





# OFFSET | DIGITAL | WIDE FORMAT | FLEXO

www.insoftautomation.com

Introducing Imp Version 12, built on latest Windows .Net 5 framework and Adobe PDF library. With a host of new features and refinements, it takes layout plannig, ganging, imposition and estimation to a new level.

Imp version 12 requires a fresh install. It does not require uninstalling older versions. It can be installed parallel to older versions.

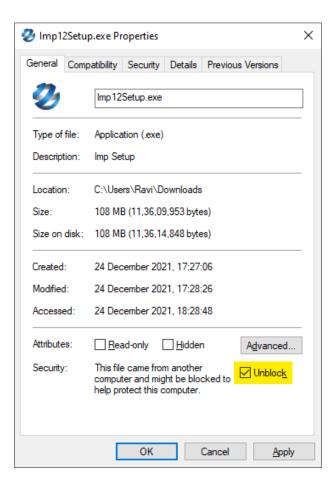
# **INSTALLER**

Imp version 12 installer (64-bit) can be downloaded from this link: https://www.dropbox.com/s/fut2ymgnj415nw2/Imp12Setup.exe?dl=0

# **INSTALLATION PROCEDURE**

Please follow the steps below to install Imp version 12:

- 1. Download the installer from above link
- 2. Right click the installer > Properties > Click on "Unblock" > Apply & OK
- 3. Run the installer
- 4. If .Net 5 is not installed on the system, installer will prompt and guide you to download .Net5 installer and run it.
- 5. After successful installation, activation window will come up.
- 6. Close this window



# **MIGRATION PROCEDURE**

Please follow the below procedure to migrate Imp data from old installs to version 12:

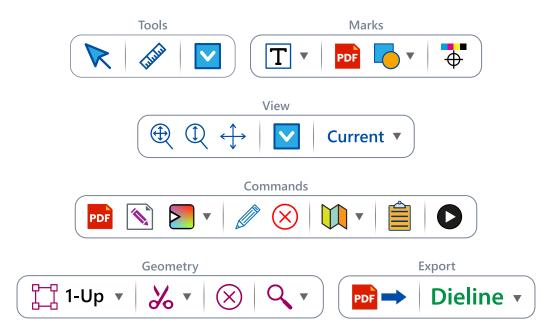
- 1. Launch your older install of Imp
- 2. For serial key users Go to Help menu > About > Click on "Update license" (please ensure you are using Imp Version 9.1 Build 24.058 or later).
- 3. This will upgrade version 9.1 license to support version 12
- 4. Go to Tools menu > Advanced > Export Configuration Data > Save this file
- 5. Go to Imp9 install folder in C drive > InSoft Automation > Imp9 > Copy "Data" & "Marks" folders, impui.ini, bot.ini (if available) and Imp4.db files.
- 6. Paste the folders and files inside Imp V12 install folder in C drive > InSoft Automation > Imp12
- 7. Launch Imp V12.exe > Go to Tools menu > Advanced > Import configuration data > Select the file saved in Point 4 and import it
- 8. On successful import Imp V12 will shutdown
- 9. Launch Imp V12.exe and Imp Flow, and you can start working.

# **FLOATING LICENSE USERS**

Users using Imp's floating license service need an upgrade to latest "Farm10" and license file compatible with version 12. Please contact your InSoft Automation representative to arrange the upgrade and the new license file.

# **NEW ICONS**

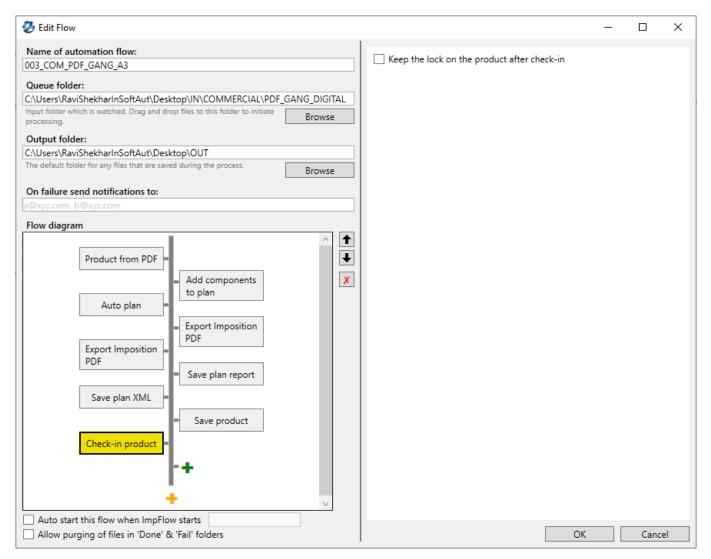
Imp Version 12 user interface offers new colorful icons for easy identification and navigation.



# **NEW FEATURES IN VERSION 12**

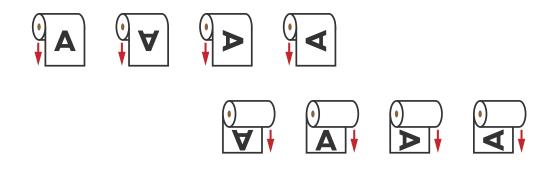
### **1. Check-In function in Imp Flow**

When jobs are processed in Imp Flow, there was no option to add/save them to the "Job Database" maintained by Farm service. A new action "Check-in product" is added to Imp Flow to do this.



