



TerioStation

User's Manual

Revision 1.6

OKI Data Infotech Corporation

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Documentation Scope

This document explains the TerioStation's functions and describes the instructions for their operations.

TerioStation is ...

TerioStation™ is integrated software for OKI Data Infotech printers, operating on Microsoft Windows® and allowing latest user interface functions.

TerioStation's main functions are

- Preview;
- Print;
- Scan and file; and
- Scan and copy

of the following data.

- Image data (TIFF/JPEG/PNG/BMP);
- Drawing data (HP-GL/HP-GL2/HP RTL); and
- PDF files

To use the PDF Print function, LP-874 TerioStation PDF Print must be purchased separately.

Main functions and file format compatibility table

Function	File type							
	TIFF	JPEG	PNG	BMP	HP-GL	HP-GL2	HP RTL	PDF
View	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Print	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Scan	Yes	Yes	No	No	No	No	No	Yes
PDF Print (View)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Best
PDF Print (Print)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Best

TerioStation uses the libraries of the following manufacturers.

ABCpdf .NET 7.0

Copyright (C) 2009 WebSupergoo.

ImageKit7 ActiveX

Copyright (C) 2006 Newtone Corporation.

Harlequin Host Renderer

Copyright (C) 1989-2007 Global Graphics Software Ltd.

PDF Print function is ...

The PDF Print function is an optional function to allow PDF data processed at high speed, employing Global Graphics Software's Harlequin Host Renderer.

The PDF Print function is activated by entering a license key to the printer.

