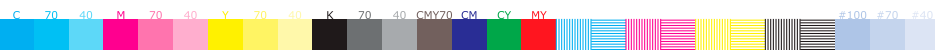4.5

Imposition Studio
User Guide

Windows & Mac OSX

User Friendly Professional Imposition Software
for Digital & Offset Printing Presses

Devalipi Software
www.devalipi.com

Features

- Easiest Imposition Software Ever!, Creates any Layouts with 4 mouse clicks!.
- Standalone Application. No Third Party Applications Required
- Ultra Fast PDF engine
- Any Number of Pages in a Signature
- Live Signature Preview
- Fully Customizable Signature Layout Editor
- Allow Multiple PDF Files as Links
- Re-Usable Templates
- Automated Workflow
- Batch Output
- Hot Folder Compatible PDF Output
- Automatic Creep Control with Cross-Over Page Support
- Customizable Crop, Folding, Lay and Collating Marks
- Automatic & Manual Pagination
- Perfect Binding, Saddle Stitching and Cut & Stack
- Digital, Film & CTP Output Support
- Arabic Book Layout Support
- Supports Page Cloning for Mini/Micro booklets
- Seamless Support for Windows & Mac

What is new in this version

- Creates any New Layouts with 4 mouse clicks.
- All new Automatic New Layout Assistant.
- New Layout modes - Book, Brochure & Cut & Stack.
- Huge Speed improvements on Open, Preview, Output, Import, Color check etc...
- Single Cut method added for Cut & Stack.
- Work & Turn option in New Layout Assistant & Signature Settings.
- Layout Page Number Preview in New Layout Assistant
- Preserving Pagination including Numbers on Signature layout adjustments.
- Added ability to Move Pages in Signature Preview
- Ruler on Signature Viewer
- Multi File Selection in PDF Links Window
- Collating Marks
- Editing of Folding / Binding Gaps affects both Signature Sides
- More options for Slug Line
- More options for Color Strip
- More Signature Commands
- Paper Size display in Signature Viewer.
- Many Bug fixes

Index

Windows and Controls

Workflow Automation

Utilities

Commands

How to do's

Imposition Studio is available for both Windows & Mac OSX.
All options are available for both platforms regardless of Screen shots in this Guide .

Windows and Controls
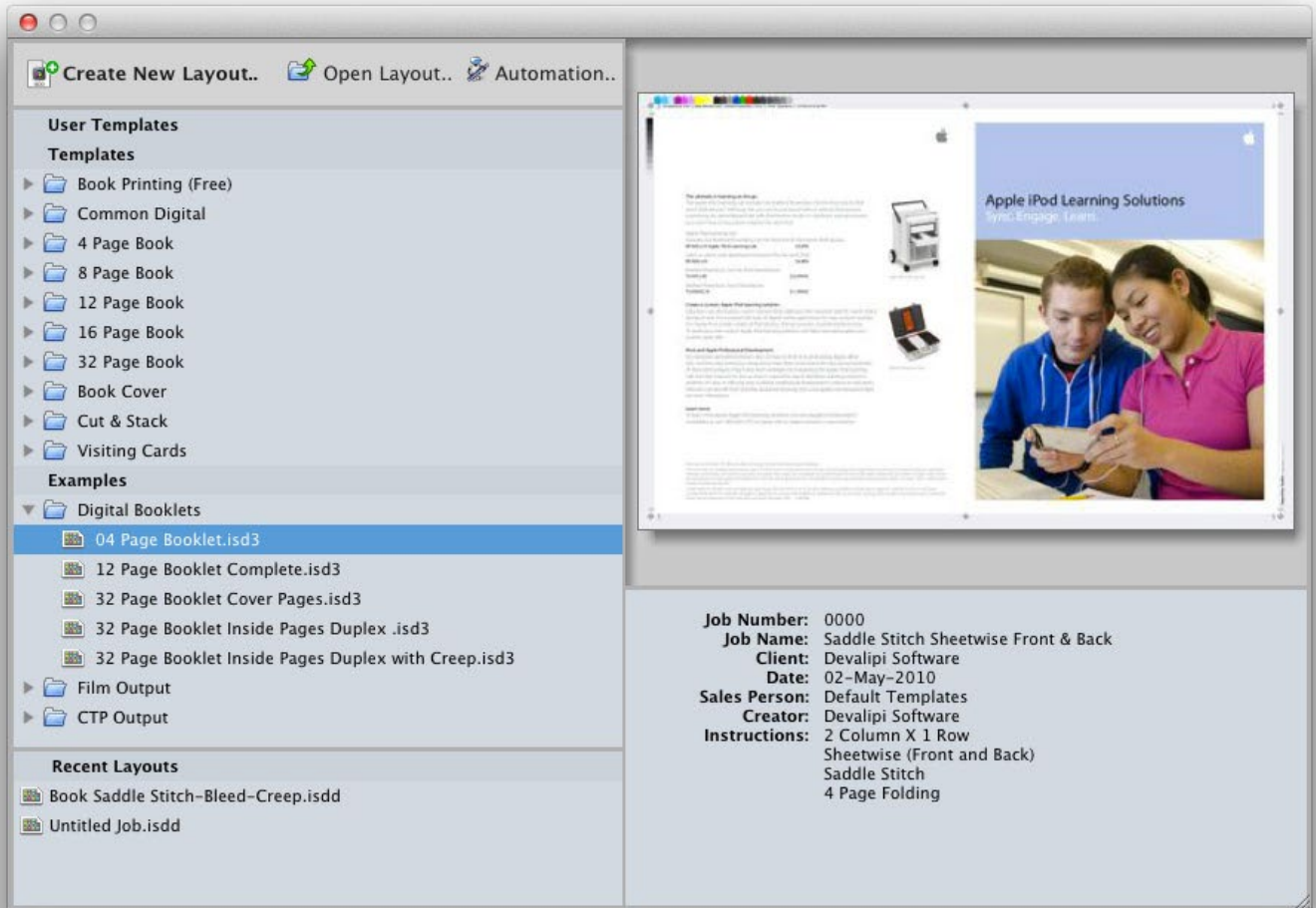
Template Window

Templates & Example List..

More than 30 Standard imposition layouts are available in Imposition Studio. You can use any of them as template or create your own custom layouts to create a new job. You can also save any of your layout as a reusable template for later use. It will appear in the User Example section in the Template list. If you are new to Imposition Studio, try the examples listed in the Example section.

Create New Layout..

Creates a new layout with an easy to understand Automated Assistant window.

Open Layout.. Open Imposition layouts stored in your hard disk .

Automation.. Access automated workflow and other PDF utilities & Tools
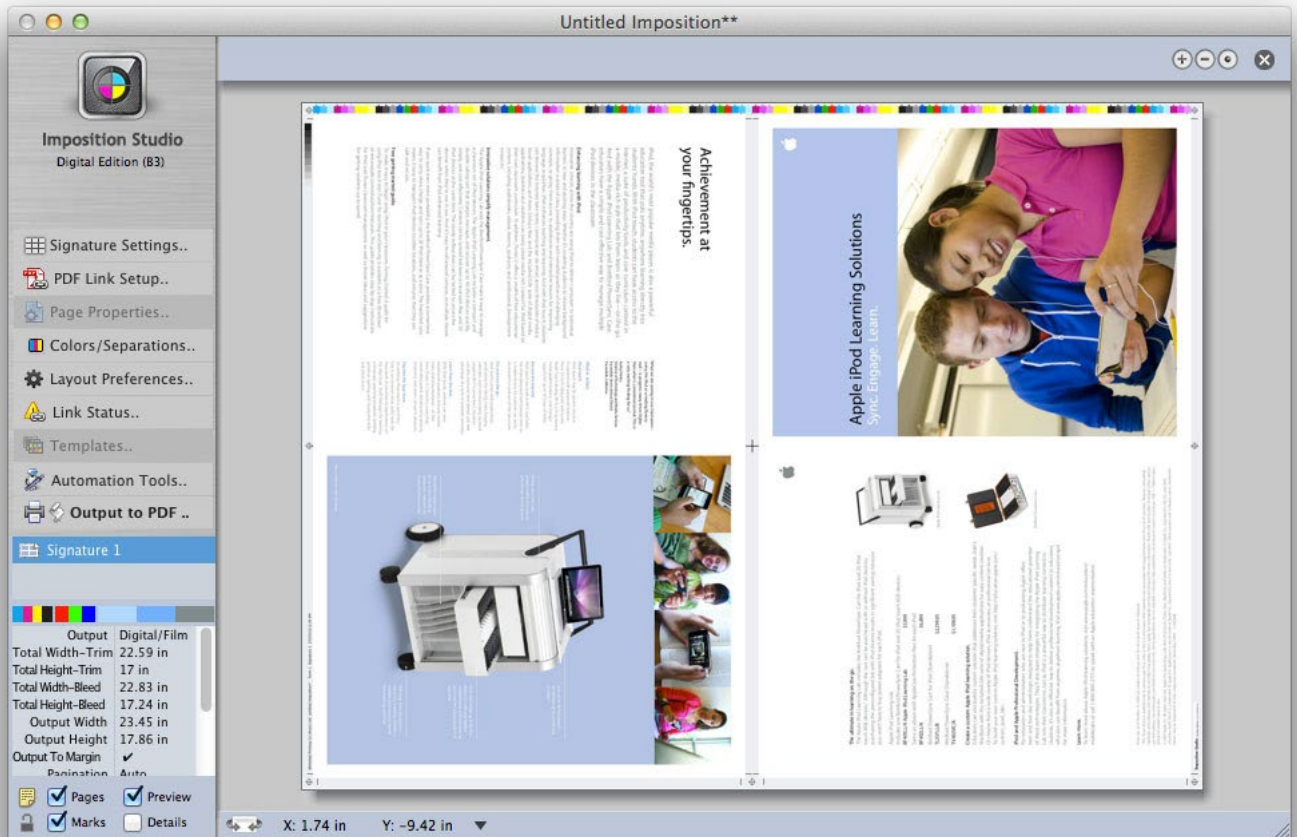
Signature Viewer

Live preview window to view the signatures how it outputs to CTP, Image setter or Digital printer. This will include Plate, Paper, Marks, Color Control Strips and Signature position on the plate.

