

# PDF Splitting Tool User Manual

Edition 01 May 2024

## **Table of Contents**

About This Manual3
Legal Information4
Copyrights4
Limitation of Liability4
Trademarks4 Software Updating Disclaimer4
Contact Information
Introduction5
Overview5
Features5
Supported Printers and Requirements6
Supported Printers6
System Requirements
Getting Started7
Installation7
Opening the PDF Splitting Tool10
Setting Preferences11
Adding a New Splitting Layout Preference12
Configuring the Cropped Area Manually
Additional Features17
Printing Labels

## **About This Manual**

Thank you for using the PDF Splitting Tool.

This document describes only the information and instructions related to PDF Splitting Tool. For more details on other printer operations and settings, please refer to each printer's operator manual.

#### Symbols

This document uses the following symbols:

Item	Description
▲ Caution	The Caution symbol indicates potential risks or actions that may lead to software malfunction, data loss, errors, or unexpected behavior if not followed correctly.
Note	The Note symbol indicates useful and supplemental information that you should know.
C Reference	The Reference symbol indicates the link of relevant information.



• Reproduction in any manner of all or part of this document is prohibited.

- The contents of this document may be changed without prior notice.
- Great care has been taken in the preparation of this document, but if any problems, mistakes, or omissions are found, please contact your SATO reseller or technical support center.

## Legal Information

## Copyrights

Any unauthorized reproduction of the contents of this document, in part or whole, is strictly prohibited.

© 2024 SATO Corporation. All rights reserved.

## **Limitation of Liability**

SATO Corporation and its subsidiaries in Japan, the U.S and other countries make no representations or warranties of any kind regarding this material, including, but not limited to, implied warranties of merchantability and fitness for a particular purpose. SATO Corporation shall not be held responsible for errors contained herein or any omissions from this material or for any damages, whether direct, indirect, incidental or consequential, in connection with the furnishing, distribution, performance or use of this material.

Specifications and contents of this document are subject to change without notice.

## **Trademarks**

- SATO is a registered trademark of SATO Holdings Corporation and its subsidiaries in Japan, the U.S. and other countries.
- Windows and Microsoft are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.
- All other trademarks are the property of their respective owners.

## **Software Updating Disclaimer**

While all efforts have been taken to ensure accuracy and currency of the information contained herein, there are instances where the contents of this document may be outdated. In that case, proceed to your local SATO regional website (<u>https://www.sato-global.com/drivers/redirect.html</u>) to check whether an updated document has been made available for your reference.

## **Contact Information**

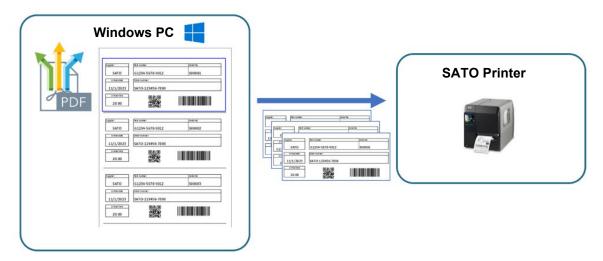
Access the following site and select the region/country nearest to you.

https://www.sato-global.com/about/locations.html

## Introduction

### **Overview**

The PDF Splitting Tool is a Windows application to split PDF data into desired size and print out. Users can configure their preferred settings, such as layouts for cropping the PDF, using the [Settings] feature. Additionally, they can use the [Driver Print] feature to print out each label in the desired size.



### **Features**

The features of the PDF Splitting Tool include:

#### Hassle free and time saving

PDF Splitting Tool solution works with the SATO printer to split PDF data into individual labels of the desired size before printing each label.

#### Set up multiple layouts for easy printing

Multiple label layouts can be saved in advance, allowing users to easily select the desired layout for printing.

#### Suitable for printing labels from PDF format across various markets & applications

PDF Splitting Tool solution is ideal for users from all markets to print labels such as kanban and logistics labels from PDF format.

## **Supported Printers and Requirements**

### **Supported Printers**

The PDF Splitting Tool works on SATO CL4NX/CL4NX Plus and CL6NX/CL6NX Plus series printers.

### **System Requirements**

The PDF Splitting Tool requires an operating system of Windows 10 or Windows 11 for optimal performance and compatibility.

## **Getting Started**

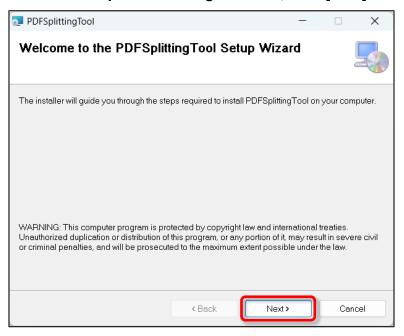
### Installation

Please contact your SATO technical support to download the PDF Splitting Tool installation software.