## 2. Unwinding direction for labels

Imp now supports selection of "Unwinding direction". This can be set in unbound component properties and Imp will place the label on reel-cut layout in required orientation.



## 3. Auto-adjustment of gap between labels for continous roll printing

When labels are planned for continous roll printing, the gap between each label should be uniform. Till now, the gap between each label was set by static bleed value. This resulted in layouts with irregular gap in the beginning and end of each layout (sleeve).

Now, in version 12 we have a new Auto-plan option settings as highlighted below to ensure the gap between each label is uniform. This option works with "Rectangular nesting" algorithm only.

🤣 Auto Plan	1 Settings			×				
Planning Pre	eset: FLEXO			v				
Machines	Sheets & Rolls	Algorithm	Options					
Apply sta Allow tri Allow sta Set shee when it	<ul> <li>✓ Add marks</li> <li>✓ Apply standards automatically</li> <li>✓ Allow trimming of sheets to fit the press</li> <li>Allow step and repeat of a smaller die</li> <li>Set sheet trim to remove additional white space when it is more than: 5mm</li> <li>✓ Horizontal alignment of items on layout</li> </ul>							
√ Sheetwi	· · ·	√ Work	and turn					
√ Work ar	nd tumble	√ Simp	lex					
√ Perfecto	or convertible	√ Perfe	ctor tandem					
Constraints								
Disallow	Disallow multiple pass printing for inks							
✓ Disallow	✓ Disallow multiple pass printing for coatings							
Ignore guillotine cutting cost								
Stack jobs only vertically								
✓ Only one job per column ✓ Continuous reel								
	Continuous ree							
Defaults			ОК	Cancel				



**Printing Direction** 

## 4. Smart Print & Cut workflow for banners

As ganging is important for overall optimization, so is the job "Metadata" for efficient identification and tracking of jobs on ganged sheets. This is critical for an overall efficient workflow; to add "Barcode or QR code" and "Text mark" with job metadata on each job on the layout.

These marks are added on a tear-off flap on any edge as part of cut-path (red outline) as in illustration below:



미있며 ZB Trek Poster 미국 10 Jan 2022 - PO 26563

This requires users to add the cut-line path and the flap at design stage to each artwork or can be done using automation tools like Switch.

Imp V12 now supports auto-generation of cut-line path with flap along with barcode/QR code, text mark automatically to each artwork.

This feature is implemented by using Imp's dynamic marks template that allows user to create cut-line path using geometry tools by entering dimensions using parametric expressions such as "TrimWidth" and "TrimHeight" for dimensions.

A new option to "Import geometry from marks" is also added to the Geometry import options to facilitate import of die-lines from geometry marks.

Please download the sample marks template and video showing full functionality from this link:

https://insoftautomation-my.sharepoint.com/:f:/p/ravi/ErAUNQauVnJBgjLnFQJVYmQBgxF\_H\_s -CtS2ZoLtBSOyzA?e=S91EV4

## **5. New option "Do not rotate" components on layout**

To ensure rectangular unbound jobs are not rotated on the layout, the only option available was to set the grain direction of component and press sheet. This was an inelegant solution. To address this issue, we now have a new option in component direction "Do not rotate". With this option selected, the components will not be rotated on the layout.

🤣 Unbound Component Properties	×
Basic Job Printing	
Columns: 1 Rows: 1 Page labels: 1-*	Actions
Group:	Actions
Media	
Material: COATEDPAPER, 130gsm	
Grain direction: Either Y Save a	as default
Paper mill/brand: Either but consistent	
Reel unwinding: Vertical	,
Printing Either	
Eront side	
Colors: CMYK	
Coating:	
Back side	
✓ Same colors as front Same art w	vork as front
Colors: CMYK	
Coating:	
S More O	K Cancel

#### 6. Option to generate "marks" in separate layers

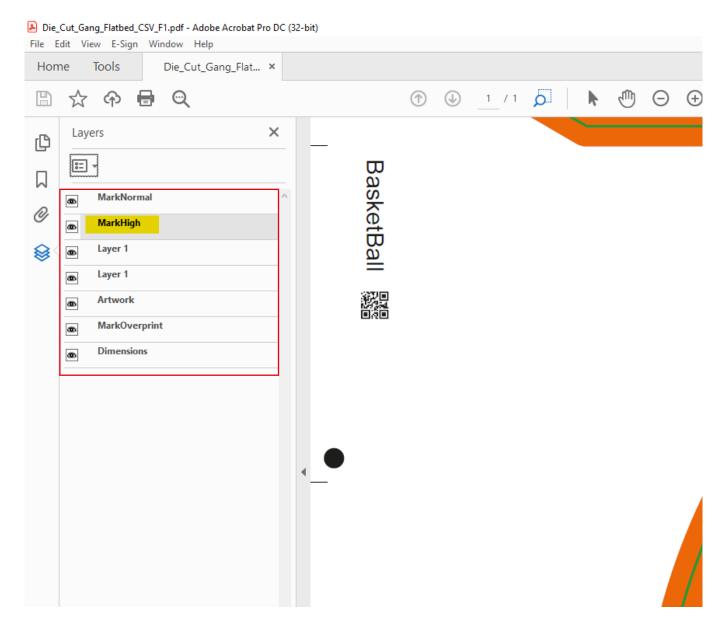
Downstream file processing can be easy if marks are placed in a separate layer in exported PDF. This way artwork and marks are in separate layers and can be turned on or off independently, as per requirement. To generate marks in separate layers we now have a new preference "Create separate layer(s) for marks during PDF export".