The **Signature list**, below the Tools panel, shows all signatures individually. These list of signatures are created automatically so change the number of PDF pages links to change signature count.

You could access many setup windows and status windows from the tool panel.
Other controls are Pages, Preview , Marks and Details, to control the signature preview. The 'Notes' button adds a note about the layout into the layout file. This will reappear whenever anyone opens this layout file. And this note will include in the final output PDF file as a non-printable annotation and the 'Notes' will popup to alert the user while opening the PDF file for final printing.

Move & zoom pages commands also available in Signature Viewer.
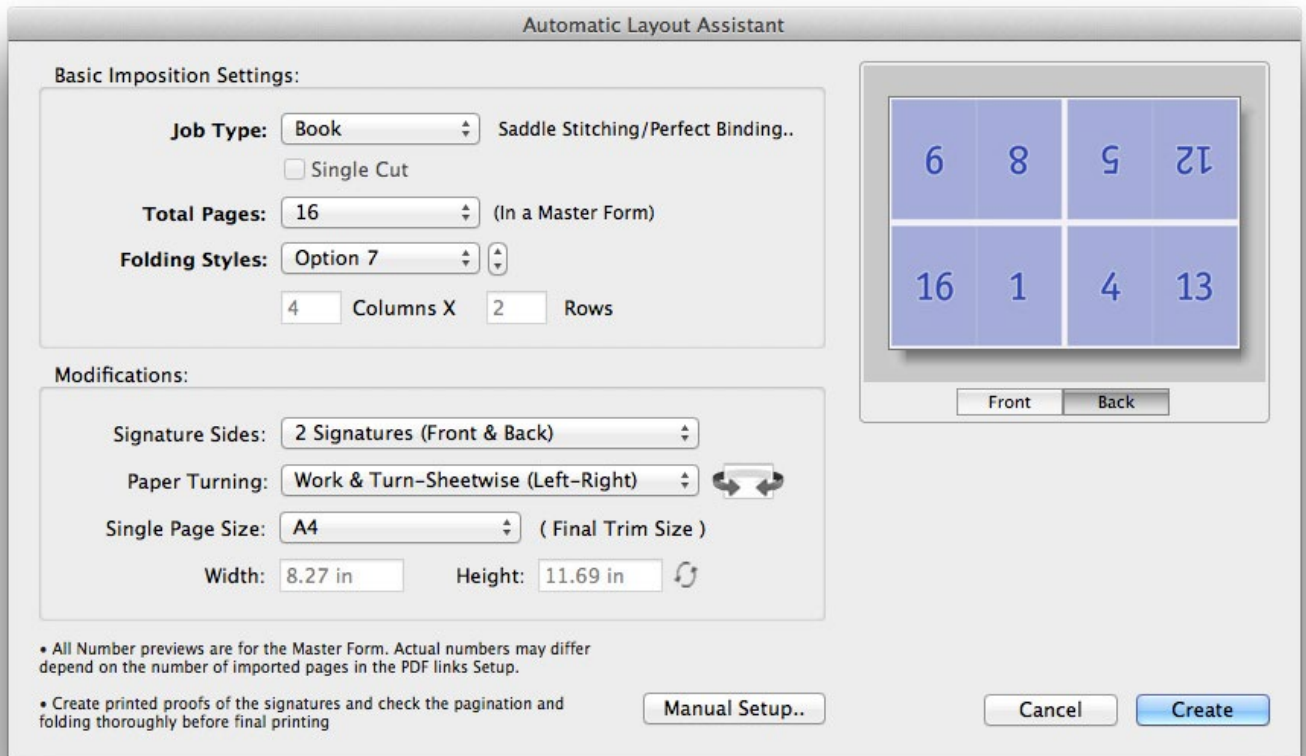
New Layout Assistant

This is the window which opens while you select 'Create New Layout..'' from menu or templates window

Job Type: Select the job type you want to create.

Total Pages in Master Form: Here you define the number of ups you want to print in a form. This value includes the both sides.

Layout Styles: Here you can view the possible layouts which matches the job type and total pages combinations. Some details in this window are not editable. They only shows the settings in the selected layouts including page numbers.

Modifications : All layouts are editable at here or at 'Signature Settings' window.

Manual Setup : You can access the manual layout assistant using this button

This window also opens when you select 'Auto Pagination' to apply auto paginations to manual layouts.

> ℹ️ • **All Number previews are for the Master Form. Actual numbers may differ depend on the number of imported pages in the PDF links Setup.**
>
> • **Create printed proofs of the signatures and check the pagination and folding thoroughly before final printing .**
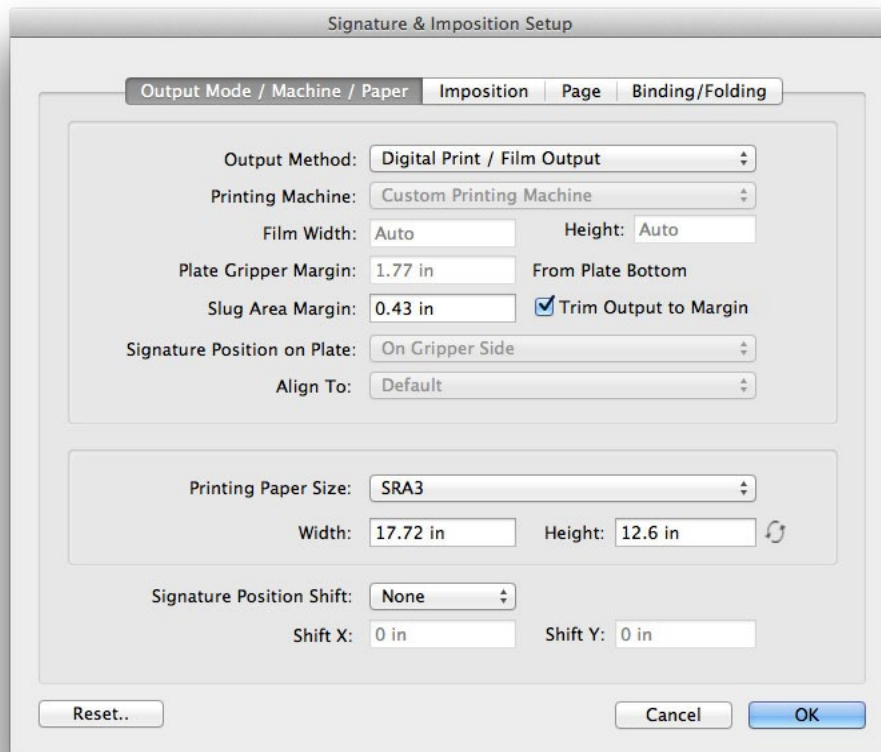
Output Mode / Machine / Paper

Output Method: Here you sets the output method of your outputting device. 'Digital Print / Image setter Film Output' for Digital printing or making films using Image setter and 'CTP Output (Computer to Plate)' for making Plates using CTP Machine. With CTP option you can select the included 'Printing Machine' preset or create new Printing Machine configurations. If you couldn't find your machine in the preset list. Computer to Film have only one setting 'Slug Area Margin'. This is the space around the total trim area. If you create a new Printing machine, you need to setup 'Plate Gripper' and 'Non Printable Gripper Margin'. This values required to create a Drop folder drop-able PDF file. Check with your technical person for the correct specification of your printing machines.

Signature Position on the Plate: Determines the position of the signature either 'On Gripper Side' of the paper or 'On Paper Center'.

Trim Output to Margin: Sets the Margin for a signature and outputs with the margin regardless of the Printing Paper Size.

Align to: The 'Default' places the bottom trimming mark of the signature a little above the non printing gripper margin with a visible bottom marks. 'Trim Marks to Gripper Margin' places the bottom trimming mark of the signature exactly on the minimum printable gripper area. 'Trim Marks to Bottom Paper Edge' places the trimming mark of the signature exactly on the paper edge.

Printing Paper Size: Sets the width and height of your paper you are using on the printing machine.