1. Double-click on the setup file (PDFSPLITTINGTOOL\_SETUP.msi) to install the application.



2. When the setup wizard dialog is shown, click [Next].



#### 3. Confirm the default installation location and click [Next].

Click [Browse] to select a preferred directory for installation.

PDFSplittingTool			_		×
Select Installation Folder				(	
The installer will install PDFSplittingTool to	o the following folde	ır.			
To install in this folder, click "Next". To inst	tall to a different fold	ler, enter it belov	v or click	("Brows	е".
Eolder:					
C:\SATO\PDFSplittingTool\			E	Browse	
			D	isk Cost.	
Install PDFSplittingTool for yourself, or t	for anyone who use	s this computer:			
CEveryone					
O Just me					
	< Back	Next >		Cano	zel

 Click [Disk Cost] to view the list of drives available for installing PDF Splitting Tool, along with the available and required disk space for each drive.

#### 4. Click [Next] to start the installation.

PDFSplittingTool			-		×
Confirm Installation					5
The installer is ready to install PDFSplittingTool o	on your com	puter.			
Click "Next" to start the installation.					
<	Back	Next >		Ca	ncel

5. Click [Close] upon the successful installation.

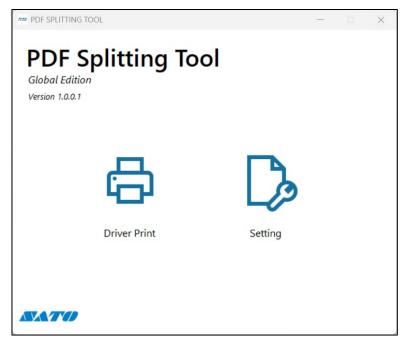
PDFSplittingTool	_		×
Installation Complete			
PDFSplittingTool has been successfully installed. Click "Close" to exit.			
Please use Windows Update to check for any critical updates to the .NET	Framewo	rk.	
< Back Close		Ca	ncel

## **Opening the PDF Splitting Tool**

1. Double-click the [PDF Splitting Tool] shortcut icon on the desktop to open the application.



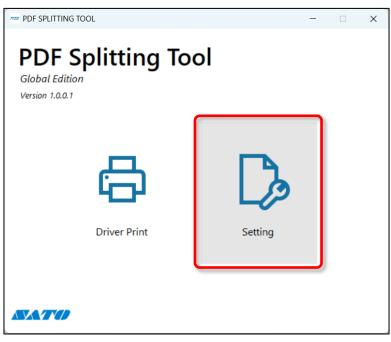
2. The [PDF SPLITTING TOOL] main menu is shown.



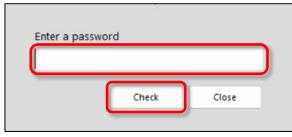
## **Setting Preferences**

You can specify the number of labels to be split on each PDF page and customize the cropped layout of the labels.

1. On the main menu, click [Setting].



2. Enter "Sato" in the password text box and click [Check].



The [LABEL PREFERENCE] screen appears.

ERENCE					-		×
l Drofo	irence						8
	New New	Detail Octail			E Save		
	CustomerCode	PreferenceName	Driver	Horizontal	Vertical	1	
•	SATO	SATO GBS	SATO CL4NX 305dpi	~ 84	195	1	
	l Prefe	I Preference	I Preference           New         Image: Delete         Image: Delete         Image: Delete         Image: Delete         Image: Delete         Refresh           CustomerCode         PreferenceName	I Preference           New         Image: Delete         Image	I Preference           Image: Second S	I Preference         Image: Delete image: D	I Preference       Image: New Image: Detail Ima

## Adding a New Splitting Layout Preference

#### 1. On the [LABEL PREFERENCE] screen, click [New].

A new row is added to the list.

LABEL PREFEF							
Label	Prefer	ence					
		New 🛛 Delete	Detail C Refresh			E Save	
ſ		CustomerCode	PreferenceName	Driver	Horizontal	Vertical	1
	•	SATO	SATO GBS	SATO CL4NX 203dpi V	84	195	
<b>[</b>	•			~			
	_			·			•

2. Enter the content for [CustomerCode], [PreferenceName], [Driver], [Horizontal], and [Vertical] on the new row.

[CustomerCode]: Enter your preferred Customer name.