Preferences						;	
Content Anchors	JDF	Geometry	/ Colors	Estir	nation	Planning	
Product Types	Di	rectories	Gene	General		lser Interface	
Section <u>n</u> umbering: abc	v	Station <u>n</u> umbe		everse			
Center fold mark:		Round up cut-off value for sheets cut from reels					
Over page content ~		Prefer PDF page size when importing CSV-Format 2					
Preferred job order on la	yout:	Rotate jobs clockwise instead of anticlockwise					
Column wise	~	Position cr	op/fold ma	rks from	trim (inste	ead of bleed)	
Compute outline fudge l	ength:	✓ Create separate layer(s) for marks during PDF export					
0.5		Copy metadata from input PDF to imposed PDF					
		Change/set component name when PDF is dropped					
		Preferred deriv	/ed sheet si ] 1/3 ☑ 1		-	8	

The layers are generated based on set "Prioirty" for each mark. Marks of same priority are generated in same layer. Example: The camera registration marks are placed with "High" priority.

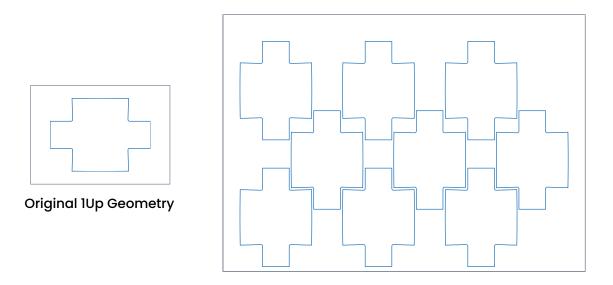
🤣 Edit Ellipse Mark	×
Width: 3mm Y	leight: 3mm ~
☐ <u>Stroke</u> <u>Thickness:</u> 1	
Color: K	Priority:
<ul> <li>✓ Is a print mark</li> <li>✓ Is a die mark in Dot</li> <li>☐ Is an outline mark in Cut</li> </ul>	layer layer
Defaults	OK Cancel

In the final exported imposed PDF, Imp creates a layer "MarksHigh" and generates all marks with high priority in it.

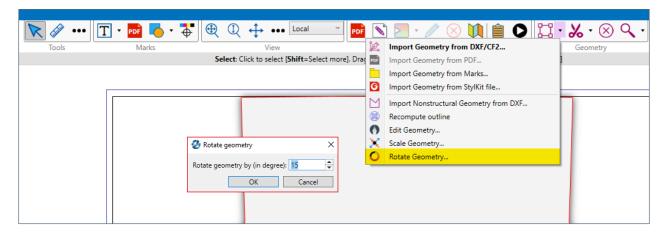


## 7. Option to "Rotate" 1Up geometry to an arbitrary angle

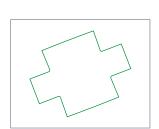
Some die-cut shapes offer better interlocking if they are rotated arbitrarily. Till now Imp supported rotation by 90° angle only. This resulted in wastage on layout as below:



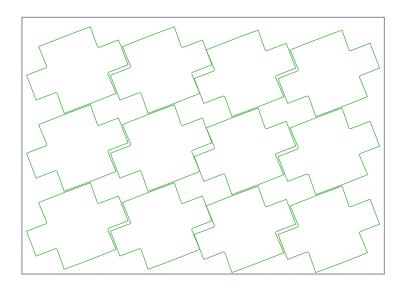
In version 12, under "Geometry" tools in unbound component editor, a new "Rotate Geometry" tool is available.



When the above job is rotated by 15°, it results in a better optimized layout.



**Rotated 1Up Geometry** 



## 8. Collecting & gathering order and positioning of partial signature

The collecting or gathering order and position of partial signature was controlled through preference setting till now. These were global settings which cannot be modified as per selected binding method on the job.

Now, in Version 12 these settings are moved from preference to "Binding method" database. This way user can create multiple binding methods with differnt collecting/gathering orders and partial signature position.

Binding Method Database						
Choose to edit						
Perfect Binder				Ý	<u>A</u> dd	<u>R</u> emove
Jog Collation Mark	5	pine Co	llation M	lark	Sign	nature marks
<u>B</u> asic <u>C</u> onstra	ints	Size	limits	Fol	ding	Stacking
Name: Perfect Binder						UID: 0
Process: Collecting	1 .	✓ Gather	ing ٱ	✓ Eq	olding	
Margins	И					
2mm ▲ ↓ Lap: <u>N</u> Up excess: <u>F</u> lush:	3mm Peids 3mm 0mm 0mm 2mm	Jog	on Low	/ folio *	< \	y Jp pages
Collecting order:			<u>P</u> artial sig			
Big to small	×		Second	from la	st	¥
						Done

#### 9. Rotate all input unbound rectangular jobs by 180°

For some specific printing applications, the incoming unbound rectangular jobs should be rotated by 180° angle.

For this a new settings "RotateAllIncomingUnboundJobBy180=1" in impui.ini file is available.

Possible values for this setting in impui.ini are 0 & 1 - 1 to enable and 0 to disabled.

