

Split PDFs for Loads

Description

Split PDF for Loads splits PDF files into multiple parts. It is most useful for splitting large, populated variable data PDFs that will be imposed for digital sheetfed, “Cut and Stack” layouts. This will ensure that press loads are limited to the stacker capacity AND maintain records sequences, in each position’s stack, from one load to the next.

It also allows for more manageable sized files to be sent to the digital front end, enabling production to begin sooner, and with fewer DFE resources.

A user defined table can be loaded with values specific to a particular press or condition. The user can maintain several of these tables for use and reuse, as needed.

Parts can be simply sent to an output folder to be copied elsewhere (Fig. 1), or even better, sent to an imposition hotfolder or configurator (Fig. 2), for pickup and further processing.

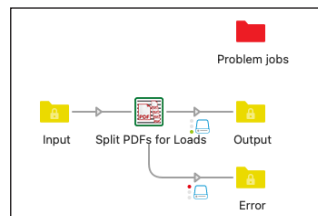


Fig. 1

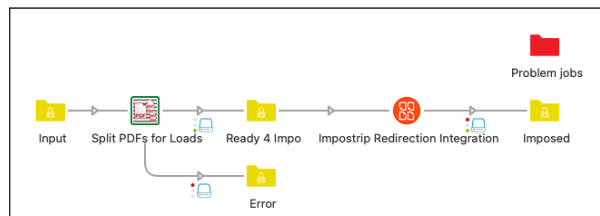


Fig. 2

Compatibility

Switch 2020 Spring and higher. Windows and Mac OSX.

Connections

Split PDFs for Loads only accepts PDF files from one or many incoming connections (all other file types and folders are logged and sent to the Error connection). PDFs that need no splits are simply passed to the Success connection. See **Outgoing connections** below.

Flow elements properties

- **Number up**
 - Number of items up on the imposed sheet
- **Number of sides**
 - Number of sides of the imposed sheet
- **Parts label**
 - Label for each part. Default: “Part”. (e.g.: <file name>_Part1.pdf)
- **Use table?**
 - Yes/No selection.
- **Sheets per load**
 - Displayed if “**Use table?**” is No. Value for sheets per load. Accepts an inline (static) value or “Define single-line text with variables”.
- **Select a table (CSV file)...**
 - Displayed if “**Use table?**” is Yes. Displays a “Select File” dialog to select a CSV file.
- **Sheets per load from table...**
 - Displayed if “**Use table?**” is Yes. Displays a “Select from library” dialog, to select a value (row) from the loaded table. A valid table must be loaded (above).

Properties detailed info

To configure, first enter the “**Number up**” on the imposed sheet, and the “**Number of sides**” to the imposed sheet (1 or 2).

Properties	
Property	Value
Element type	AL_Split PDFs for Loads
Name	AL_Split PDFs for Loads
Description	
Number up	9
Number of sides	2
Parts label	Part
Use table?	No
<i>Sheets per load</i>	

Then there are two different ways that you can have **Split PDFs for Loads** calculate the number of pages for the split:

- with “**Use table?**” set to “No”, you can specify a number of sheets per press load in the “**Sheets per load**” property. Alternately, you can “Define single-line text with variables”

Properties	
Property	Value
Element type	Split PDFs for Loads
Name	Split PDFs for Loads
Description	
Number up	9
Number of sides	2
Parts label	Part
Use table?	No
<i>Sheets per load</i>	

Properties	
Property	Value
Element type	Split PDFs for Loads
Name	Split PDFs for Loads
Description	
Number up	5
Number of sides	2
Parts label	Part
Use table?	No
<i>Sheets per load</i>	

Enter the number of sheets the press stacker will hold.
[Job.PrivateData:Key="loadValue"]

- with “**Use table?**” set to “Yes”, you first “**Select a table (CSV) file...**”, and then select a “**Sheets per load from table...**” value from that list

Properties	
Property	Value
Element type	Split PDFs for Loads
Name	Split PDFs for Loads
Description	
Number up	9
Number of sides	2
Parts label	Part
Use table?	Yes
<i>Select a table (CSV) file...</i>	
<i>Sheets per load from table...</i>	

