



# PDF Splitting Tool User Manual

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# About This Manual




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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.
 Reference	The Reference symbol indicates the link of relevant information.



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## Software Updating Disclaimer

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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and currency of the information contained herein, there are instances where the contents of this document may be outdated.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 (<https://www.sato-global.com/drivers/redirect.html>) to check whether an updated document has been made available for your reference.

## Contact Information

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

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

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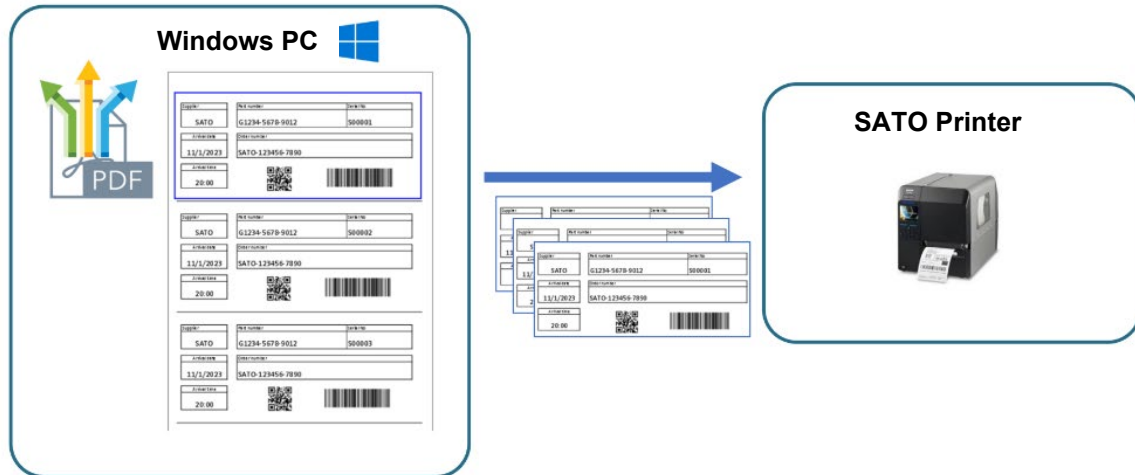
# Introduction

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## Overview

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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.



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## Features

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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

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### 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.

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# Getting Started

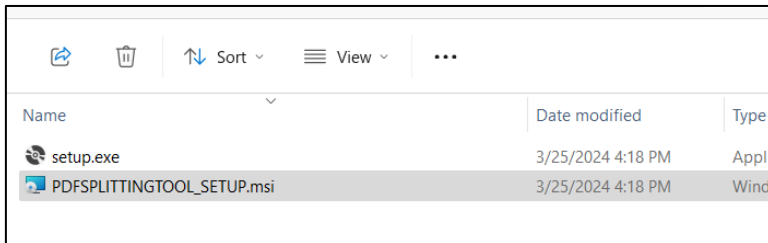
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## Installation

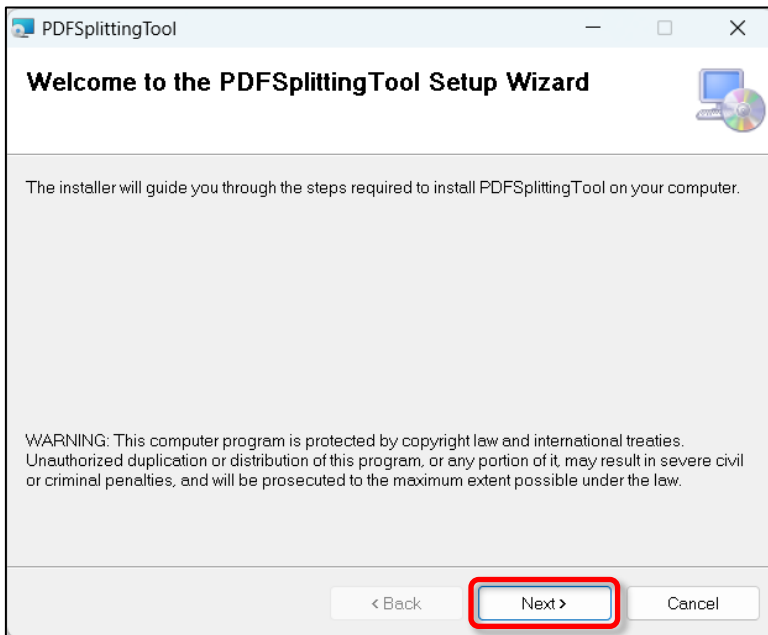
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Please contact your SATO technical support to download the PDF Splitting Tool installation software.