Procedure to set the flag:

- 1. Close Imp or Imp Flow if running
- 2. In Imp V12 installation folder in C drive > InSoft Automation > Imp V12 > Locate impui.ini file
- 3. Open this file in Notepad
- 4. Type RotateAllIncomingUnboundJobBy180=1 and Save the file
- 6. Launch Imp and Imp Flow
- 7. Now, all input files will be rotated by 180° automatically on import

## **10. Fixed "N-Up" margin between signatures**

For N-Up finishing with fixed blade width, a fixed N-Up value is required. Till now, Imp used to calculate margin between N-up signatures by adding jog and non-jog trim margins, which resulted in more space than required for fixed blade width.

Now, we have a new option in binding method to ensure that only N-Up excess value is applied between the signatures. If the option "Only this between Nup pages" is not selected, the margin between signatures will also include Jog and Non Jog trim margins.

Saddle Stit	edit ch		v	<u>A</u> d	d <u>R</u> en	nove
Stac	king	Jog Collatio	n Mark	Sign	ature marks	5
<u>B</u> asic	: <u>C</u>	onstraints	Size lim		Folding	
Name:	Saddle Stitch				UID: 1	\$
Process:	✓ Collecting (	🖞 🗌 Gath	ering 🗍 🛛 🔽	<u>Folding</u>		
Margins		JI. — <u>–</u>				
0	mm 🛓		3mm	•		
	<u>L</u> ap:		on High fol		×	
					NUp pages	
	<u>N</u> Up excess:	4mm	<u> </u>	between	11.5	
	<u>N</u> Up excess: <u>F</u> lush:			between	11.5	
<u>C</u> ollecting	<u>F</u> lush:		<u> </u>			

#### 11. Support for online reel-sheeter in sheet-fed offset presses

Sheet-fed offset presses with online reel-sheeter attachment can only print on sheets cut from reels. While planning Imp should not consider any mill sheet sizes. Only reels should be considered.

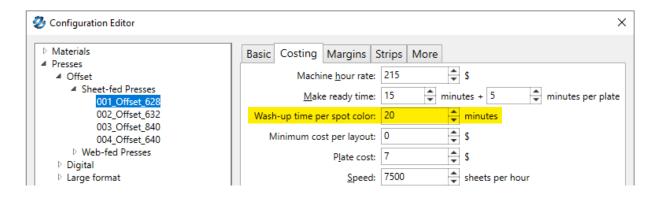
In Imp V12 we have added a new option "Has online reel sheeter" in sheetfed offset presses under "More" tab as below. If this option is selected, only reels will be considered for planning.

Ø Configuration Editor	×
<ul> <li>Materials</li> <li>Presses</li> <li>Offset</li> <li>Sheet-fed Presses</li> <li>001_Offset_628</li> <li>002_Offset_632</li> <li>003_Offset_840</li> <li>004_Offset_640</li> <li>Web-fed Presses</li> <li>Digital</li> <li>Large format</li> <li>Flexo</li> <li>Guillotine Cutting Machiner</li> </ul>	Basic       Costing       Margins       Strips       More <ul> <li>Perfecting Press</li> <li>With Perfecting tumble cylinder (Convertible) after</li> <li>With two Blankets in same unit (Tandem)</li> <li>This perfecting press cannot print sheetwise</li> <li>Center job(s) vertically</li> <li>Allow work&amp;turn/tumble workstyles</li> <li>Has online reel sheeter</li> <li>Cannot print on the following materials:</li> </ul>

#### 12. Spot inks wash-up/make-ready time in offset presses

When the spot color changes, inking units must be washed which adds to the layouts make-ready time. It is an important consideration when planning jobs with different spot inks. Till now, Imp was not taking this into account.

Now in Version 12 we have added a new field to enter wash-up or make-ready time for spot inks.



#### 13. Option to define Click-cost "per area"

Digital presses can have a fixed click-cost irrespective of sheet size or can have different click-cost for different sheet sizes.

In Imp V12 user can define either click-cost common for all sheet sizes or click-cost per sq. meter. For US system, the option will be per sq. feet.

With per sq. meter click-cost, you can get different printing costs for different sheet sizes.

🤣 Configuration Editor		$\times$
▶ Materials	Basic Costing Margins Strips More	
Presses     Offset     Sheet-fed Presses	Machine hour rate: 50 🔷 \$	
001_Offset_628 002_Offset_632	Make ready time: 1 Speed (simplex): 3000 sheets per hour	
003_Offset_840 004_Offset_640	Speed (duplex): 3000 sheets per hour	
<ul> <li>Veb-fed Presses</li> <li>Digital</li> </ul>	Press make ready wastage: 0 + sheets	
<ul> <li>Sheet-fed Presses</li> <li>009_Digital_A3</li> </ul>	Press running wastage: 0 🔦 %	
010_Digital_B2 ▷ Web-fed Presses	Click Cost per sheet  Proc per sheet  Spot colors Coatings	וך
▷ Large format ▷ Flexo	0.025 per sq. meter 0 🔷 \$ 0 🗣 \$	
Guillotine Cutting Machines     Die Cutting Machines     Die Making Setup     Digital Cutting Machines	Clone this press Delete this press	
<ul> <li>Emboss Block Making Setup</li> <li>Braille Block Making Setup</li> </ul>		
<ul> <li>Foiling Block Making Setup</li> <li>Reel Sheeting Machines</li> </ul>		

## 14. Option to define minimum sheet count

There are some printers who gang small quantities on offset presses. They need to print minimum sheets per layout while ganging.