Signature Position Shift: Allows you to shift signatures on the paper. This may require to align front & back signatures on a digital printing machine. 'Shift X' values moves the signature horizontally and the 'Shift Y' values moves vertically.
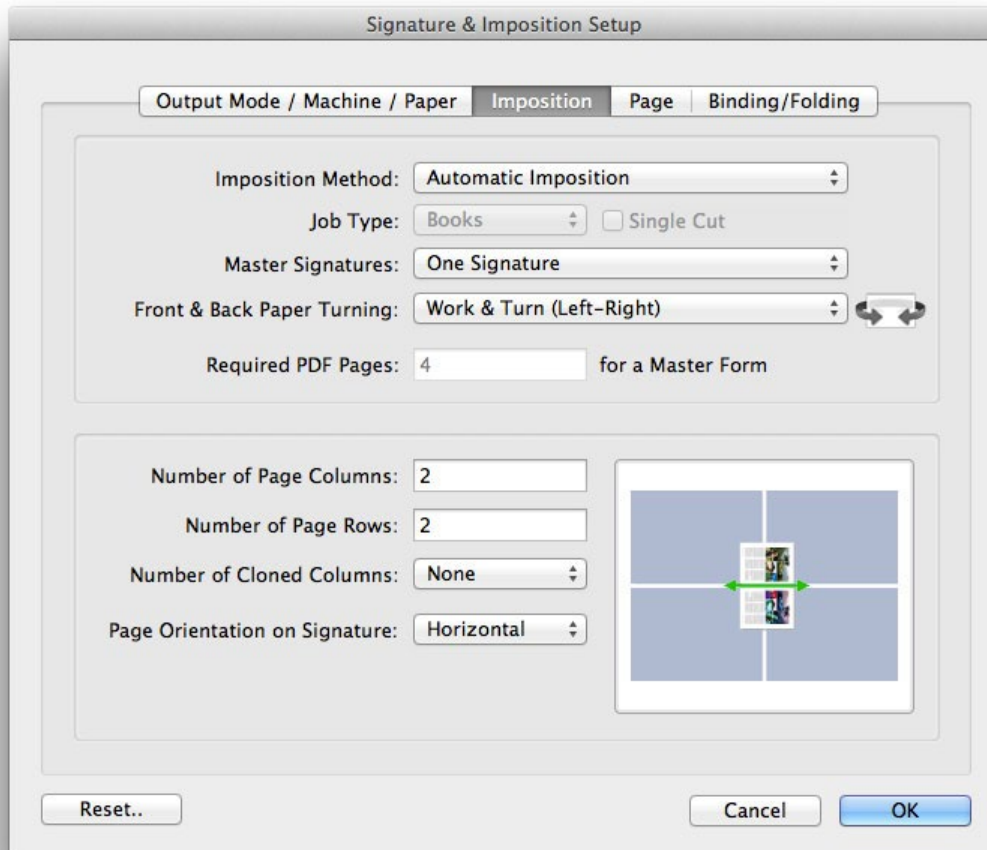
Imposition

Pagination Method: Set the Application to do Automatic Page positioning on the next forms according to the master form numbering and the binding method.
Auto Imposition is required for Books. Normal Cut & Stack jobs or Single form impositions should be done using Manual Imposition Style.

Job Type: Select the job type options. Select 'Books' If you planning to make book. Similarly select 'Brochure' for any type brochure jobs which require folding but no binding. Select 'Cut & Stack' if your job is a single sheet of paper without folding or binding, ex: Business Cards, Coupons, leaflets...

Front & Back Paper Turning: This option sets how you turn the paper after completing the one side Printing. There are two options available. 'Work & Turn' method turns the paper horizontally- Left to Right. And 'Work & Tumble' method turns the paper vertically - top to bottom. These options will affect the page numbers of your signatures.

Master Signatures: Select number of signatures required to make a print form. For Front & Back jobs, select 'Two Signatures'. For Single sided, Work & Turn and Work & Tumble jobs select 'One Signature' to create the layout.

Required PDF Pages: Enter the number of PDF pages to complete a Master Form. Auto Imposition does not require this option. For manual jobs please enter only the required pages exactly. If you planning for ups consider only the required number of source PDF pages for the master form.

Page Columns: Enter the required number of horizontally placed PDF pages.

Page Rows: Enter the required number of vertically placed PDF pages.

Number of Clone Pages: Useful for creating small books, user manual etc. Small books are very difficult to bind individually. Clone option creates multiple copy of the books together. Automatically. These Combined books are separated After the binding to get separate books.

Page Orientation on the Signature: Here you set the page orientation in the given signature - Vertically or Horizontally. Or Portrait or Landscape.
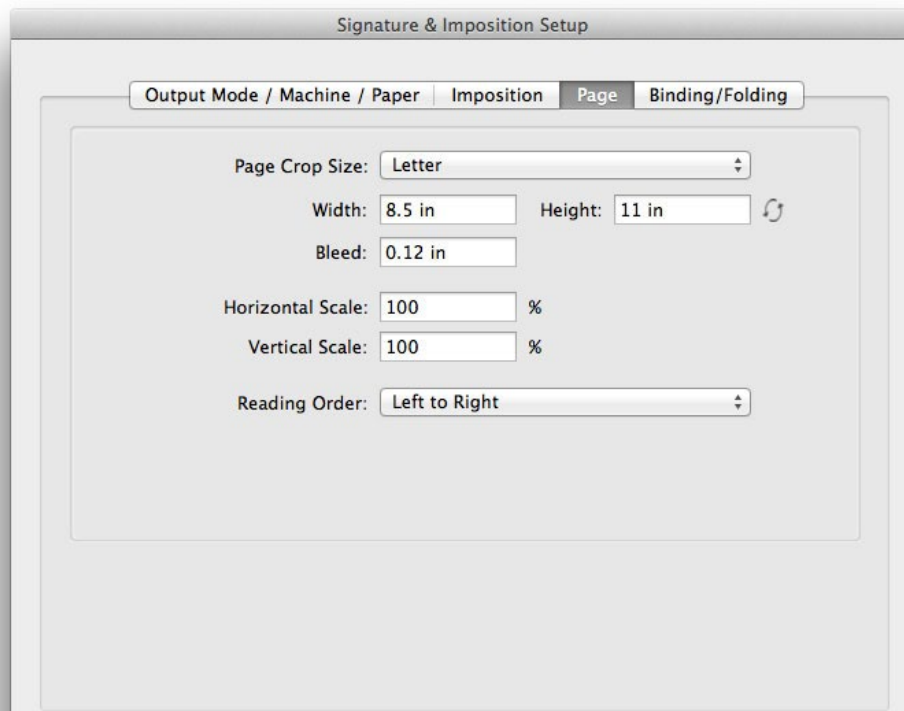
Pages

Width, Height, Bleed and Scale: Set the Page width, Page height , Bleed and vertical and horizontal Scale values. All values are common to all pages in the signature.

Reading Order: This option is only required if you want to make book in Arabic , Hebrew or similar right to left writing languages. Otherwise use the default 'Left to Right' option. Symbolic Page Numbers will remain same on both modes. Imposition Studio will place pages according to the mode you selected. Note: use only 'Right to Left' option when the first page of the PDF is the first page of the book in reading order (Last page of the normal reading books)
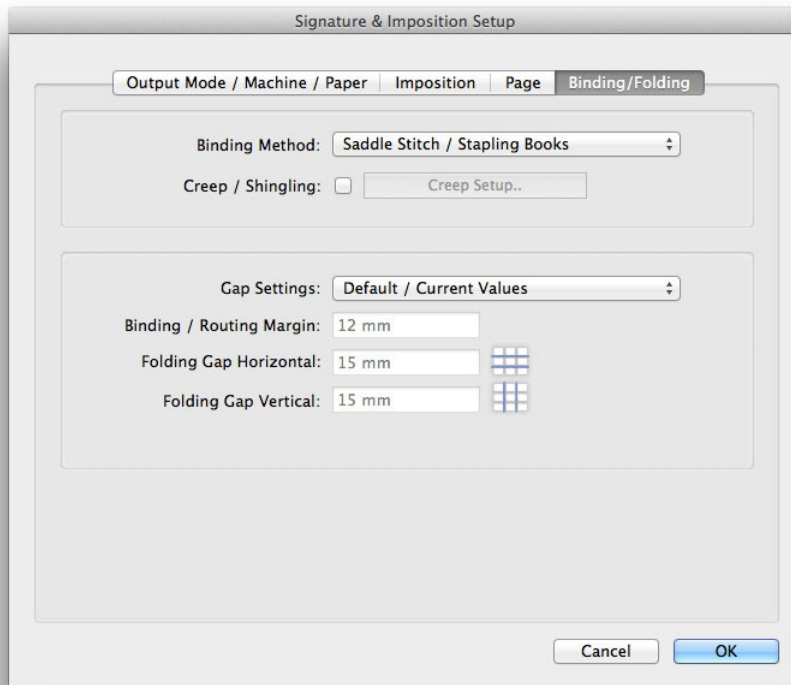
Binding / Folding

Binding Method: Select the binding method your Job required
'Saddle stitch / Stapling Books' or 'Perfect binding / Saddle Sewing Books'.

Creep / Shingling: Saddle stitched books with more pages require creeping to get the pages are aligned on the outer edge after cutting. Imposition Studio will calculate the value automatically when you enter the correct paper GSM in the 'Creep Setup' window.

Binding/Routing Margin: Enter the Binding/Routing Margin here. Use 0 for Saddle Stitch / Stapling jobs. For Perfect binding jobs, use the routing margin required for your binding machine. Included Perfect Binding templates use 6mm as routing margin. Check with your technical person for the exact values.

Folding Gap Settings: The values in the vertical and Horizontal folding gaps are the default values from the preferences. Select 'Apply New Values to all Folding Gaps ' to apply new values to all vertical & horizontal values in the layout.
'Auto Distribute to Print Run Paper Size' is an option to keep all the folded pages in same size by distributing the folding gaps evenly on the specified print run paper size. This will ensure easy folding & binding on automatic machines.

