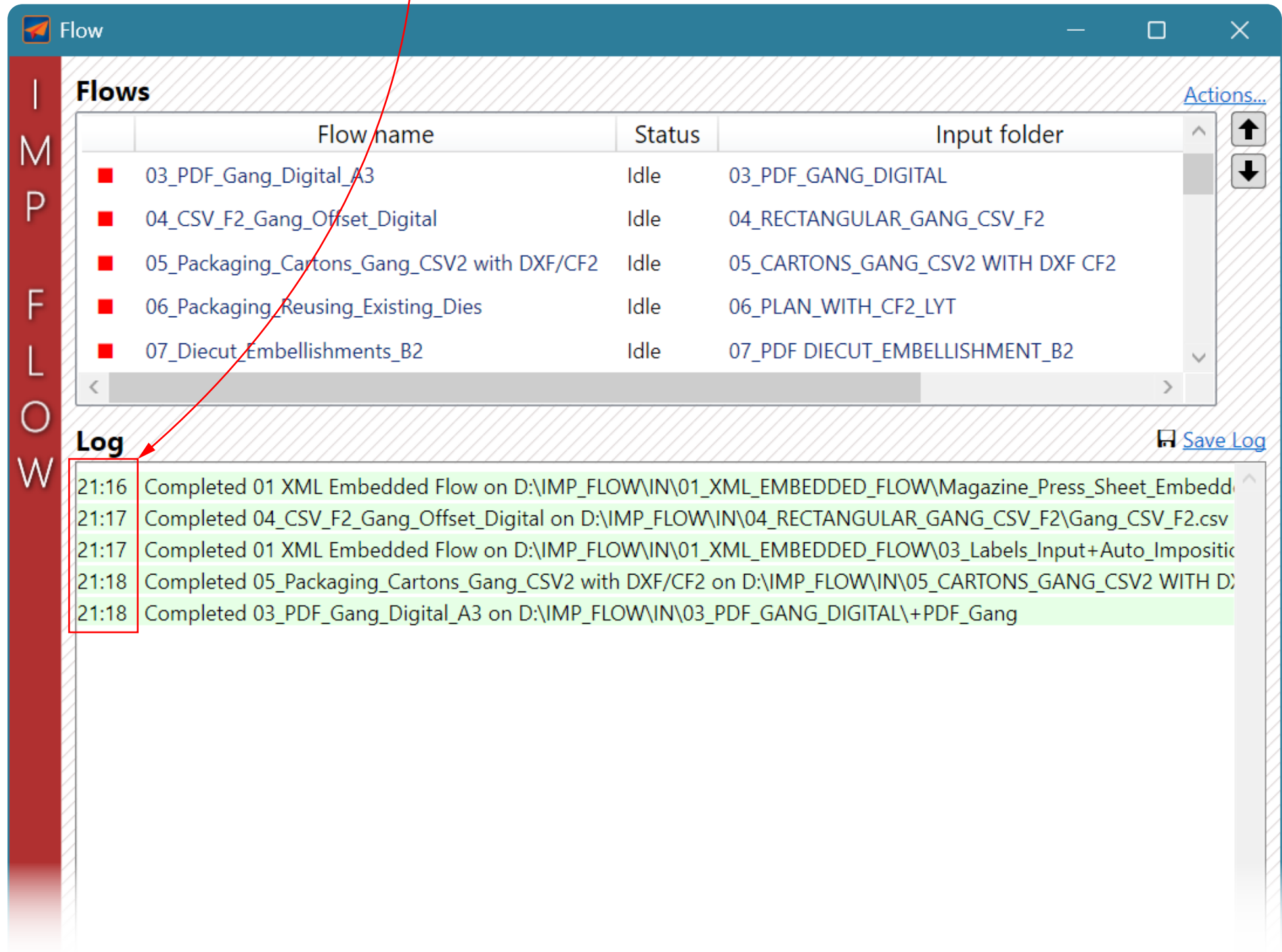
Printers focused on optimization by ganging pool of jobs, remove layouts with single jobs and add these jobs to next pool. Till now, in Imp Flow hot folders, layouts can only be deleted if they are inefficient in terms of material wastage.