In Imp V12, we now have an option to define "minimum sheets" in auto-plan settings as below:

🤣 Auto Plan	1 Settings			×			
Planning Pre	eset: RECT GANG			v			
Machines	Sheets & Rolls	Algorithm	Grouping	Options			
Machines       Sheets & Rolls       Algorithm       Grouping       Options         ✓       Add marks         ✓       Agply standards automatically         ✓       Create new combinations of colors & coatings         ✓       Allow trimming of sheets to fit the press         △       Allow step and repeat of a smaller die         ○       Offset jobs to align cut edges on the outside         ○       Set sheet trim to remove additional white space         when it is more than:       5mm         ✓       Horizontal alignment of items on layout         Centered       ✓							
Allowable v	-	√ Work	and turn				
•	nd tumble or convertible	√ Simpl √ Perfe	lex ctor tandem				
Constraint	s						
✓       Disallow multiple pass printing for inks         ✓       Disallow multiple pass printing for coatings         □       Ensure same orientation for same size jobs         ✓       Ignore guillotine cutting cost         □       Limit sheet count per layout to 50,000							
V Minimur	✓ Minimum sheet count per layout 100						
<ul> <li>Limit number of components on layout to 10</li> <li>Stack jobs only vertically</li> <li>Only one job per column</li> <li>Continuous reel</li> <li>Fixed sequence of jobs (Grid nesting only)</li> </ul>							
Defaults			OK	Cancel			

## 15. Allow selected workstyles for layout planning

Till now Imp used to select the workstyle depending on the press configuration. Few customers wanted to have control on the workstyle while planning.

In Imp V12, we now have option to select workstyles that must be considered while planning.

🤣 Auto Plan Settings	×				
Planning Preset: RECT GANG	v				
Machines Sheets & Rolls Algorithm Grouping C	Options				
Machines       Sheets & Rolls       Algorithm       Grouping       Options         ✓       Add marks       ✓       Apply standards automatically       ✓       ✓       Create new combinations of colors & coatings         ✓       Allow trimming of sheets to fit the press        Allow step and repeat of a smaller die         Offset jobs to align cut edges on the outside       Set sheet trim to remove additional white space when it is more than:       5mm       ↓         Horizontal alignment of items on layout       Centered       ✓					
Allowable workstyles					
√ Work and tumble √ Simplex					
✓ Perfector convertible ✓ Perfector tandem					
<ul> <li>✓ Perfector convertible ✓ Perfector tandem</li> <li>Constraints</li> <li>✓ Disallow multiple pass printing for inks</li> <li>✓ Disallow multiple pass printing for coatings</li> <li>Ensure same orientation for same size jobs</li> <li>✓ Ignore guillotine cutting cost</li> <li>Limit sheet count per layout to 50,000</li> <li>✓ Minimum sheet count per layout 100</li> <li>✓ Limit number of components on layout to 10</li> <li>✓ Stack jobs only vertically</li> <li>Only one job per column</li> <li>Continuous reel</li> <li>Fixed sequence of jobs (Grid nesting only)</li> </ul>					
Defaults OK	Cancel				

### **16. Imp Flow - Option to dock print area on the layout**

In ImpUI a user can dock the print area to any corner or center of an edge. This functionality was required in Imp Flow hot folder automation as well for handsfree processing.

In Imp V12, we have a new action "Dock print area on the layout" in Imp Flow to select the layout docking position as below:

🤣 Edit Flow			_		Х
Name of automation flow:	_				
003_COM_PDF_GANG_A3	Dock print area to:	Center ~			
Queue folder:		Center			
C:\Users\RaviShekharInSoftAut\Desktop\IN\COMMERCIAL\PDF_GANG_DIGITAL		Left-Bottom			
Input folder which is watched. Drag and drop files to this folder to initiate		Right-Bottom			
processing.		Right-Top			
Output folder:		Left-Top			
C:\Users\RaviShekharInSoftAut\Desktop\OUT		Left-Center			
The default folder for any files that are saved during the process. Browse		Bottom-Center			
On failure send notifications to:		Right-Center			
a@xyz.com, b@xyz.com		Top-Center			
Flow diagram					
Product from PDF   Add components   to plan     Auto plan     Export Imposition   PDF     Export Imposition   PDF     Save plan report   Save plan report   Save plan XML     Save product     Auto start this flow when ImpFlow starts					
Allow purging of files in 'Done' & 'Fail' folders		ОК		Cance	el

#### 17. Imp Flow - Add marks to unbound components

In Imp, we have an option to add "Job marks" to unbound components. As different types of unbound component can have different marks requirement, a user could manually apply a different marks template as per requirement.

In Imp V12, the same can be accomplished in a hands free manner using the new "Add job marks" action.