> ⚠️ **Many of the settings in the 'Signature Settings Window' will affect the current layout structure. Many of the modifications require resetting the layout to apply the changes. All page based informations like page numbers, rotation etc. will be lost.**
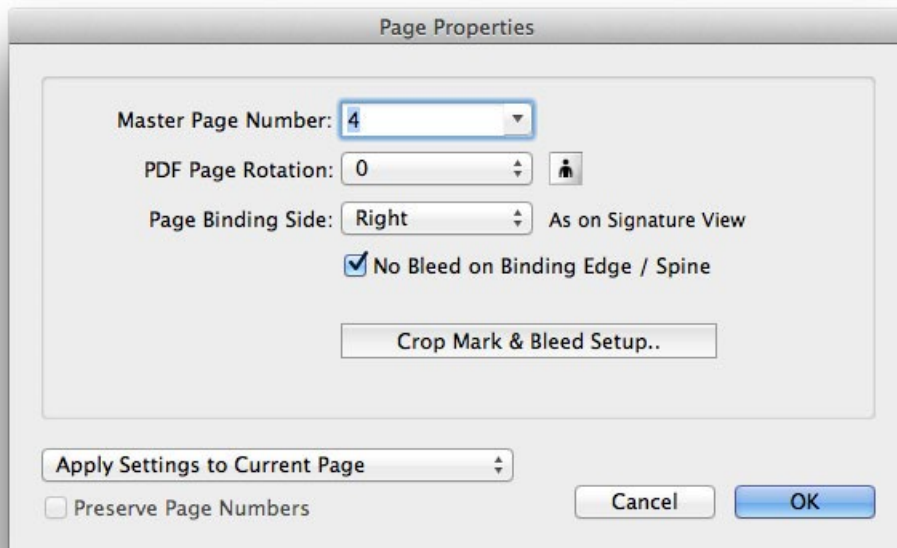
Page Properties

Click on the desired page preview or select 'Page Properties' menu to get the page properties window. Here you can set the 'Master Page Number' , PDF Page Rotation, Binding Side, Crop Marks etc. All the settings here are applicable to the current selected page.

Master Page Number: Master page number is the symbolic representation of the page number of the layout. Actual page numbers will be created automatically by Imposition Studio. For example, if you are creating a book containing 32 pages in a two up layout, the master page numbers of the front signature will be 4 and 1. Please check the templates and example layouts to study more.

PDF Page Rotation: Placing angle of the Page on the Signature.

Page Binding Side: Indicates the binding side of the page - How you view on signature - Independent of the page rotation.

No Bleed on Binding Edge / Spine: Removes the binding side overlaps. This option is required for Saddle Stitch or Perfect Binding using pages with Bleed.
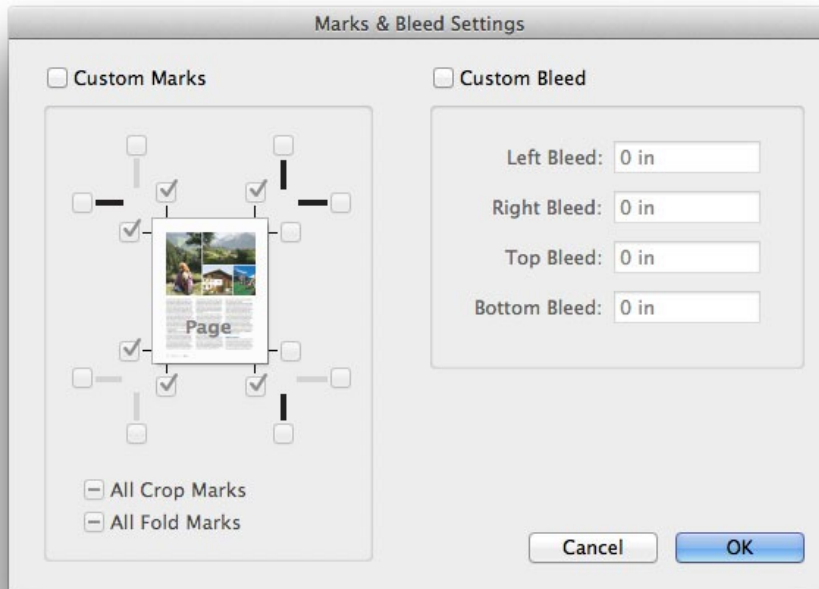
Crop & Folding Marks / Custom Bleed

Crop Marks and Bleed Setup: If you need any special layouts with a different combinations of Crop & Folding marks then use this options.

Custom Bleed: Redefine the bleed for individual pages (+/-). Using this settings you could also control the Binding Spine Bleed overlaps.

> **i** **In Normal cases Imposition Studio will create Crop Marks, Folding Marks And Bleed Settings for you. .**
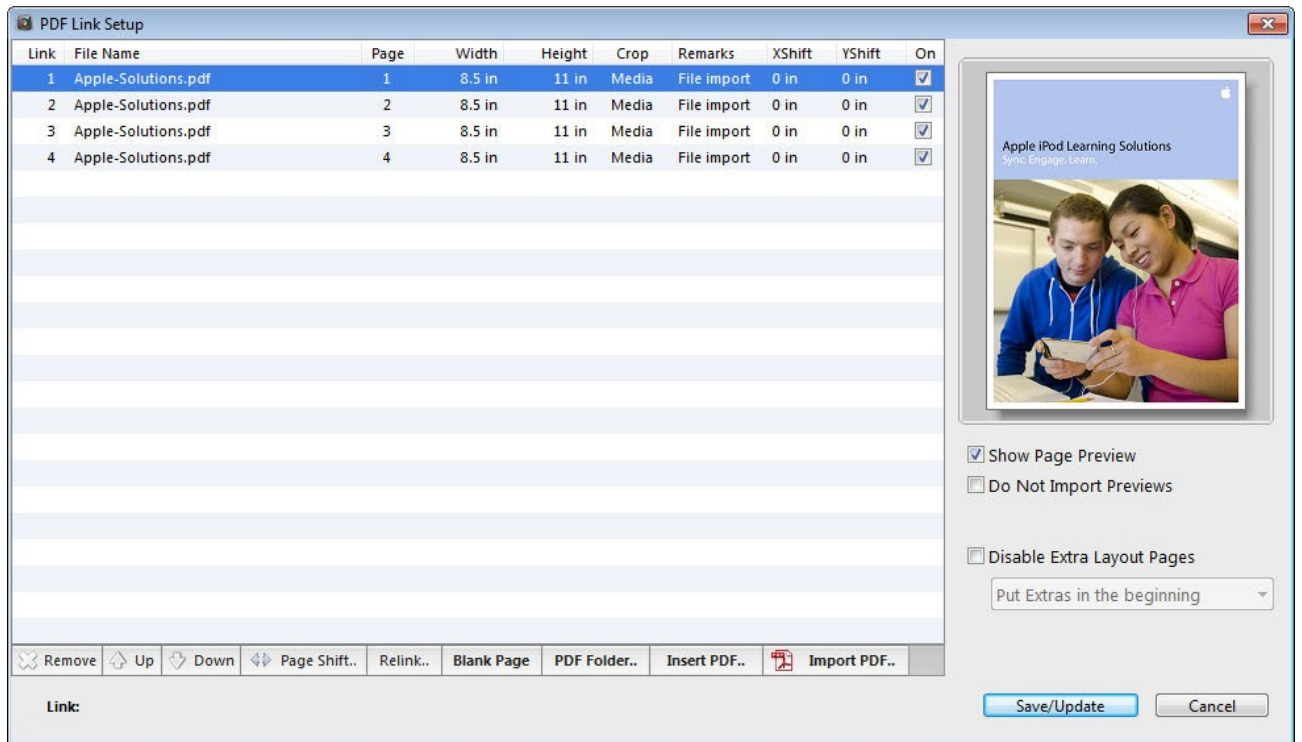
PDF Page Links

Using this window you can import the source PDF pages which you want to output. Imposition Studio will automatically place the correct PDF pages to their corresponding positions. 'Import PDF..' to import single or multiple PDF pages into the layout. You can also choose 'PDF Folder' for importing all PDF files from a folder., 'Insert Blank Pages' for inserting blank PDF pages. Choose 'Re link' button for res electing PDF files without changing it's respective positions..

Auto Signature Breakup: In some layouts, total number of pages may not match with the current layout scheme, so you may need to make one or more small signatures to complete the book without wasting the paper. By selecting this option Imposition Studio will automatically calculate the PDF pages required for this layout and omit other PDF pages for signatures with fewer pages. You can also select / deselect the imported PDF pages to rearrange the signatures.

Up / Down: Use this button to move the PDF pages to set the required page sequence.

Page Shift: Use this option to shift PDF pages on the signature individually. The values are applied to the individual PDF pages on Output.

> **ℹ** You can also move individual pages in the Signature viewer using Control+Arrow key combination (Command+Arrow (Mac) or select 'Move Pages' from menu.. .
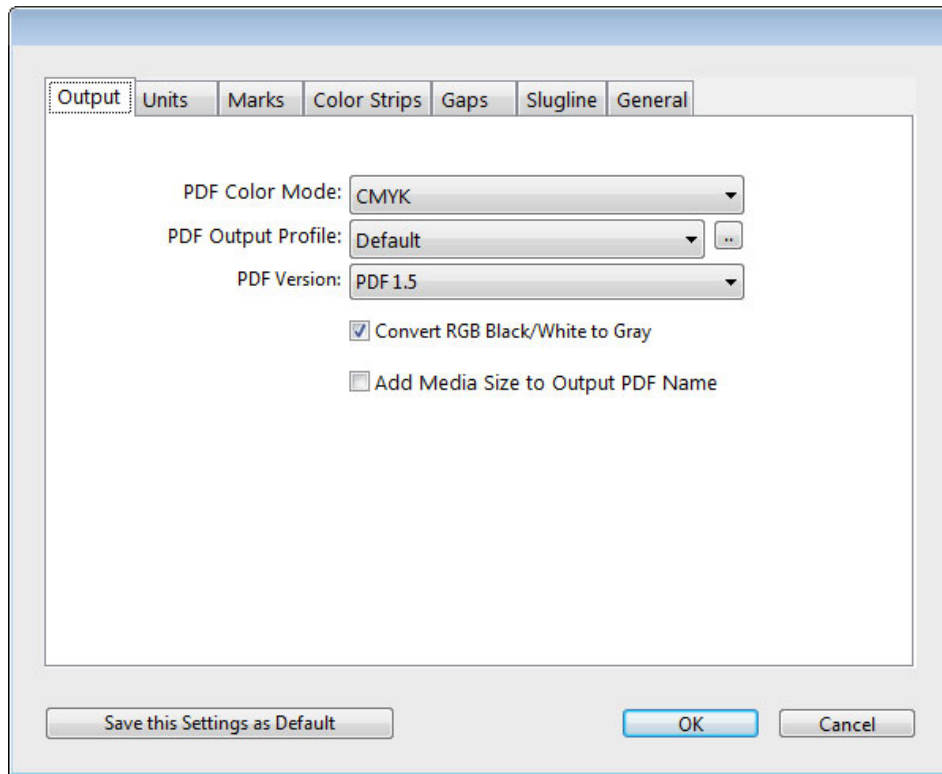
Layout Preferences / Global Preferences

PDF Color Mode: Sets the color mode of the output file. This will not convert the colors of the placed PDF files.