Properties	
Property	Value
Element type	Split PDFs for Loads
Name	Split PDFs for Loads
Description	
Number up	9
Number of sides	2
Parts label	Part
Use table?	Yes
<i>Select a table (CSV) file...</i>	
<i>Sheets per load from table...</i>	

Select from library: Sheets per load from table se...	
Select an item from the list	
50# CV 4200	
60# CV 4000	
70# CV 3750	
80# CV 3200	
90# CV 3000	
100# CV 2700	
110# CV 2200	
120# CV 2000	
130# CV 1750	
10pt 2200	
Test 10	
Cancel OK	

In the case of the latter, a sample table is provided for download. This table can be customized per press, etc., to the user’s particular conditions. Details for customization can be found below. You can maintain different tables for different presses/conditions.

Operation

Split PDF for Loads only accepts PDF files (all other file types and folders are logged and sent to the Error connection). PDFs that require no splits are simply passed on to the output folder.

Parts are numbered Acrobat® style (<Input file name>_Part1.pdf...). The “**Parts label**” can be changed as desired (eg: <Input file name>_Load1.pdf).

A “bonus” feature is, if you set “**Number up**” and “**Number of sides**” both to 1, you can split the input file into many parts, with any <n> pages per part, by entering <n> in the “**Sheets per load**” property.

Special instructions

For table template

See the sample table provided for download at right.

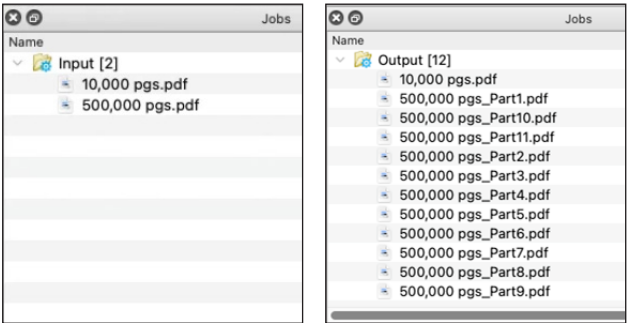
There are a few requirements for proper operation:

- It must have a “Header” (first) row
- It must maintain the column order, where the first column is a description, and the second is an integer value (without commas)
- It must be saved as a comma separated values (CSV) file

	A	B
1	Description	Sheets per load
2	50# Text	7500
3	60# Text	6000
4	70# Text	5000
5	80# Text	4500
6	90# Text	4250
7	100# Text	4000
8	110# Text	3750
9	120# Text	3500
10	130# Text	3250
11	50# CV	4250
12	60# CV	4000
13	70# CV	3750
14	80# CV	3200
15	90# CV	3000
16	100# CV	2700
17	110# CV	2200
18	120# CV	2000
19	130# CV	1750
20	10pt	2200

Sample input/output

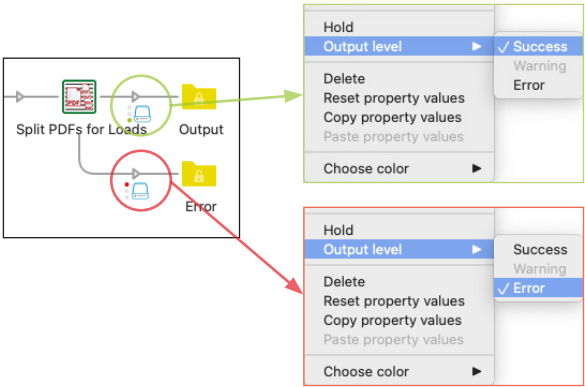
Below is an example where a 10,000 page file was passed through without splitting or renaming, and a 500,000 page file was split into 11 parts... 10 files with 48,600 pages each, and the last with 14,000 pages:



Note that the above splits would yield press loads of (9 up, 2 sided) 2,700 sheets or less.

Outgoing connections

Split PDF for Loads uses outgoing data Traffic Light connections. Flows should be set up with a Success and Error outgoing Data connection, as illustrated below.



Note that flows without an outgoing Data Error connection will log and send Error jobs to the flow’s Problem jobs folder. This is not suggested.