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

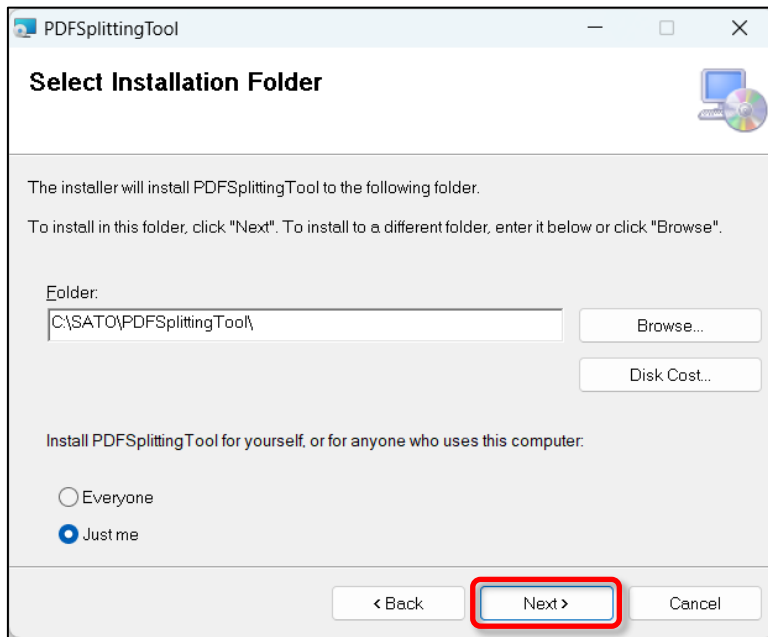


2. **When the setup wizard dialog is shown, click [Next].**



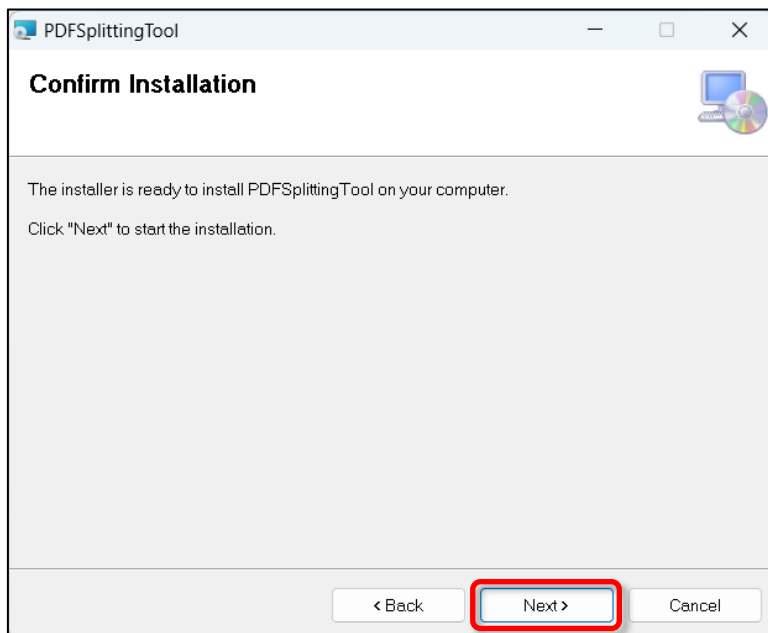
### 3. Confirm the default installation location and click [Next].

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



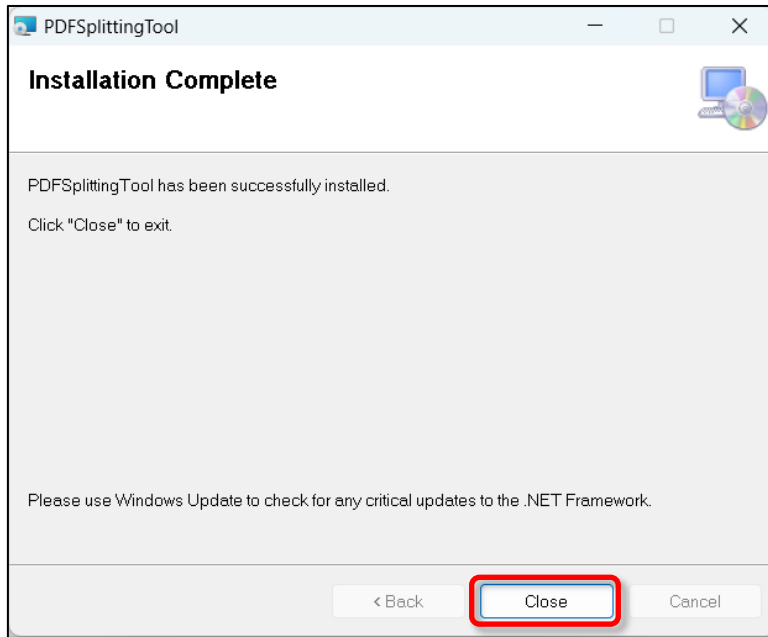
- Click [Disk Cost] to view the list of drives available for installing PDF Splitting Tool, along with the available and required disk space for each drive.