🐉 Edit Flow	- 🗆 X
Name of automation flow:	[ ]
003_COM_PDF_GANG_A3	✓ Delete all existing marks
Queue folder:	Add marks
C:\Users\RaviShekharInSoftAut\Desktop\IN\COMMERCIAL\PDF_GANG_DIGITAL	Portrait
Input folder which is watched. Drag and drop files to this folder to initiate processing. Browse	
Output folder: C:\Users\RaviShekharInSoftAut\Desktop\OUT	All: Barcode+Text Y
The default folder for any files that are rayed during the process	
Browse	
On failure send notifications to:	
a@xyz.com, b@xyz.com	
Flow diagram	
Product from PDF   Add job marks   Add job marks   Auto plan   Export Imposition   PDF   Save plan report   Save plan report   Save plan XML   Save product   Auto start this flow when ImpFlow starts	
Allow purging of files in 'Done' & 'Fail' folders	OK Cancel

# **18. Support to define different papers and page range in a single bound component in XML input**

"Carbon copy forms" are printed on papers of different colors. Till now, Imp's XML input format did not support creation of such bound components where different sections of pages were on different paper type.

To tackle this issue, <BoundComponent.PrintDefs> attribute is introduced in bound component PPXML input to define page range and material on which it needs to be printed. As in below screenshot, pages 1 to 4 are defined on different color papers.

```
<BoundComponent.PrintDefs>
<PrintDef StartPage="1" EndPage="1" Material="WHITE, 130gsm"/>
<PrintDef StartPage="2" EndPage="2" Material="GREEN, 130gsm"/>
<PrintDef StartPage="3" EndPage="3" Material="PINK, 130gsm"/>
<PrintDef StartPage="4" EndPage="4" Material="YELLOW, 130gsm"/>
</BoundComponent.PrintDefs>
```

#### Download latest Imp XML specification document from this link:

```
https://insoftautomation-my.sharepoint.com/:b:/p/ravi/EYMXuyS-jYsIDtiUA50ZJuXMBopon7Jj8GvQUgROU0I1Y4w?e=e404gv
```

#### 19. Sync configuration - Disable "Push" option

When using "Sync configuration" feature, any user was able to "Push" and "Pull" configuration data. For a secured working, it is better to give "Push" option only to admin users.

In Imp V12, "Push" option can be disabled by setting "AllowPushConfig=0" in impui.ini file..

Procedure to set the flag:

- 1. Close Imp or Imp Flow if running
- 2. In Imp V12 installation folder in C drive > InSoft Automation > Imp V12 > Locate impui.ini file
- 3. Open this file in Notepad
- 4. Type "AllowPushConfig=0" and Save the file
- 6. Launch Imp > Tools > Sync Configuration data
- 7. Push option is not available, only "Pull" option is available to update the latest configuration data

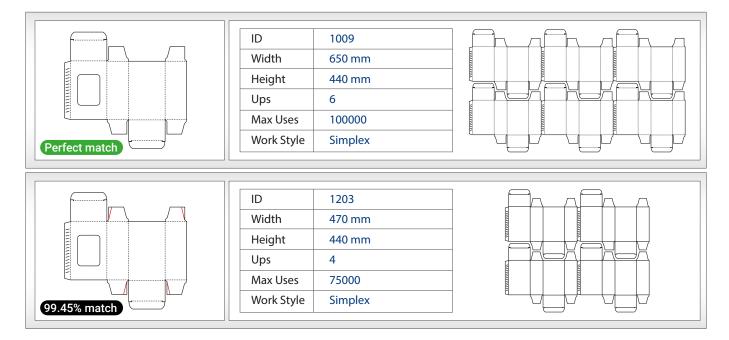
🤣 Synch Configuration Data	×
D:\Test_CONFIG\CONFIG.ImpConfig	
Click to change synch location	
Synch Status The configuration data is in synch.	
Pull         Overwrite local changes           Image: Pull automatically at startup if a newer version is available	

# **FEATURE REFINEMENTS IN VERSION 12**

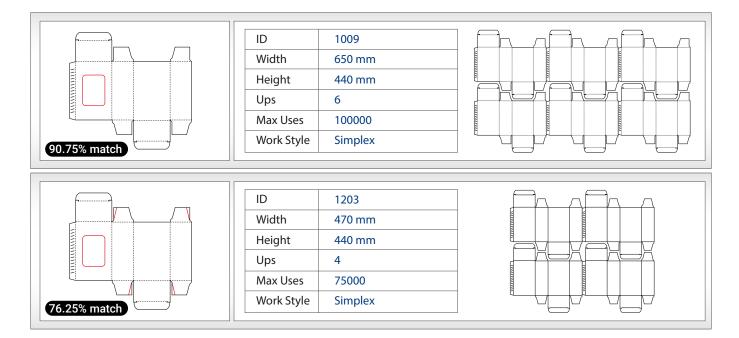
#### 1. Die-matching improvements

Imp's die-search mechanism to find out a matching die for a new job used to consider only the outer cut-line path. Any mismatch in the inner parts was ignored.

In below example, the window in the carton was ignored and die-database showed 100% perfect match.



Now, Imp V12 offers die-search considering inner closed paths also.

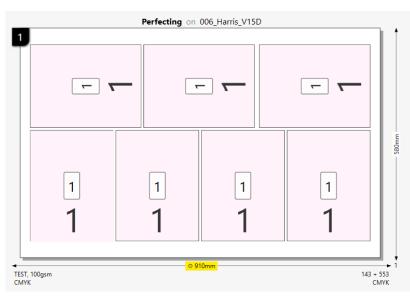


While die-matching, if there are line segments, arcs or any other open shapes inside cutline path, these will not be considered.