[PreferenceName]: Enter the layout name.

[CustomerCode] and [PreferenceName] are allowed to contain alphanumeric characters, spaces (' '), at symbols ('@'), underscores ('\_'), and hyphens ('-').

[Driver]: Select the target Printer Driver.

• Before selecting the printer driver from the list, ensure that the printer driver is installed on your PC.

You can download the latest printer drivers for Windows from this link:

https://www.satoglobal.com/files/Printer Drivers/Windows Printer Driver/SATO Driver.zip

[Horizontal]: Set the width of the label size (in millimeters).

[Vertical]: Set the length of the label size (in millimeters).

#### 3. Click [Save].

A dialog appears when the data is successfully saved. Click [OK] to continue.

	Save					
,				Detail C Refresh	New Delete	
	rtical	Horizontal	Driver	PreferenceName	CustomerCode	
	5	84	SATO CL4NX 305dpi	SATO GBS	SATO	*
	)	80		Layout_3UP	Test	
			Save X			
			Save sucessfully!!!			
			Save ×			

4. Select the last saved entry and click [Detail] to open the [PREFERENCE DETAIL] screen.

– Label F	Preference					
	New Delete	Detail C Refresh			Sa	ive
	CustomerCode	PreferenceName	Driver	Horizontal	Vertical	
	SATO	SATO GBS	SATO CL4NX 305dpi	~ 84	195	
	Test	ayout_3UP	SATO CL4NX 305dpi	~ 80	190	

5. Click  $\Box$  to select a source file from the PC file system.

D PREFERENCE DETAIL	- 🗆 X
Label Preference	8
Label Code	
Test-Layout_3UP Source File Finter Printer	
SATO CL4NX 305dpi - 🔁	
Number of Labels / A4 0 (PCS)	
Create	
🚽 Save ≼ Clear 💍 Revent 🔯 Proview	<u>ح</u>
Label No. X Y W H	

 The source file should be a PDF file in A4 size. Only PDFs in portrait orientation are supported.

#### 6. Select the source PDF file and click [Open].

🖒 Open				×
$\leftrightarrow$ $\rightarrow$ $\checkmark$ $\uparrow$	SATO > PDFSplittingTool > Samples	∽ C Sea	arch Samples	Q
Organize 👻 New fold	er		≣ • [	1 0
20240327PDFPrint	Name	Date modified	Туре	Size
Cork Work	A 1241161926-2.pdf	3/27/2024 11:20 AM	Adobe Acrobat D	34
	A SATO-SATO GBS.pdf	3/12/2024 11:23 AM	Adobe Acrobat D	6
<ul> <li>OneDrive</li> </ul>	18			
This PC				
🛄 OS (C:)				
🛋 DATA (D:)				
💼 GBS (Q:)				
= SAP (S:)				
💼 IT (T:)				
1 Network				
A Linux				_
File n	ame: SATO-SATO GBS.pdf			~
			Open Car	ncel

FERENCE DETAIL		x
Label Preference		0
Label Code Test-Layout_3UP		
Source File C:\SATO\PDFSplittingTool\Samples\SATO-SATO GBS.pdf Printer SATO CL4NX 305dpi Number of Labels / A4 0 Create Save Clear Revert Label No. X Y W	(PCS)	Sarto         Sarto         Sarto           SATO         G1224-5578-9012         S00001           Sarto         Sarto         Sarto           11/1/2021         Sarto         Sarto           20.00         Sarto         Sarto           Sarto         Sarto         Sarto           11/1/2021         Sarto         Sarto           20.00         Sarto         Sarto           Sarto         Sarto         Sarto           11/1/2021         Sarto         Sarto           11/1/2021         Sarto         Sarto           Sarto         Sarto         Sarto
		Amount         Destruction           11/1/12023         SATO-123455-7899           20:00         Sato-123455-7899

The content of the PDF will be shown on the right panel of [PREFERENCE DETAIL] screen.