PDF Output Profile: Sets the output profile of the output PDF file.

PDF Version: Sets the PDF version of the output PDF file. This will not change the object level compatibility.

Add Media Size to Output PDF Name: Adds media size information on the output PDF file name.

Many of the settings on this window are only intended for RIP compatibility. It may not reflect in the PDF

'Save this Settings as Default' to apply all settings as application default.

> ℹ️ **If one job is open while you editing preferences then the preferences are saved for that particular job only otherwise it will save as application default. .**
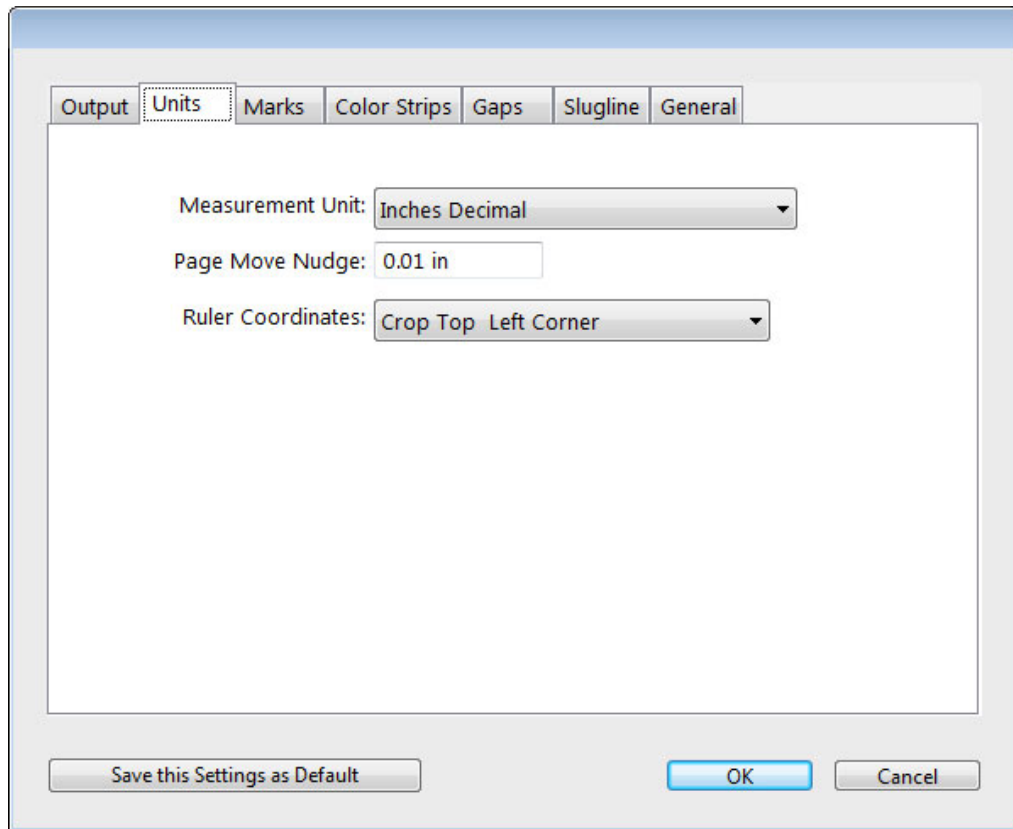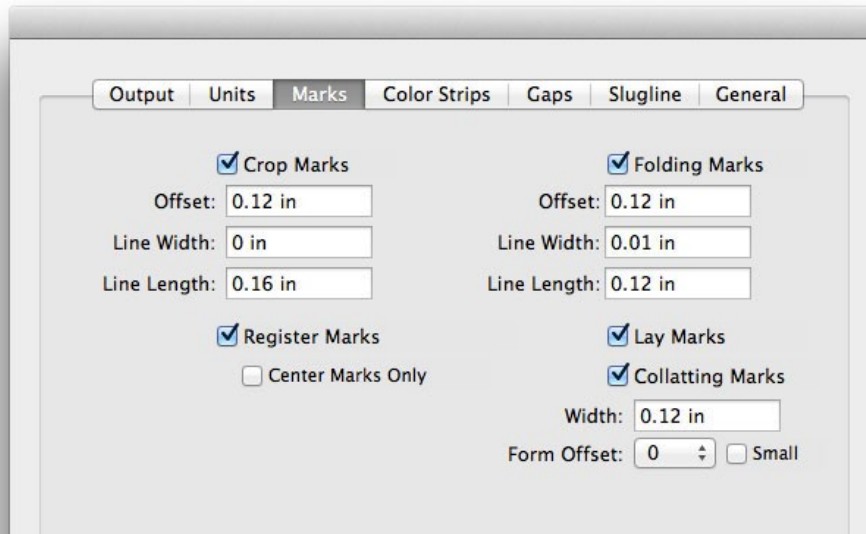
Measurement Units

'Measurement Unit" Sets the measurement unit of the whole layout.

'Page Move Nudge" Sets the amount to move while nudging the pages using the arrow keys.

'Rule Coordinates" Sets the coordinates for the ruler info on the Signature Viewer window.

Marks Preferences

Enable and Customize 'Crop Marks' , 'Folding Marks' .'Register Marks' , 'Lay Marks' and 'Collating Marks'.

"Form Offset" sets the for collating mark position for the current forms. You only need this option when your current forms are not the starting pages of the whole Book.
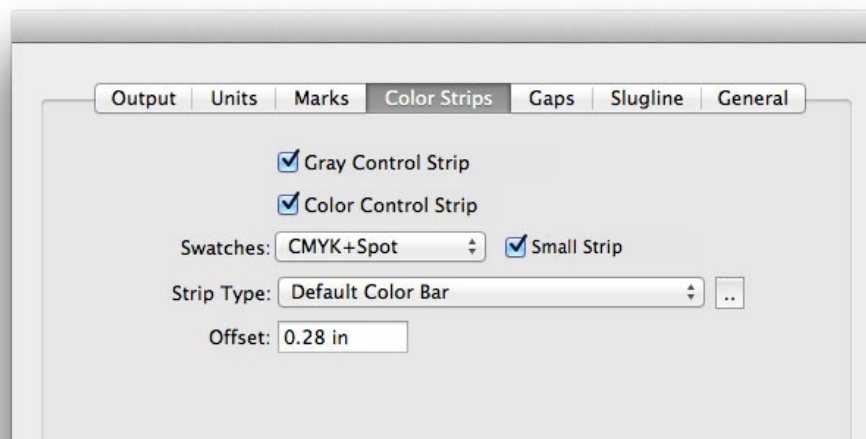

Color Strips Preferences

Enable and Customize 'Gray Control Strip' , 'Color Control Strip'.

"Strip Type" Allow you to create your own Control strip to output. Select the PDF control strip file to enable this option.
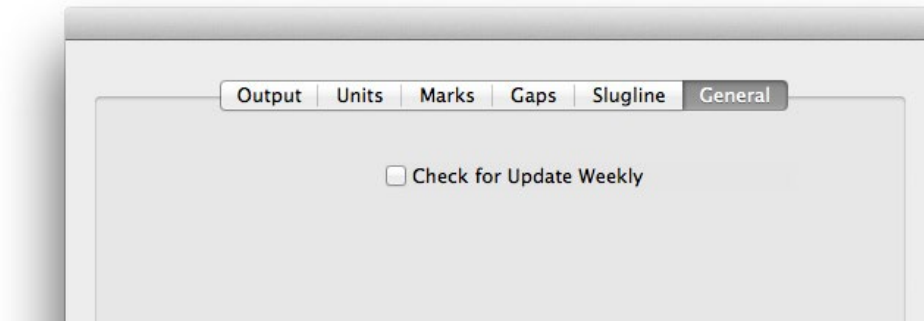
Gaps Preferences

Sets the 'Default Horizontal /Vertical Folding Gaps' for the Layout. This will not affect the current folding settings of the layout. This values are only applicable when you select 'Save this Settings as Default' which is explained in page 14.
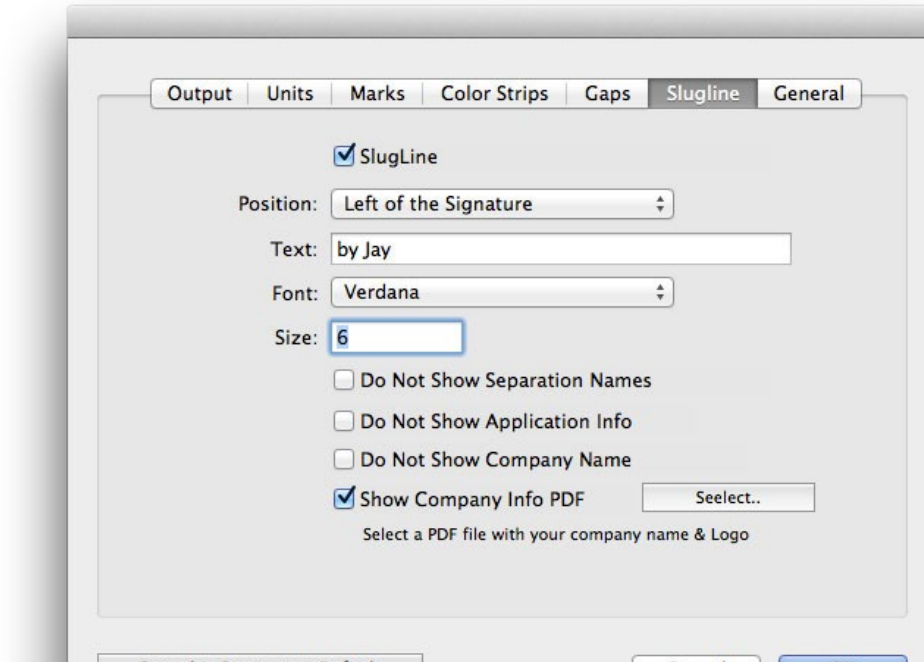
Slug line Preferences

Sets Customized slug line texts.