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





**5. Click [Close] upon the successful installation.**



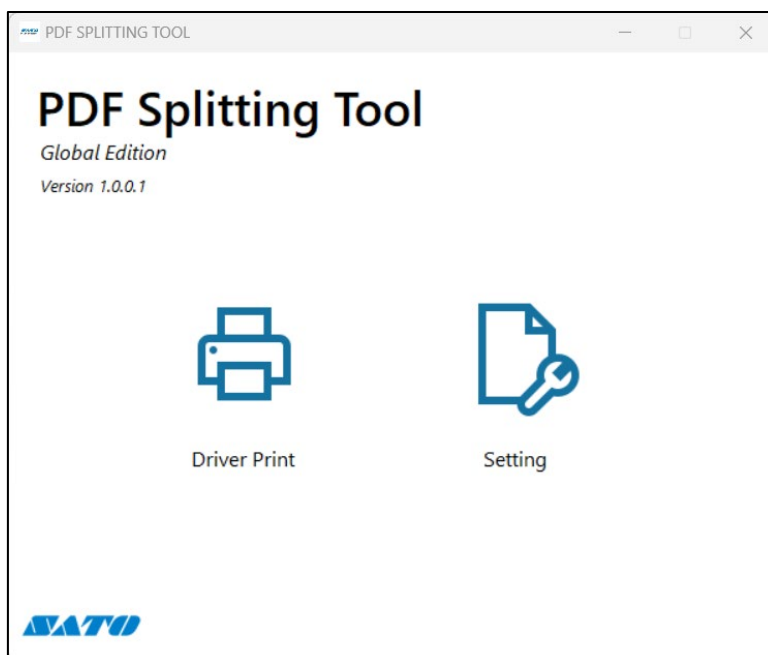
## Opening the PDF Splitting Tool

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



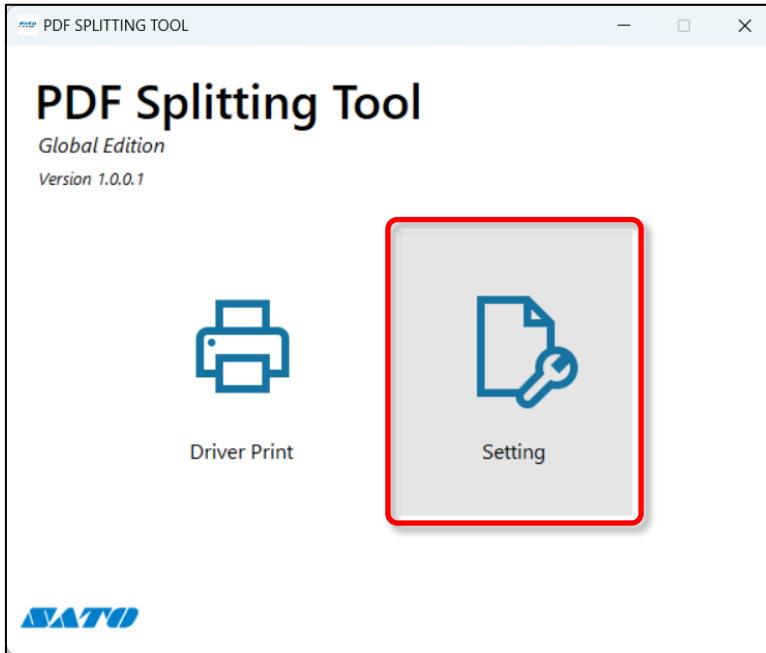
2. The [PDF SPLITTING TOOL] main menu is shown.