7. Enter the number of labels in the PDF page to be split and click [Create].

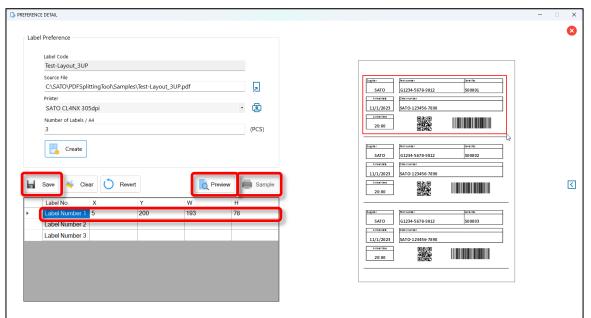
	Label Code				
	Test-Layout_3UP				
	C:\SATO\PDFSplitti	ngTool\Sample	s\Test-Layout	_3UP.pdf	2
	Printer				
	SATO CL4NX 305d	pi			· 🗿
	Number of Labels / A4				(PCS)
	Create				
	Save 🦂 Clear	C Reve	t	Q	Preview Samp
	Save ≼ Clear		t Y	w	Preview Samp
<b>.</b>	Label No.				
	Label No. > Label Number 1 Label Number 2				
	Label No.				
	Label No. > Label Number 1 Label Number 2				

The [Label Number] will be added accordingly to the table below.

8. Select [Label Number 1] from the table.

## 9. In the PDF page view, click and drag from the upper left to the lower right to mark a bounding box around your preferred image for the selected [Label Number].

The position and size of the cropped area are recorded in the table. All values are in millimeters.



A precise setting of the cropped area can be configured by manually entering the values in the table.

Please refer to <u>Configuring the Cropped Area Manually</u>.

#### To preview the selected cropped image

Select the desired [Label Number] and click the [Preview] button. A PDF of the selected cropped image is shown.

#### To test print the preview image

Click the [Sample] button. The selected cropped image will be printed, showing the actual printing condition.

• You need to preview the cropped image before you can click the [Sample] button.

- 10. Select the next [Label Number] and repeat step 9 for each set of [Label Number].
- 11. Once all the label settings are done, click [Save].
- 12. Click the upper right 8 button to close the [PREFERENCE DETAIL] screen.

### **Configuring the Cropped Area Manually**

A precise setting of the cropped area can be configured by manually entering the values in the table.

1. Re-enter the values manually in the table for a more precise positioning and sizing of the cropped area, especially if the split images are similar.

The explanation of the [X], [Y], [W], and [H] values are as follows. All values are in millimeters.

PREFERENCE DETAIL				- 0
Label Preference				
Label Code Test-Layout_3UP Source File C:\SATO\PDFSplittingToo\Sa Printer SATO CL4NX 305dpi Number of Labels / A4 3 Create	amples\Test-Layout		- D (PCS)	W: 190mm W: 190mm K:7, Y:199 W: 190mm W: 190mm H: 80mm K:7, Y:199 W: 190mm W: 190mm H: 80mm W: 190mm W: 1
Label No. X Label Number 1 Label Number 2 Label Number 3 7	Y 199 112 24	W 190 190 190	H 80 80 80	Image: Second

The [X] and [Y] values indicate the lower left corner position of the bounding box.

The origin (0,0) position of the X-axis and Y-axis is located at the lower left corner of the PDF page.

[W] indicates the width of the bounding box.

[H] indicates the height of the bounding box.

Ensure that the values for [W] (width) and [H] (height) in the [PREFERENCE DETAIL] screen match the values for [Horizontal] and [Vertical] in the [LABEL PREFERENCE] screen. The [W] and [H] values can be interchanged, as the printed image will be automatically rotated.

abel No. abel Numb abel Numb	per 2 7	Y 199 112 24	W 190 190 190	H 80 80 80						
abel Numb abel Numb	per 2 7	112	190	80						
abel Numb										
	per 3 7	24	190	80						
										_
EFERENCE								-		)
bel Prefere	ence									1
5	New 🔀 Delete	Detail	C Refresh					H Save		
	CustomerCode	Preference	eName	Driver	ŀ	Horizontal	Vertical			
	SATO	SATO GBS		SATO CL4NX 305dpi	~ 4	9	187			
۶.	Test	Layout_3U	Р	SATO CL4NX 305dpi	~ 8	0	190			
b	<b>_</b>		New         Delete         Detail           CustomerCode         Preference           SATO         SATO	New         Delete         Detail         Refresh           CustomerCode         PreferenceName         SATO         SATO         SATO GBS	New         Delete         Detail         Refresh           CustomerCode         PreferenceName         Driver           SATO         SATO GBS         SATO CL4NX 305dpi	New     Delete     Detail     Refresh       CustomerCode     PreferenceName     Driver     I       SATO     SATO     SATO CL4NX 305dpi     V	New         Delete         Detail         Refresh           CustomerCode         PreferenceName         Driver         Horizontal           SATO         SATO GBS         SATO CL4NX 305dpi         49	New         Delete         Detail         Refresh           CustomerCode         PreferenceName         Driver         Horizontal         Vertical           SATO         SATO GBS         SATO CL4NX 305dpi         49         187	New       Delete       Detail       Refresh       Main Save         CustomerCode       PreferenceName       Driver       Horizontal       Vertical         SATO       SATO GBS       SATO CL4NX 305dpi       49       187	Image: Save     Image: Save       CustomerCode     PreferenceName       Driver     Horizontal       Vertical       SATO     SATO GBS       SATO CL4NX 305dpi

• If these values differ, the software will automatically resize the image to fit the label size for printing. This adjustment can affect the cropped area and printing quality, including barcodes and QR codes. Be cautious of potential quality loss when using different sizes in the settings.