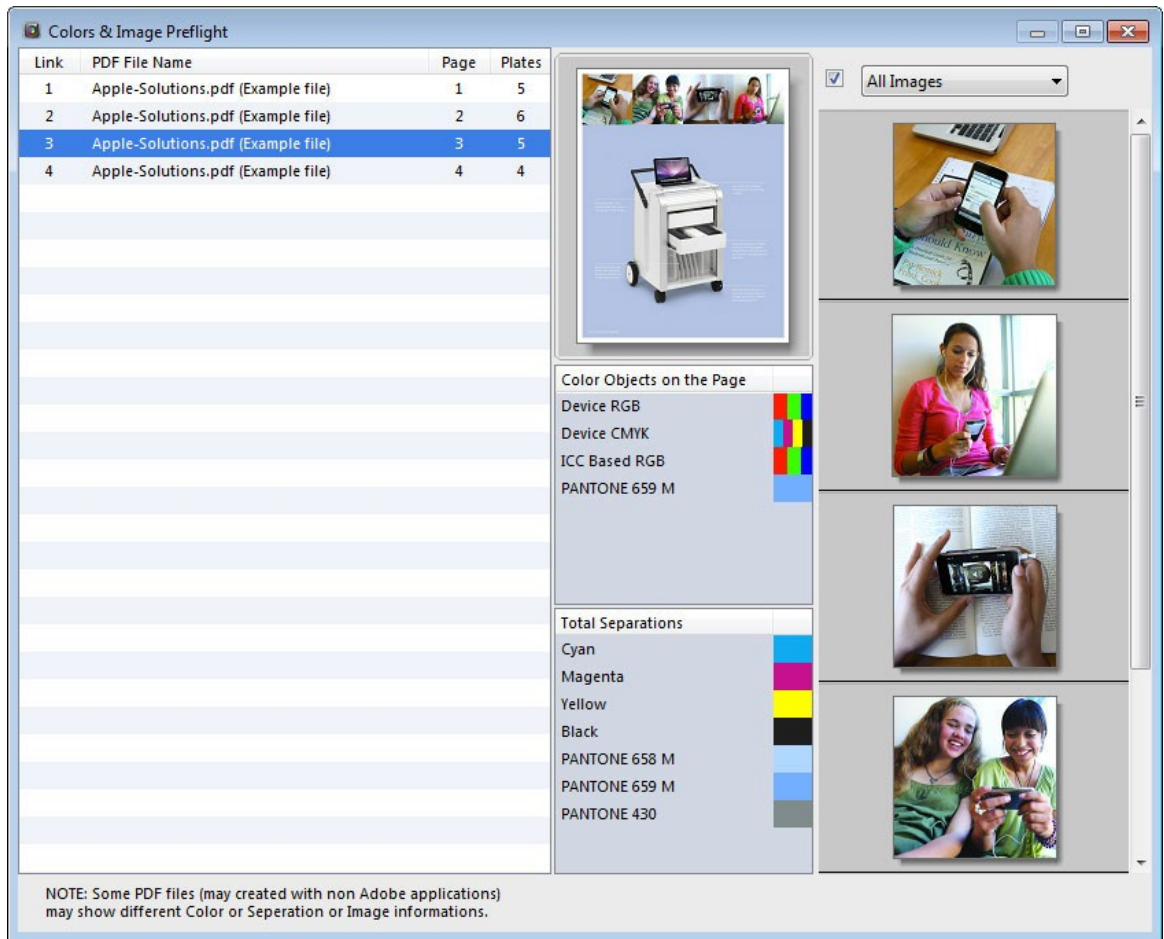'Show Company Info PDF' Places your company name and logo along the right side of the signature.

General Preferences

Check for Update Weekly: Regularly checks online for an update available .

Colors & Image Preflight

Checks the colors in the imported PDF links. Imposition Studio will not change the colors in the output PDF file. This window only shows the color info of the PDF objects & images, and Separations, including Special Colors.

Colour info also visible in the signature preview window. You need to update the color info by opening the preflight window to show the info bar correctly.
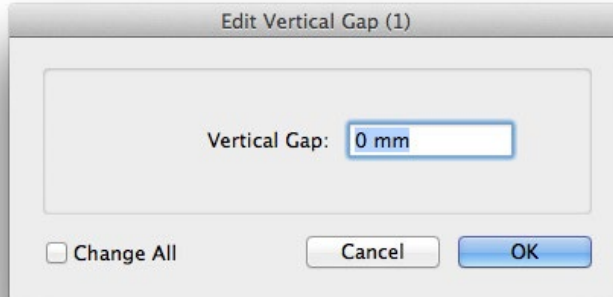
Binding / Folding Gap Properties

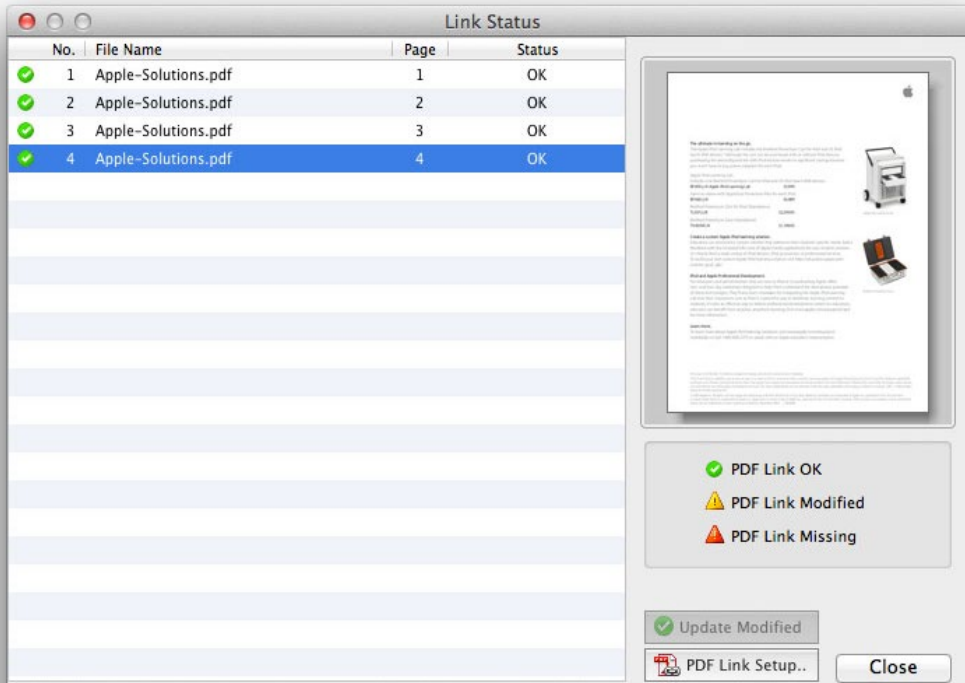On Signature preview window, click on the desired Page gaps to edit the 'Vertical Gap' and 'Horizontal Gap' between two adjacent pages. Select the 'Change All' check box to apply the values to all corresponding gaps on the signature. Changes apply to both sides if the layout contain two master signatures.

PDF Link Status

View and Update the 'Modified' , 'Missing' links of the imported PDF files.
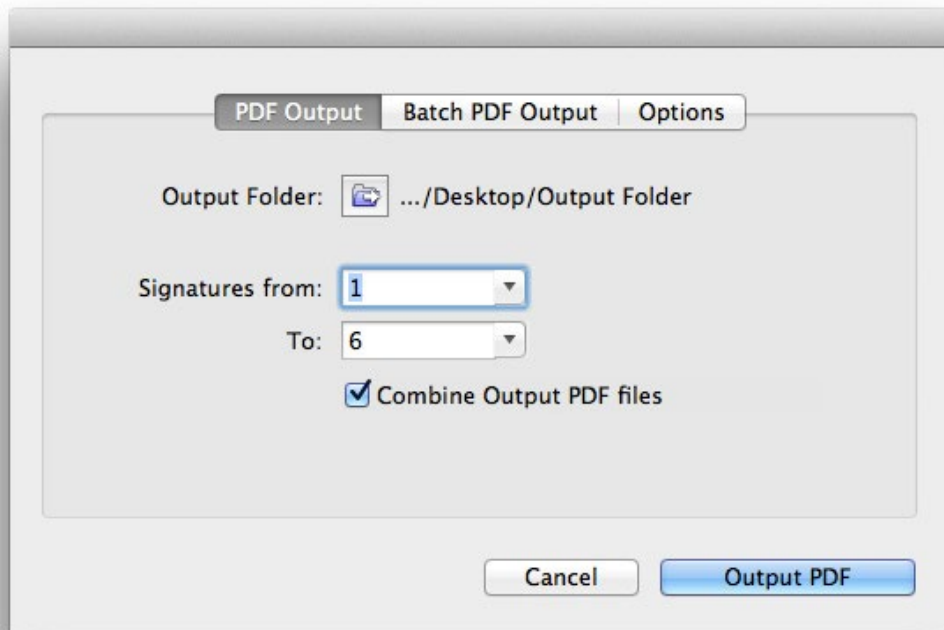
Output to PDF

Outputs the Imposition layout into a PDF file. The resulted file is fully compatible for Digital Printers, Image Setters and CTP Imposition Studio does not try to any of the PDF elements in this process. So the resulted output is as clean & trouble free as your original source PDF files.