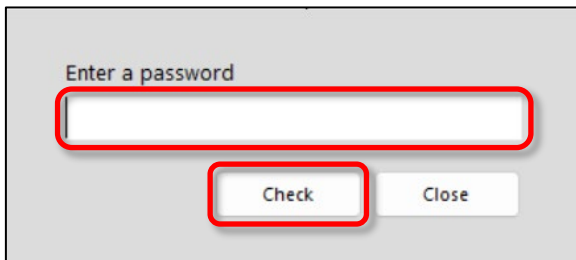
# Setting Preferences

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

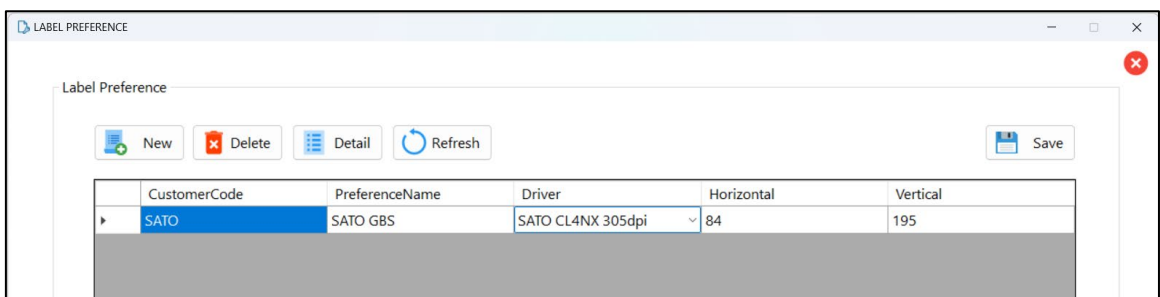
1. On the main menu, click [Setting].



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



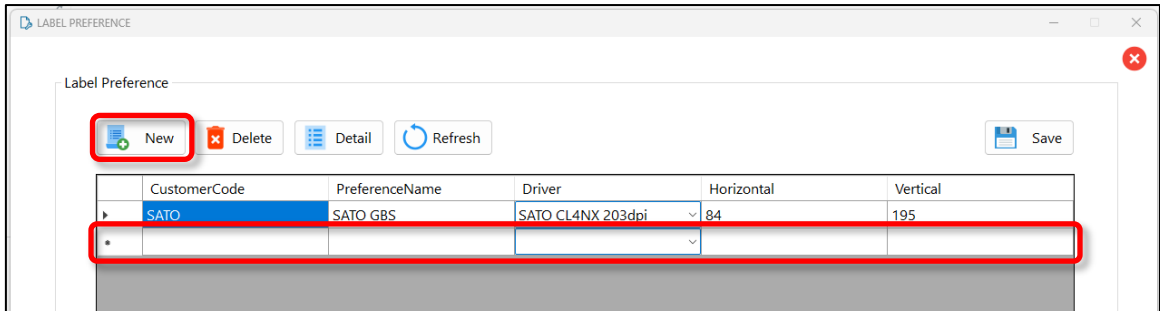
The [LABEL PREFERENCE] screen appears.



# Adding a New Splitting Layout Preference

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

A new row is added to the list.



## 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:

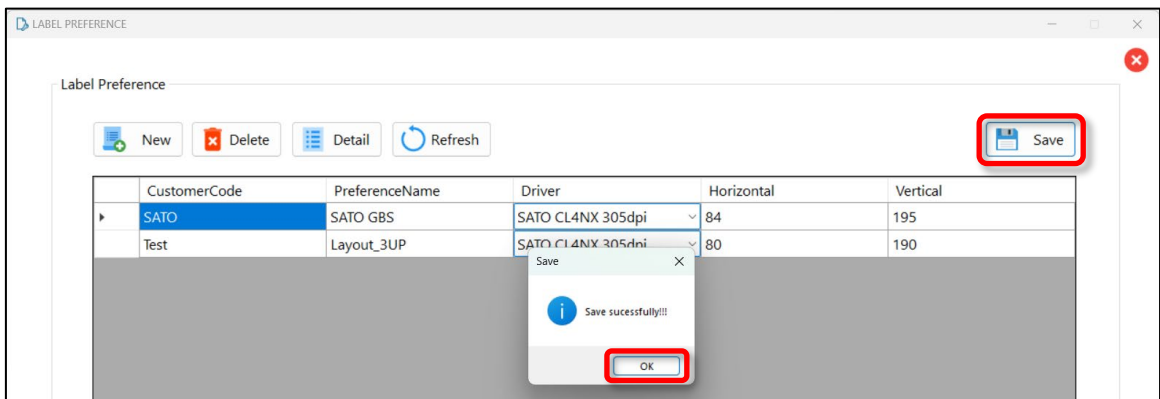
[https://www.sato-global.com/files/Printer\\_Drivers/Windows\\_Printer\\_Driver/SATO\\_Driver.zip](https://www.sato-global.com/files/Printer_Drivers/Windows_Printer_Driver/SATO_Driver.zip)