## 2. "Allow trimming of sheets to fit the press" should work for reels

In Imp's auto-plan settings, "Allow trimming of sheets to fit the press" option if selected will trim the big mill sheets to fit the press. This option was limited to sheets only. Now it is extended for reels also, with maximum of 25% trim wastage.

🤣 Auto Plan Settings 🛛 🗙 🗙					
Planning Pre	eset:		v		
Machines	Sheets & Rolls A	Igorithm Options			
✓ Add mar	ks				
✓ Apply sta	andards automatically				
✓ Allow trip	mming of sheets & ree	els to fit the press			
Allow ste	ep and repeat of a sma	iller die			
Set shee	t trim to remove addit				
when it	is more than: 5mm	* *			
Horizontal a	alignment of items on	layout Centered	~		
	2				
Allowable w					
√ Sheetwi	se	$\checkmark$ Work and turn			
√ Work ar	nd tumble	√ Simplex			
✓ Perfecto	or convertible	√ Perfector tandem			
Constraint	s				
	-	for joke			
Disallow multiple pass printing for inks     Disallow multiple pass printing for contings					
Disallow multiple pass printing for coatings     Ignore guillotine cutting cost					
	2				
	os only vertically ly one job per column				
	Continuous reel				
Defaults		OK	Cancel		



Cost	\$ 356.43	\$ 358.30	\$ 360.94
Material cost	\$ 45.05	\$ 46.60	\$ 48.80
Paper wastage	84.34%	84.86%	85.54%
Press	006_Harris_V15D	006_Harris_V15D	006_Harris_\
Press cost	\$ 311.38	\$ 311.69	\$ 312.14
Cutting	Cutting_Mc	Cutting_Mc	Cutting_Mc
Cutting cost	\$ 0.00	\$ 0.00	\$ 0.00
Digital cutting			
Digital cutting cost	\$ 0.00	\$ 0.00	\$ 0.00
Sheet	580mm x <mark>⊙ 910mm ↑</mark>	🜐 580mm x ⓒ 910mm † 印	580mm x 📀
Parent sheet/reel	930mm	930mm	930mm
Sheet count	143 + 553	167 + 553	200 + 554
Elements	1	<mark>0</mark> 1 O	1
Work style	Perfecting	Perfecting	Perfecting
Select Properties			
Showing: 3 / 3	<		>

#### 3. Option to control derived sheets

Imp can plan on derived sheet sizes from mill sheets as per the constraints of printing and finishing devices such as guillotine cutting, die-cutting or digital cutting devices. Till now, user can't control which derivates to be used.

In Imp V12 preferences, user can now select the derivatives to be considered for planning:

🤣 Preferences						>
Content Anchors	JDF	Geometry	y Colors	Estir	mation	Planning
Product Types	Di	)irectories Gen		ral User Ir		Interface
Section <u>n</u> umbering:	Ŷ	Station <u>n</u> umbe		everse		
<u>C</u> enter fold mark:		Round up			eets cut fro	om reels
Over page content	<ul> <li>Prefer PDF page size when importing CSV-Format 2</li> </ul>					
Preferred job order on layout:		Rotate jobs clockwise instead of anticlockwise				
Column wise	~	Position cr	rop/fold ma	rks from	trim (inste	ead of bleed)
Compute outline <u>f</u> udge length:		✓ Create separate layer(s) for marks during PDF export				
		Copy metadata from input PDF to imposed PDF				
		Change/set component name when PDF is dropped				
	Preferred deri	ved sheet si 1/3 🔽 1			8	

#### 4. Impui.ini flag settings moved to preferences

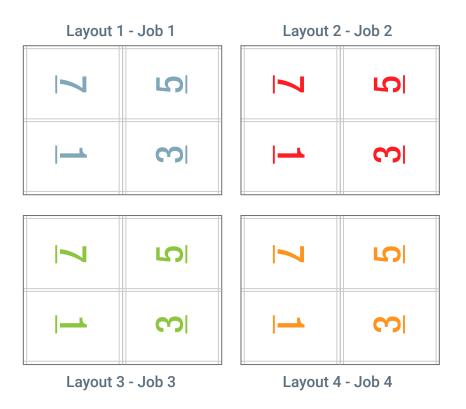
Impui.ini file settings flags are provided as a first cut of development delivery for specific requiremetns. Once the features stabilize, they are moved to Imp's preferences.

Many features developed in Imp9 are now moved to preferences in Imp V12. Below is screenshot of these new options under planning tab:

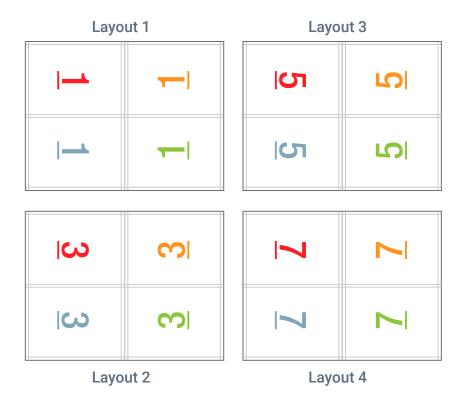
Preferences ×						
Product Types	Directories Gener		ral	User	Interface	
Content Anchors	JDF	DF Geometry Colors		Estir	mation	Planning
<ul> <li>Remove excess stations</li> <li>Don't optimize orientation for single cuts</li> <li>Don't gang signatures on digital web presses</li> <li>Don't change sheet size defined in LYT</li> <li>Derive smaller sheets by halving shorter side too</li> <li>Optimize roll cut-off up to 2mm</li> <li>Consider cutting cost for bound component planning</li> <li>Allow portrait layouts on non-portrait presses</li> </ul>						

## 5. Bound jobs ganging

Imp's ganging engine used to gang only signatures of a single bound component. It does not combine signatures of different bound components, together on the same layout. This results in greater number of pallets for finishing as each layout will be cut, collated, and finished separately.