To remove single job layouts automatically, a new setting “Delete layouts with only one job” is added to **Delete inefficient layouts** action.



TIME STAMP FOR PROCESSED JOBS

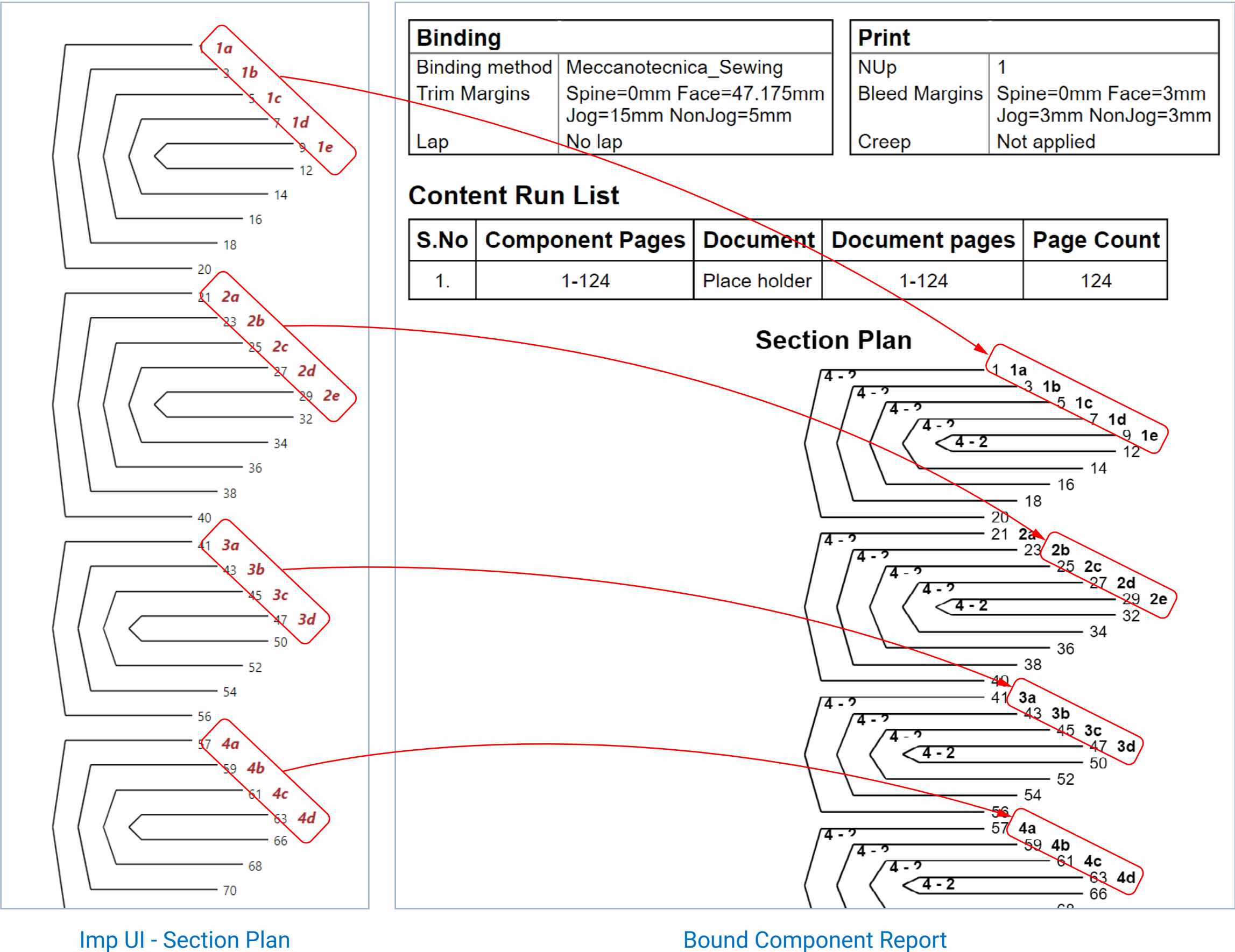
Imp flow now generates the **time stamp** when a job is completely processed. These time stamps are also exported in the log file.