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

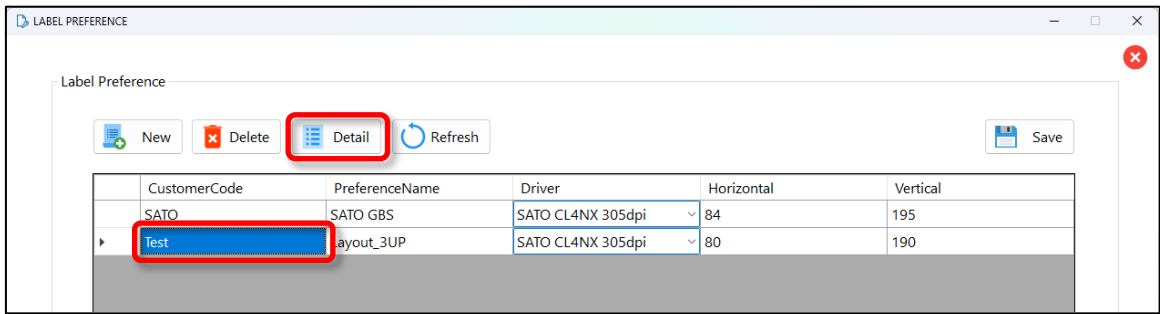
[Vertical]: Set the length of the label size (in millimeters).

## 3. Click [Save].

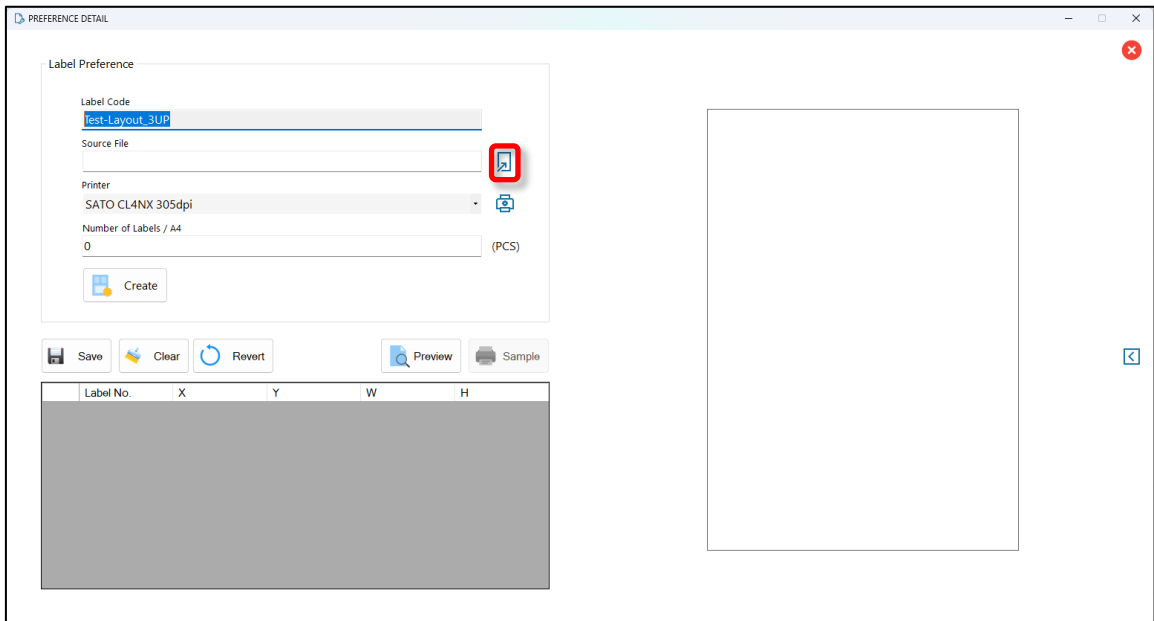
A dialog appears when the data is successfully saved. Click [OK] to continue.