Output Folder: Select the folder to save the output file.

Signature Numbers: Select the Signatures numbers you want to output.

Combine Output PDF files: By selecting this option Imposition Studio will combine the selected number of signature PDF files into one PDF file.

In Digital/Film Output mode, If the 'Trim Output to Margin' is selected in Signature settings. Then PDF Output will be trimmed to the selected margin amount regardless of the printing paper selection.
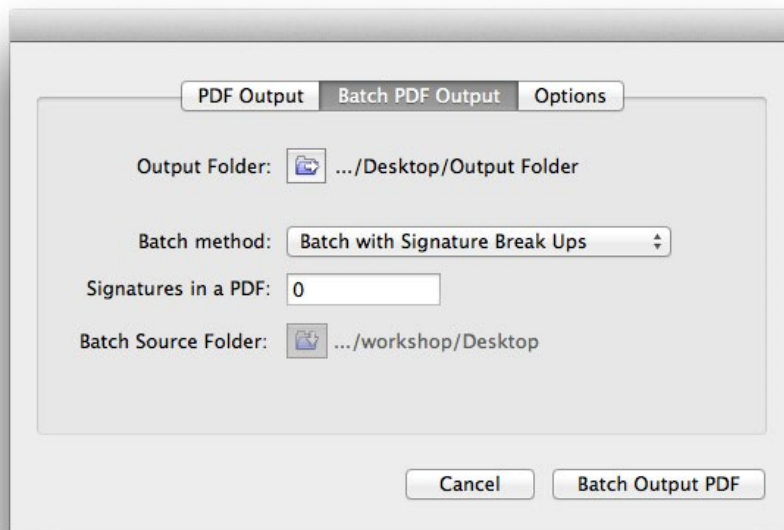
Batch Output

Batch Method: By using the method 'Batch with Signature Break Ups' outputs the PDF files with selected number of pages. For example, you have more than 100 signature in the layout and you may out put 10 output PDF files with 10 signatures.

'Batch with Sections' This option is suitable for Perfect binding / Section Sewing with multi signature per folding. For example,You want to make 16 page folding then binding the groups together to make a book. This option only require if you need to print more than one form to make a folding unit.

This option also useful if you have a small printing machine which can't print the full folding section in one form.

Steps :
• Import all the required pages in the document.
• Select only the required links to make a folding group. Deselect all other page links.
• Imposition studio will output all signatures as per the master signature form automatically.

'Batch with PDF Files Folder' This option is suitable for who need to output same type of signatures with different PDF files. Please take care to make sure all PDF file have the same size of the original PDF link.The master layout should contain only one PDF link file. Multiple links are not allowed.

Workflow Automation
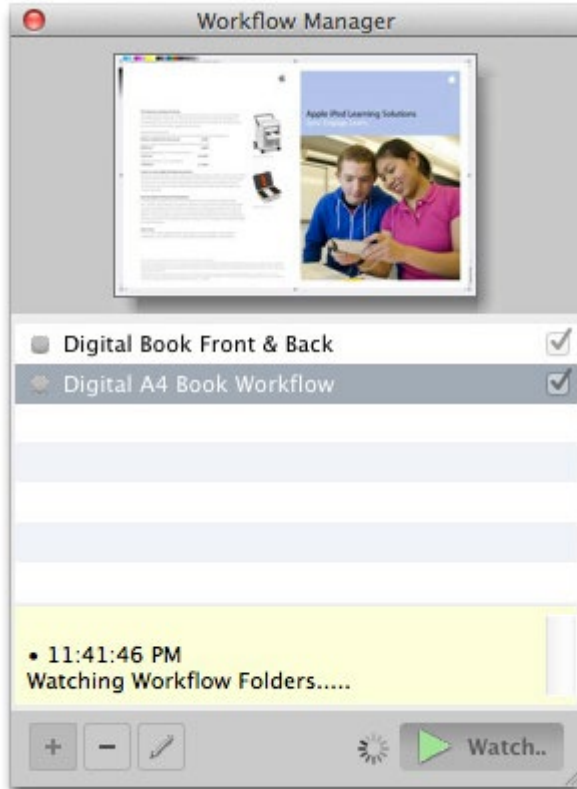
Workflow Manager

This workflow creates output PDF files automatically without any user intervention using any layout file by a convenient hot-folder method.

Click the ' + ' button to create a workflow queue.

Click the 'Watch..' button start the 'Workflow Manager' with all enabled workflows.

Workflow manager will monitor all associated 'Input Folders' and begins the output process when it found sufficient PDF files in their associated input folders.

Workflow manager will not check for the page sizes of the input PDF files. Make sure all PDF files you dropped in the input folder have the same size specification as the original PDF link file in the layout file.
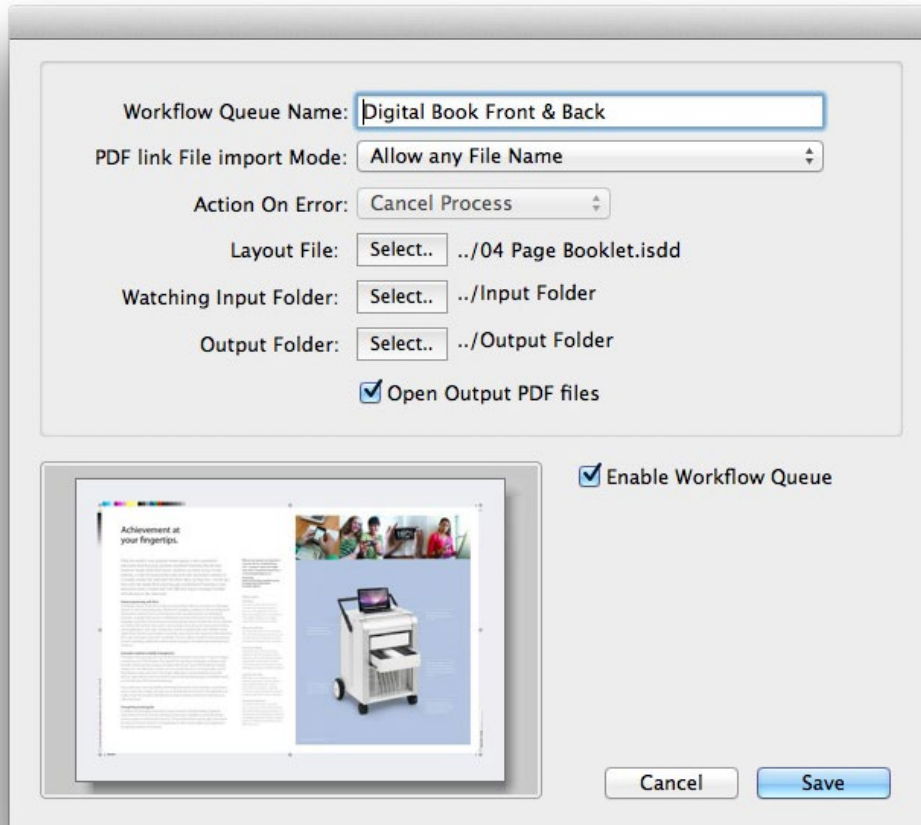
Workflow Editor

Workflow Queue Name: Name of the Queue, Independent from the layout file name.

PDF link Import Mode: Control the way 'Workflow Manager' imports the PDF links found in the associated 'Input Folders'. 'Allow Any File Name' import any PDF files in the input folder. Link numbering may affect by the PDF file names because the files are imported in alphabetical order of their names if single PDF file does not have the required number of pages. Care must be taken if you want to use multiple PDF files to complete a layout.

'Allow only PDF File Names in the Layout' Searches the input folder for same file names used in the layout file originally.

Layout File: Select an error free layout file as source layout. Make sure the layout not showing any error messages while opening, like file modified. missing etc.

Watching Input Folder: Select a folder to watch. This is the folder you drop PDF files to make the output PDF file.

Output Folder: Select a folder where the output PDF files should save. You can select a single folder to save all of your workflows. It is not possible to make a single input folder for all of your workflow queues. All queues must have their own input folders.