In Version 12 of Imp, this issue has been addressed. Now, the software can plan signatures of different bound components (but same page count) on the same sheet for better control and efficiency in collation and finishing.



#### 6. Ignore orientation while saving and re-using LYT files

Till now, Imp's LYT files are saved with job orientation. A LTY file saved using a portrait job can't work for a landscape job of same size.

Now, LYT files used in Imp V12 are orientation free. Users can use LYT files saved even in older versions, using any orientation - portrait or landscape, and they will work for both orientations.

#### 7. Support to import additional geometries from PDF file

Till now, Imp used to support import of only 3 geometries from input PDF files as Cut, Crease and perforation layers as below:

Import Geometry from PDF ×				
<u>C</u> ut lines:	CUT			
C <u>r</u> ease lines:	CREASE			
Perforation lines:	PERFORATION			
Content outline:	9			
	Repeat for other components	5		
<u>M</u> emorize	OK Cancel			

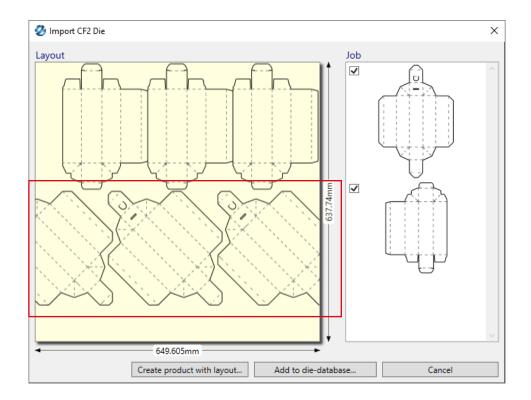
In case there are more geometries such as "Kiss Cut" "Half Cut" "Drill" in the input file, Imp used to ignore these.

Imp V12 can now import any number of geometries under "Others" tab:

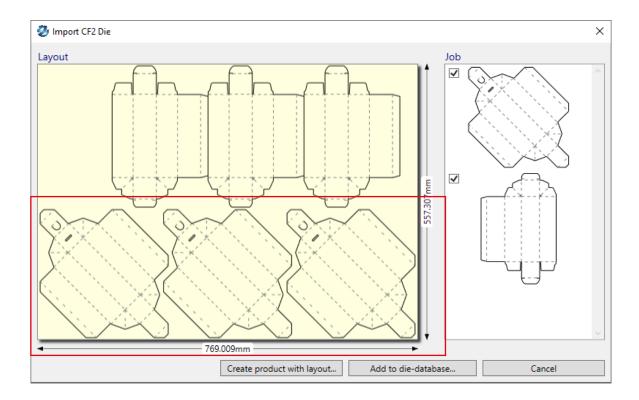
🤣 Import Geome	try from PDF		×
Cutting:	CUT	v	Others: Varnish
Creasing:	CREASE	v	PERFORATION
Perforation:	PERFORATION	¥	CUT
Content outline:	None	¥	Kiss-Cut Half-Cut
			Repeat for other components
Memorize			OK Cancel

#### 8. Support to Import CF2 dies with 1Up placed in arbitrary rotation

Till now, Imp could only import CF2 die layouts with ups placed in orientations of 0°, 90°, 180° & 270°. If 1Up designs are placed at an arbitrary angle, as in below image, Imp used to skip the placements in bottom row.



Imp V12 supports the import of such die-layouts with 1Up placed at arbitrary rotation.



# 9. Digital Printing - Ignore make-ready time and wastage for similar layouts in a plan

Till now, Imp considered added make-ready time and wastage for every layout even if some of them are on the same press, sheet and workstyle. On digital presses, such similar layouts can be printed with single make-ready. This is fixed in version 12.

#### 10. Option to control auto-start of flows for different users

The option "Auto start this flow when ImpFlow starts" is a convenient option to automatically start flows when ImpFlow is started. However, in multi-user environment, this leads to problems.

✓ Auto start this flow when ImpFlow starts
☐ Allow purging of files in 'Done' & 'Fail' folders

In version 12, each flow can be assigned a user affinity and only on that user's ImpFlow install will that flow auto-start on startup.

For this, set "UserName" in impui.ini file. This is not system user name. It is just a unique name for an Imp user.

Follow below procedure to set the impui.ini file:

- 1. Close Imp or Imp Flow if running
- 2. In Imp V12 installation folder in C drive > InSoft Automation > Imp V12 > Locate impui.ini file
- 3. Open this file in Notepad
- 4. Type "UserName=XYZ" (XYZ is only for sample) and save the file
- 6. Launch Imp and Imp Flow
- 7. In Imp Flow > Select the flow > Edit > Enter the UserName as defined in the Impui.ini file in "Auto start this flow when ImpFlow starts" field. This flow will only start for this user.



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For any queires or technical support, please email us at: ravi@insoftautomation.com | nainesh@insoftautomation.com



www.insoftautomation.com