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

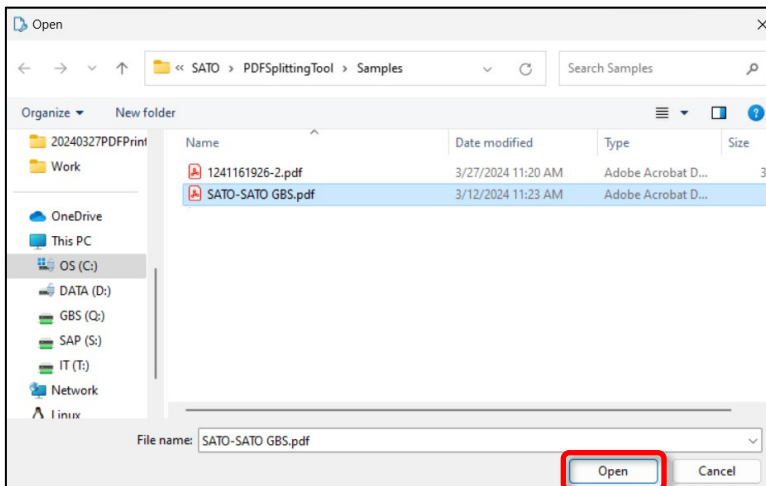


5. Click  to select a source file from the PC file system.

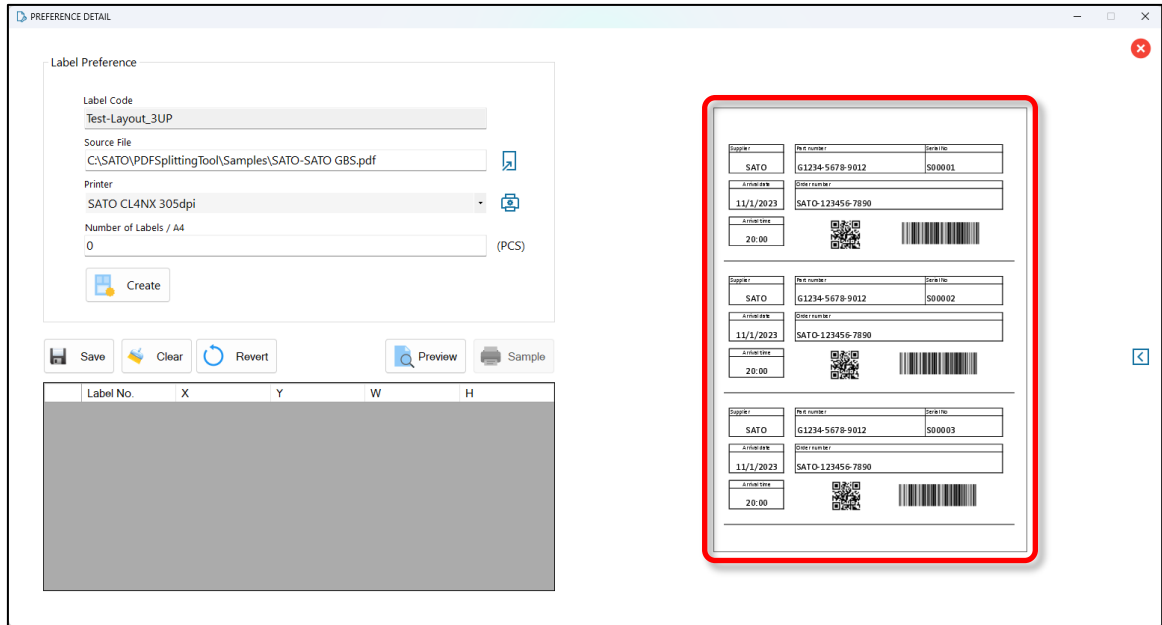


- The source file should be a PDF file in A4 size. Only PDFs in portrait orientation are supported.

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

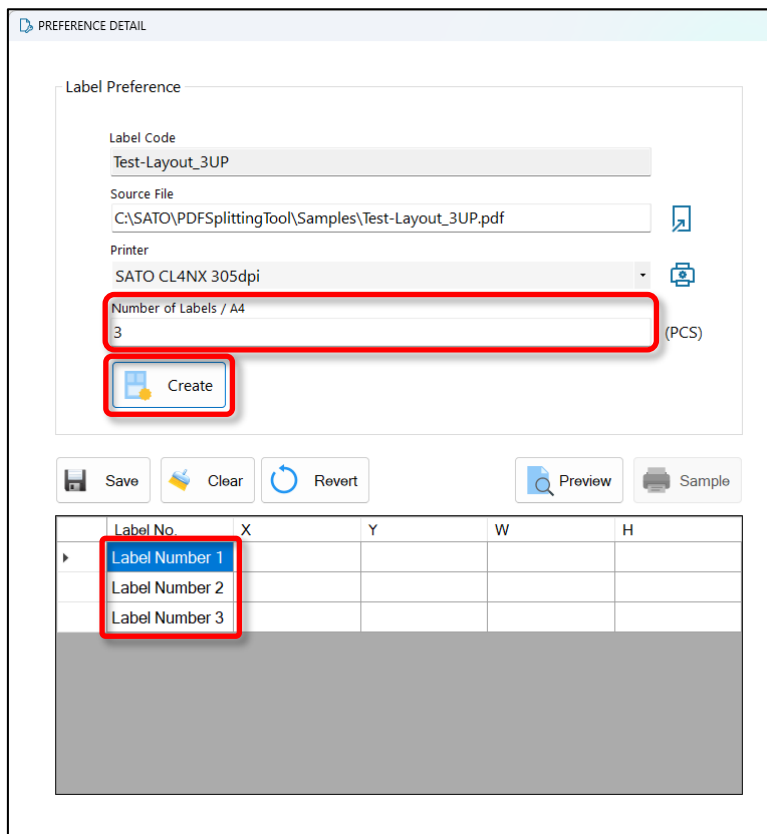


The content of the PDF will be shown on the right panel of [PREFERENCE DETAIL] screen.