Utilities
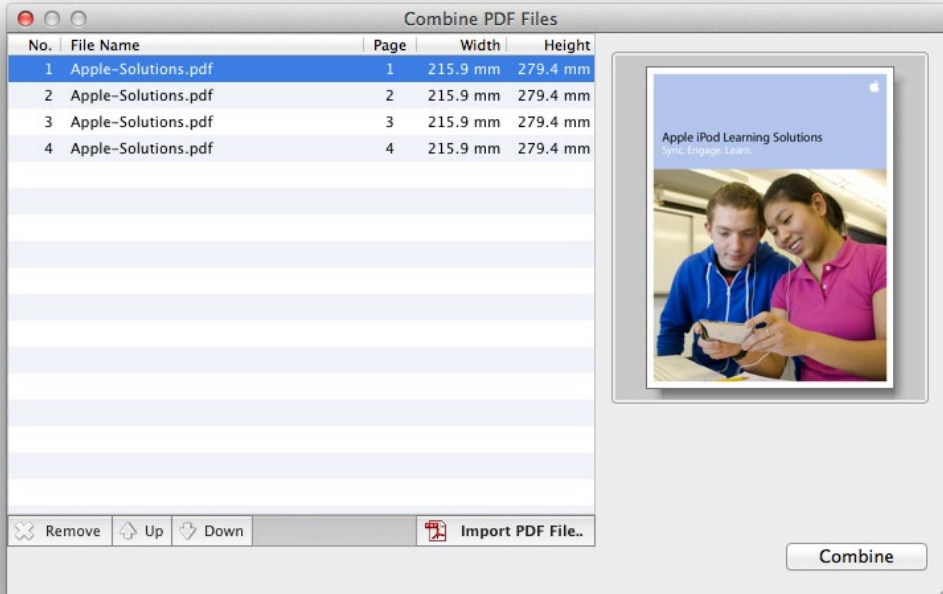
Combine PDF Files
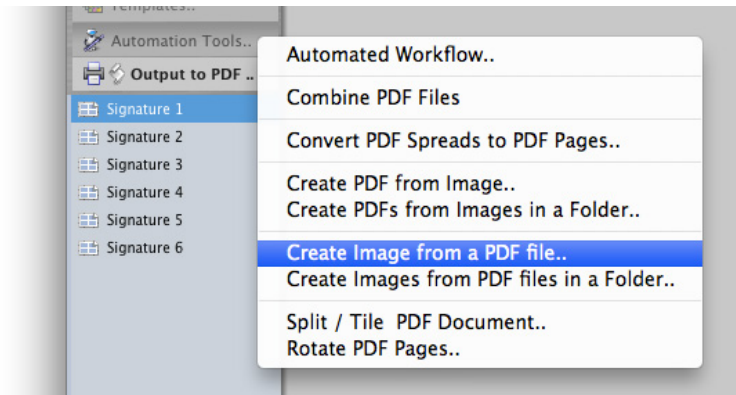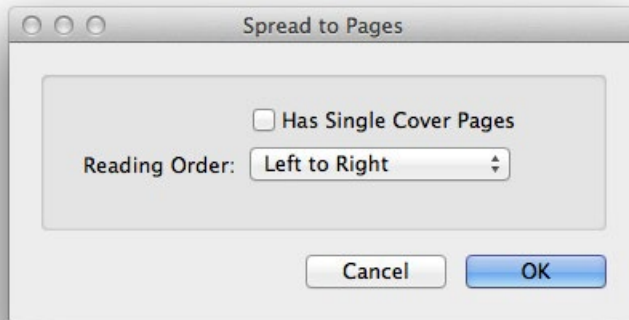Combine PDF files in to a single PDF file. You may use the 'Combine PDF' template layout from the 'Template Window' for more option like crop marks and bleed.

Create PDF from Image
Creates PDF files from an Image file or multiple image files from a folder.

Convert Spread to Pages

Converts 'Spread Pages' to single pages. In many occasions you may receive PDF files from client in Spread page format instead of standard single page format. This function saves your valuable time by converting the spread PDF to normal single page format. You need to make a single page layout with spread PDF size to enable this command.

Has Single Cover Pages: Select this check box if you have single pages at the beginning and end of the PDF document.

Reading Order: Select 'Right to Left' if the reading order of the pages is right to left as in Arabic or Hebrew languages.

Convert PDF to Image

Converts a PDF file to image or convert multiple PDF files to images from a folder.
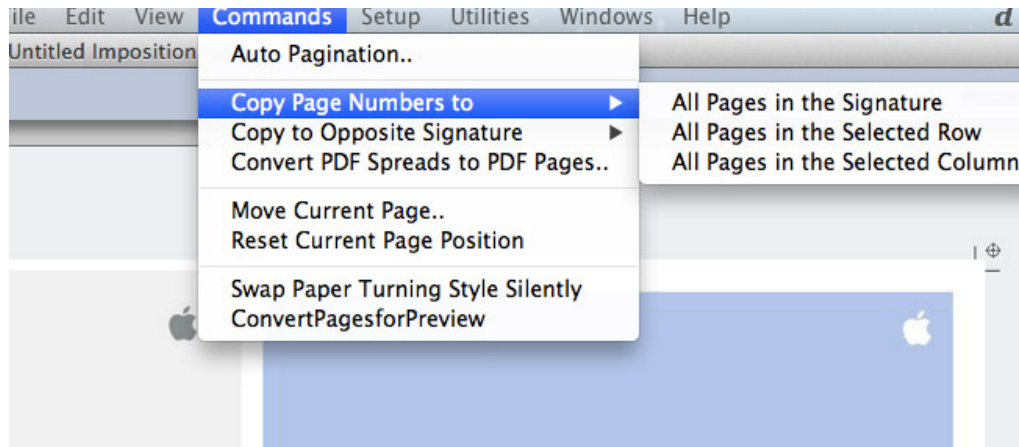
Rotate PDF File

Converts a PDF file to image or convert multiple PDF files to images from a folder.

Split PDF File

Split a PDF file vertically into desired number of pieces. Useful when your output device's size is smaller than your printing machine's paper size.

Commands

Auto Pagination..

All Page numbers are set to '0' while you creating a layout Manually. You can use this command to apply auto page numbers to the current manual layout if the layout is eligible for a standard folding, ups & paper turning methods.

Copy Page Numbers to

This Command copy the current selected page numbers to other pages in the signature according to the submenu you select.

Copy to Opposite Signature

Copy the settings of current signature to the opposite side signature as per the submenu you select.
This will work only when you have two master signature in the layout.

Move Current Page..

Move Current selected page position to a specific horizontal and vertical distance. You could achieve the same by using the keyboard. Use Control key + arrow (Command for Mac) key combination to nudge the selected page. You can change the nudge value in the 'Layout Preferences'.

Swap Paper Turning Style Silently

Creates PDF files from an Image file or multiple image files from a folder.

This command will Swap the 'Paper Turning Method' without changing any of the signature or page properties. Work & Turn this is useful when you made a manual layout not considering the Paper Turning Method' or you opened a old layout which was created without the paper turning option.

How to do's

How to Create a New Layout using a Template?

Imposition Studio comes with more than 30 predefined templates for standard impositions. Templates are available from Templates Window. It is the default window while you open Imposition Studio.
Select & open the Template which almost matches your job. Change the page & paper sizes as per your requirement. Open the Link PDF window and remove all the previous PDF links. Import your PDF file into The Links window.

You are Done. Now you can output the layout into a PDF.

How to Create a New Layout using New Layout Assistant?

This is the window which opens while you select 'Create New Layout..'' from file menu or templates window.
Select the 'Job Type' you want to create and select the number of ups you want to print in a full form.
On the option info fields you can view the possible layouts which matches the job type and total pages combinations. Select the layout if it meets your basic requirements. Some options like page turning method can be changed later.
Then you will be presented with 'Signature Settings' window. Change the Page Size and output settings and other settings here. Some options may not available at this moment. All of them are available when you open the 'Signature Settings' again.

You are Done. Now you can Output the layout into a PDF.

How to Import the PDF links into Imposition Studio?

Select 'PDF Link Setup' from tool panel or settings menu. Click the 'Import PDF..' button to Import Single or multiple PDF files into the layout.

How Can I change the Master Page numbers?

Click the page preview of a page on the Signature viewer to edit that page's master page numbers and other properties. You can also select the 'Page Properties..' from the settings menu or from the tools panel. You need to select the page in order to enable these menus.

How Can I Move individual Pages?

Select the page you want move by clicking the page preview on the signature viewer. Use control key (command key for Mac) and arrow key combinations to move on all directions. Edit the 'Nudge' value on the 'Layout Preference' window to change the move distance for a single keystroke. You can also use the menu command 'Move Current Page' to move at a specific distance. Use the 'Reset Current Page Position' to retain it's original position.

How Can I output books with incomplete form pages?

Some times you need to output PDF pages which will not fit into the signature layout. For example, a 20 page book job. In standard cases, when you are using a 4up layout with 2 sides and total 8 pages in a form. You could output 16 pages without any problem. The remaining 4 pages you need to output using a different layout with fewer number of pages. Use the 'Links Setup' window to determine which pages you need to print in a different sub layout. In 'Links Setup' window use the 'Disable Extra Layout Pages' check box to disable the pages for the extra signature. You may choose to put these pages in the biginning, middle or end of the book.

How to enter page numbers automatically for a manual Layout?

Select 'Auto Pagination' from the menu or right clicking on the signature viewer window. Select the available matching layout and apply to set page numbers automatically.

How can I change the page rotation without affecting the pagination?

Select 'Swap Page rotation Style Silently' from command menu to change the page turning method without affecting the pagination. You can also click the page turning icon in the bottom info panel of the signature viewer window to do the same.

> **i** Some options of Imposition Studio are not covered by this guide .
> If you need more help please mail to **support@devalipi.com.**

System Requirements

Windows : Windows XP /2000 /Vista / Windows 7 or above

Mac : Mac OSX 10.4 / 10.5 / 10.6 / 10.7 / 10.8 or above

Minimum Screen resolution 1280 x 800

A PDF Viewer application like Adobe Reader for viewing Output PDF.

Professional Imposition Software
for Digital & Offset Printing Presses