REFINEMENTS

SIGNATURE COLLECTION NUMBER IN BOUND COMPONENT REPORTS

Previously, when multiple signatures are collected to make a single section, signature collection numbers(1a, 1b, 1c, 1d...) as shown in the section pane in Imp UI. These signature collection numbers were not printed in the bound component reports. Now, the collection numbers are generated in bound component reports as shown below:



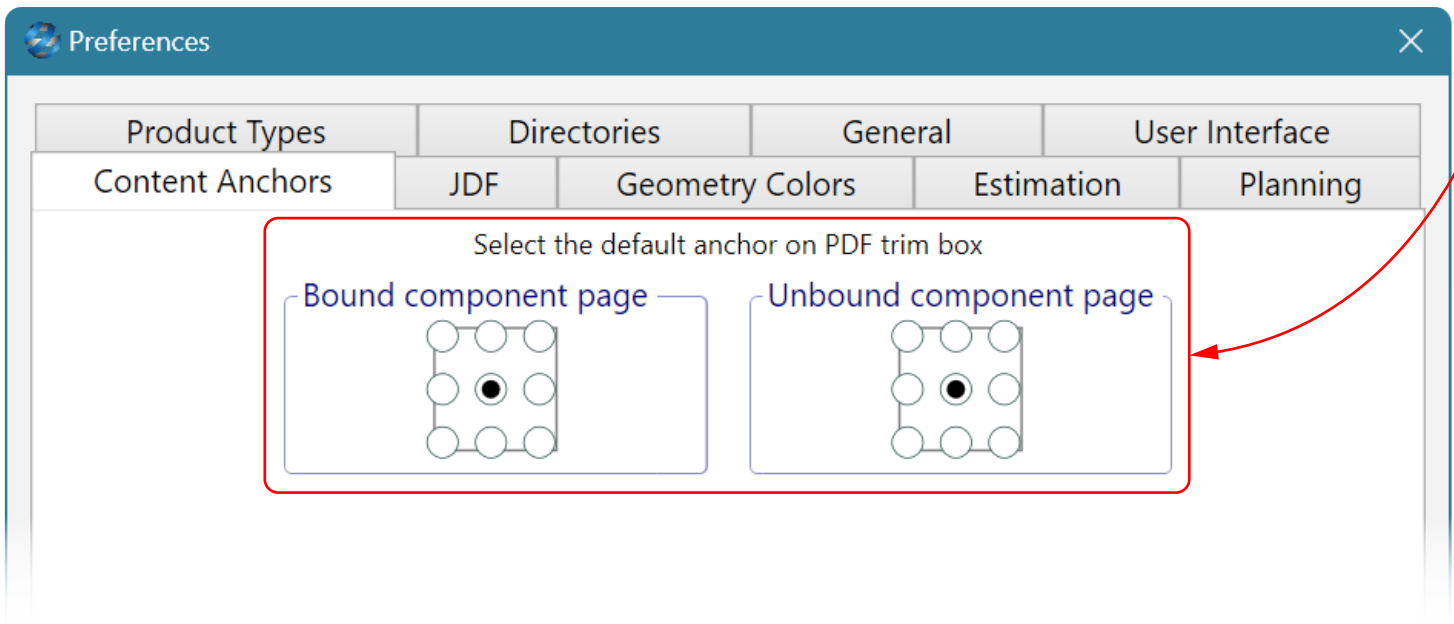
LINKER AUTOMATICALLY ASSIGNS ROTATED PDF/IMAGE ARTWORKS CORRECTLY

The Linker utility is used to automatically link PDF/Image artworks to saved PDT files based on a component name matching rule. It can link PDF/Image files even if they are rotated, resulting in wrong output.

In the latest version, the Linker utility now detects rotated PDFs and, if the dimensions of the components and rotated PDFs match, it links them with the correct rotation information, ensuring proper alignment with the component orientation.

For this to work, following conditions should match:

1. Any placeholder already assigned to the job is positioned using the “center” of the page. The content anchor position can be configured by navigating to “**Preferences > Content Anchors**” under the “**Tools**” menu.