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

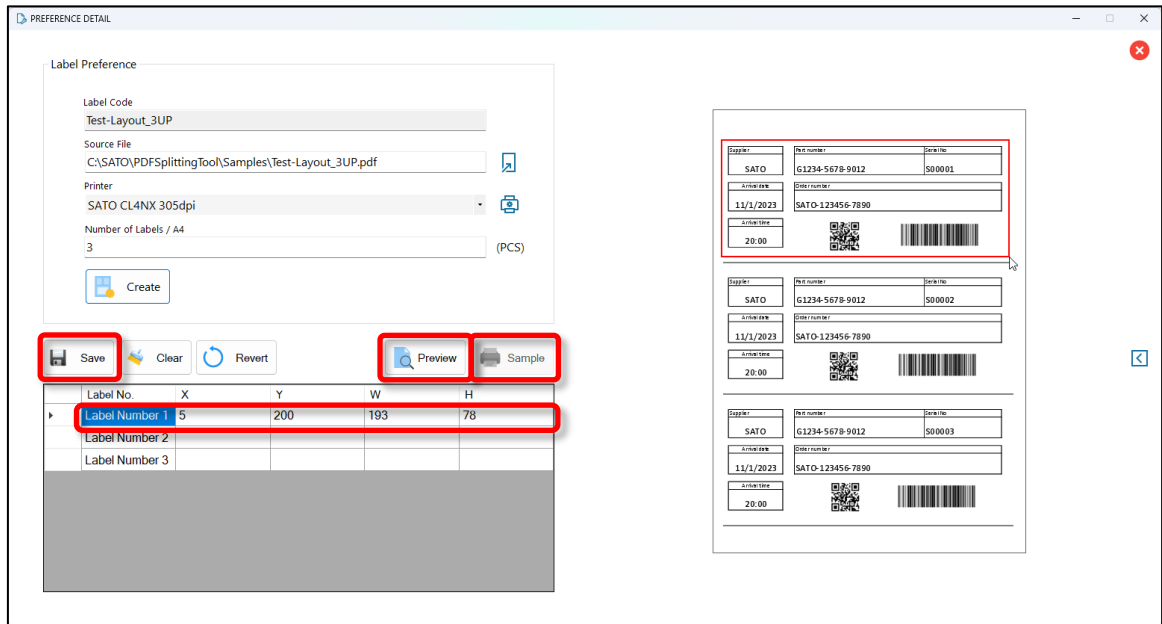
The [Label Number] will be added accordingly to the table below.



**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 [Configuring the Cropped Area Manually](#).

#### 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  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.

The screenshot shows the 'PREFERENCE DETAIL' window. On the left, there is a 'Label Preference' section with fields for Label Code, Source File, Printer, and Number of Labels. Below this is a table with columns 'Label No.', 'X', 'Y', 'W', and 'H'. The table contains three rows of data. On the right, there is a preview of three labels. The labels are arranged vertically. The dimensions of the bounding box for the labels are indicated as W: 190mm and H: 80mm. The origin (0,0) is marked at the bottom-left corner of the PDF page.

Label No.	X	Y	W	H
Label Number 1	7	199	190	80
Label Number 2	7	112	190	80
Label Number 3	7	24	190	80

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.

The screenshot shows the 'LABEL PREFERENCE' window. It contains a table with columns 'CustomerCode', 'PreferenceName', 'Driver', 'Horizontal', and 'Vertical'. The 'Horizontal' and 'Vertical' values are highlighted in red.

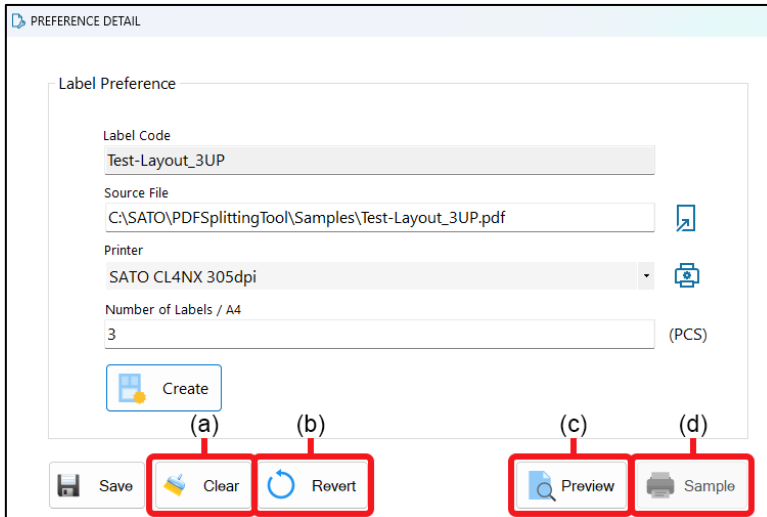
CustomerCode	PreferenceName	Driver	Horizontal	Vertical
SATO	SATO_GBS	SATO CL4NX 305dpi	49	187
Test	Layout_3UP	SATO CL4NX 305dpi	80	190