2. Once all the labels are manually set, click [Save].

### **Additional Features**

D PREFERENCE DETAIL						
Label Preference						
Label Code						
Test-Layout_3UP						
Source File						
C:\SATO\PDFSplittingTool\Samples\Test-Layout_3UP.pdf						
Printer						
SATO CL4NX 305dpi	· 🙆					
Number of Labels / A4						
3		(PCS)				
Create						
(a) (b)	(C)	(d)				
🔚 Save < Clear 🜔 Revert		Sample Sample				

#### To clear the table

Click the [Clear] button (a). The entire table will be removed. To continue setting the label layout, click the [Create] button.

#### To revert to previous setting

Click the [Revert] button (b) to revert to the last saved setting.

#### To preview the selected cropped image

Select the desired [Label Number] and click the [Preview] button (c). A PDF of the selected cropped image is shown.

#### To test print the preview image

Click the [Sample] button (d). The selected cropped image will be printed, showing the actual printing condition.



• You need to preview the cropped image before you can click the [Sample] button.

## **Printing Labels**

1. On the Main Menu, click [Driver Print].

PDF SPLIT	PDF SPLITTING TOOL - X							
PDF Global E Version 1.0		bol						
	ß	D						
	Driver Print	Setting						

The [PDF PRINTING SYSTEM] screen appears.

2. On the [PDF PRINTING SYSTEM] screen, select [Label Preference] (a) and [Printer] (b) from the respective drop-down list.

🖨 PDF PRIN	NTING SYSTEM		-		×	
−La	bel					
	Label Preference					
(a)	Test-Layout_3UP •					
(b)	Printer SATO CL4NX 305dpi •					
(c)	PDF Source File Path					
			/_			
(d) - Pa	ges to Print	- Page Order		_	(e)	
	• All	• Ascer	nding			
	O Pages	O Desce	ending			
	Prin	t 🛛	Close			

Click Direction Click Cl

- 3. Click  $\boxed{1}$  to select the desired PDF source file path (c) from the PC file system.
- 4. Choose [All] or specify the range of pages to print in the [Pages to Print] options (d).
- 5. Choose the [Page Order] option (e) to print the labels in either [Ascending] or [Descending] order.

Example:

Control Control      Contro      Control      Control      Control      Control      Contro	Provension Silia / Der 2 0 2 1 / 0 0 / 1 0 Or 1990 Com 2 0 2 1 0 9 / 1 0 Prefer 2 0 2 0 9 / 1 0 Prefer 2 0 0 0 0 0 0 0 0 Prefer 2 0 0 0 0 0 0 0 0 Prefer 2 0 0 0 0 0 0 0 Prefer 2 0 0 0 0 0 0 0 0 Prefer 2 0 0 0 0 0 0 0 0 0 Prefer 2 0 0 0 0 0 0 0 0 0 0 0 Prefer 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Ascending order The printing sequence will be as follows: Label Number 1 Label Number 2 Label Number 3 Label Number 4
Doment One Bits /           Doment One Bits /           Date         2.0.2.1./0.0./1.0           Open 2.00.00           Doment One Bits // Difference           Doment One Difference           Preventer One Difference           Them Preventer On Difference           Themment Not OpenStatz1-A.	Dimension         2.0.2.1/0.0/10.0           Own         2.0.2.1/0.0/10.0           Own         2.0.2.1/0.00004           Own         2.0.2.1091000004           Primize         SATO CL40X           Text         Preventor On Stell           Text         Preventor On Stell           Text         Preventor On Stell           Text         Preventor On Stell	<u>Descending order</u> The printing sequence will be as follows: Label Number 4
Label Number 3	UZUMITED ZZUMITE UZUMITED ZZUMITE UZUMITED ZZUMITE UZUMITED ZZUMITE UZUMITED ZZUMITE UZUMITED ZZUMITE UZUMITED ZZUMITE	Label Number 3 Label Number 2 Label Number 1

6. Click [Print] to start printing.