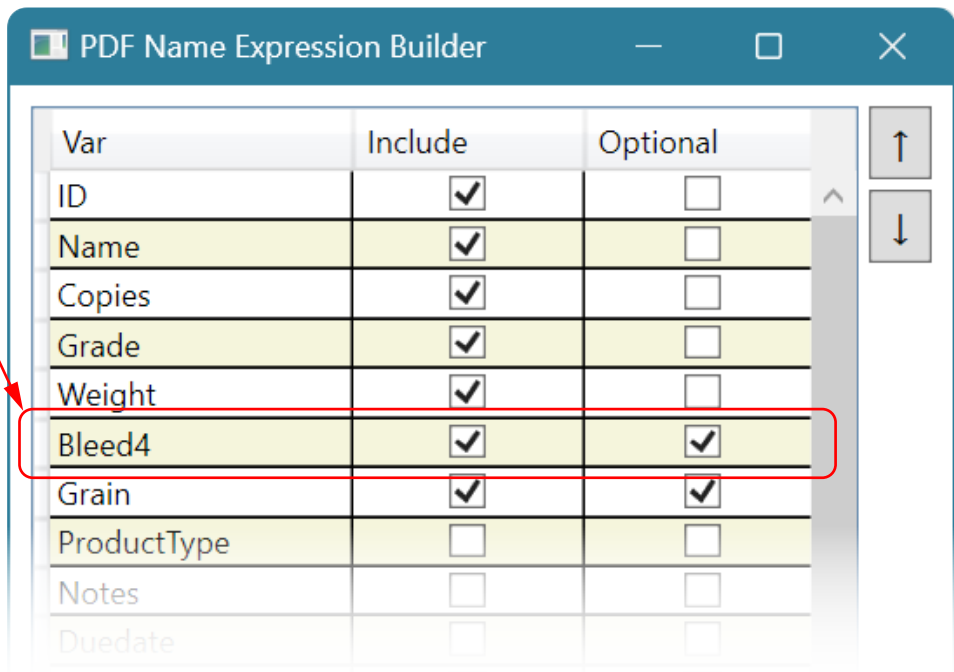
2. The sizes of the PDF/Image file does not match the size of the job with a **tolerance of 0.25 mm**.
3. The sizes match when **rotated by 90 degrees** with a **tolerance of 0.25 mm**.

REFINEMENTS

ASYMMETRICAL BLEED FROM PDF NAME EXPRESSION

Previously, only a single bleed value was supported when using PDF name expressions to define job parameters. Now, users can specify asymmetrical bleed values in the PDF name.

A new PDF name expression, "**Bleed4**", has been added to allow users to input different bleed values. For example, if a user wants a 1-inch bleed on the left and right edges and a 4-inch bleed on the top and bottom edges, they can enter it in the PDF name as "1 4 1 4." The software will then apply these bleed values after importing the PDF into the Imp UI or Imp Flow hot folders.



A new version of Imp’s PDF name expression builder utility, "PlutoView," is now available, featuring this new variable. You can download the latest version from this link:

<https://bit.ly/4iQofxr>

PlutoView consists of .exe and .dll files and does not require installation on your system. After downloading the .zip file from the link above, right-click on it, select "Properties," and if the "Unblock" option appears, click it, then apply and OK. After that, unzip the contents and place the folder in your desired location. This application requires the .NET 6 runtime. If it's not already installed, please install .NET 6 runtime on the system first.

PRIORITY-BASED JOB PLANNING

Imp Version 14 introduces significant enhancements to its ganging algorithms, enabling optimal planning of gang runs based on delivery schedules.

What’s New?

- **Delivery-Driven Planning:** Jobs are now prioritized and grouped efficiently to meet tight delivery deadlines.
- **Improved Performance:** Ganging operations are now 2X faster compared to earlier versions, ensuring quicker turnaround times and increased productivity.

These improvements empower users to achieve streamlined workflows and meet customer expectations with greater precision and speed.

IMP FLOW AND LINKER AS SERVICES

Imp Flow hot folder and Linker utilities used to work as services till version 12. In version 13, it was discontinued. Now, with Imp14, these utilities can be installed and run as services, eliminating need t start these manually on a system reboot.

For more information and detailed documentation on setting up Imp Flow and Linker as services, please contact your InSoft representative.

For more information, please write to:
ravi@insoftautomation.com or nainesh@insoftautomation.com