- 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



### 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

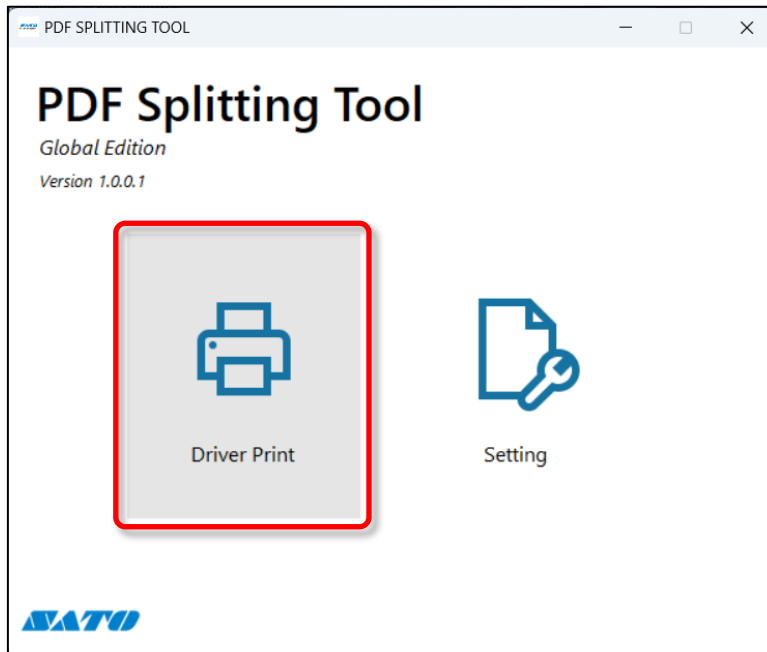
Click the [Sample] button (d). The selected cropped image will be printed, showing the actual printing condition.



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

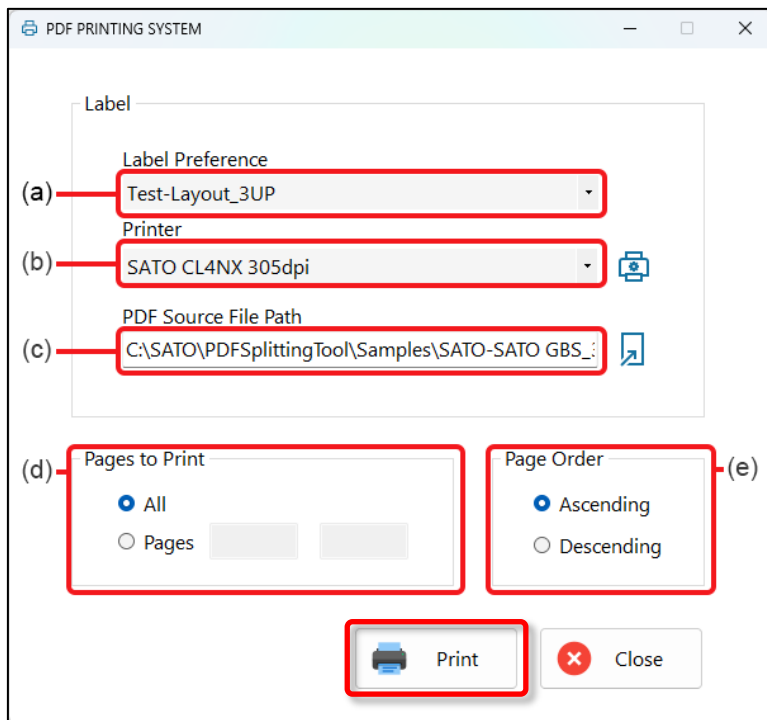
# Printing Labels

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




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.



Click  to open the printer's properties, if required.

3. Click  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:



Ascending order

The printing sequence will be as follows:

- Label Number 1
- ↓
- Label Number 2
- ↓
- Label Number 3
- ↓
- Label Number 4

Descending order

The printing sequence will be as follows:

- Label Number 4
- ↓
- Label Number 3
- ↓
- Label Number 2
- ↓
- Label Number 1

6. Click [Print] to start printing.

**SAVO**