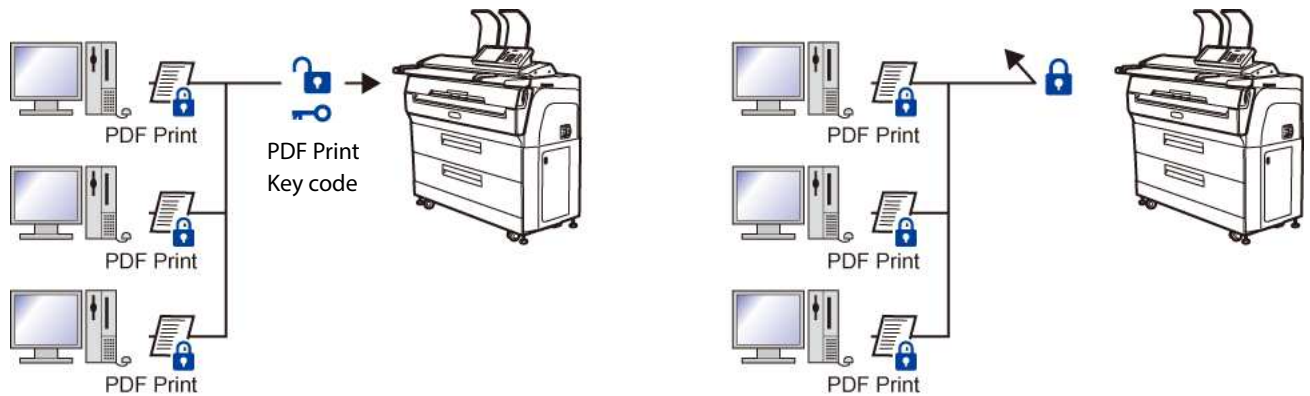


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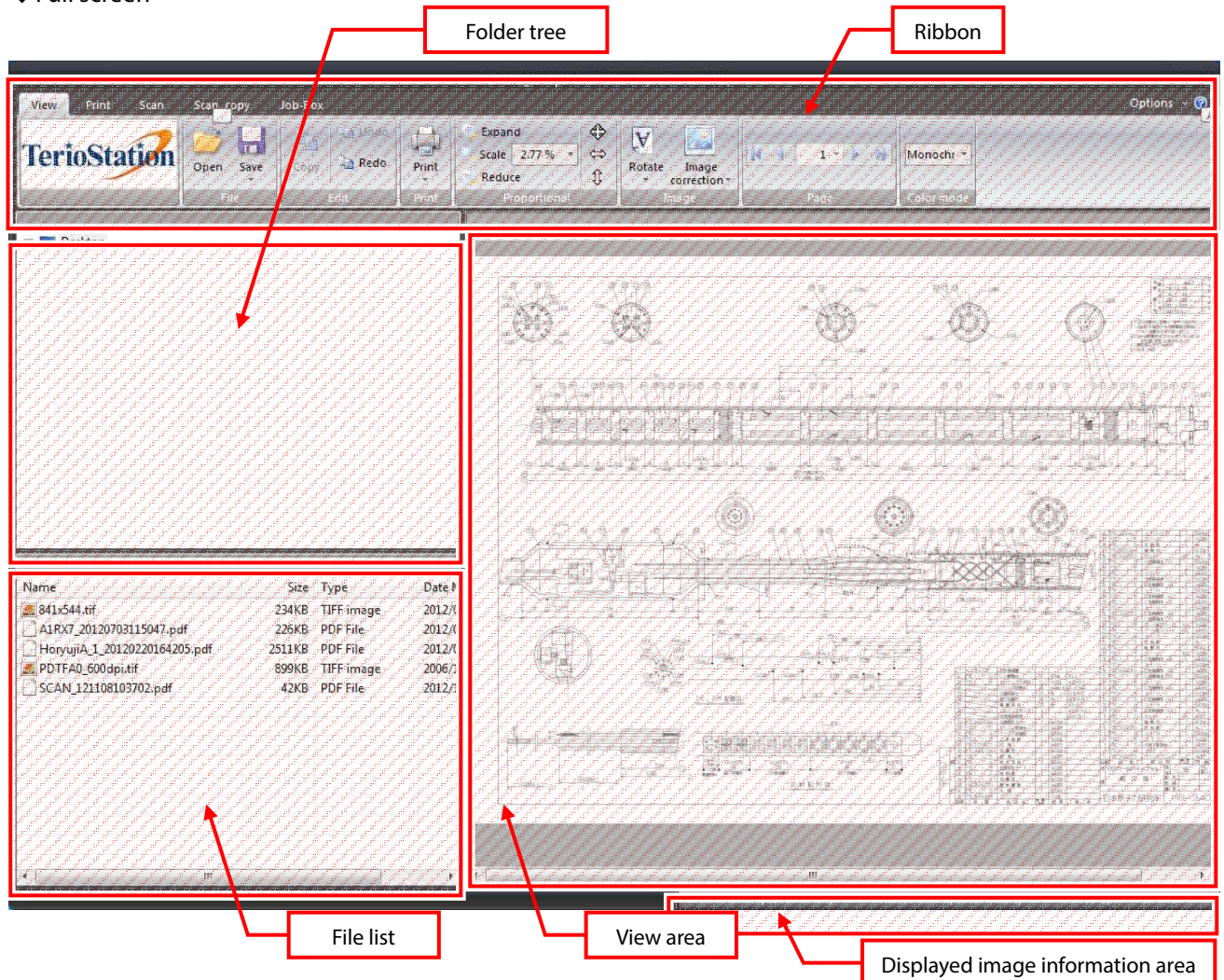
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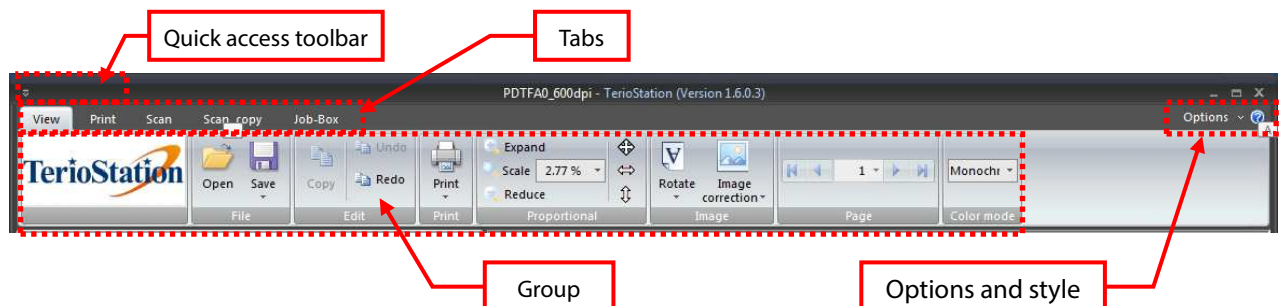
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Chapter 1 TerioStation window layout and main functions

◆ Full screen



Ribbon



In TerioStation, you can use the following functions by selecting tabs in the ribbon.

Main functions

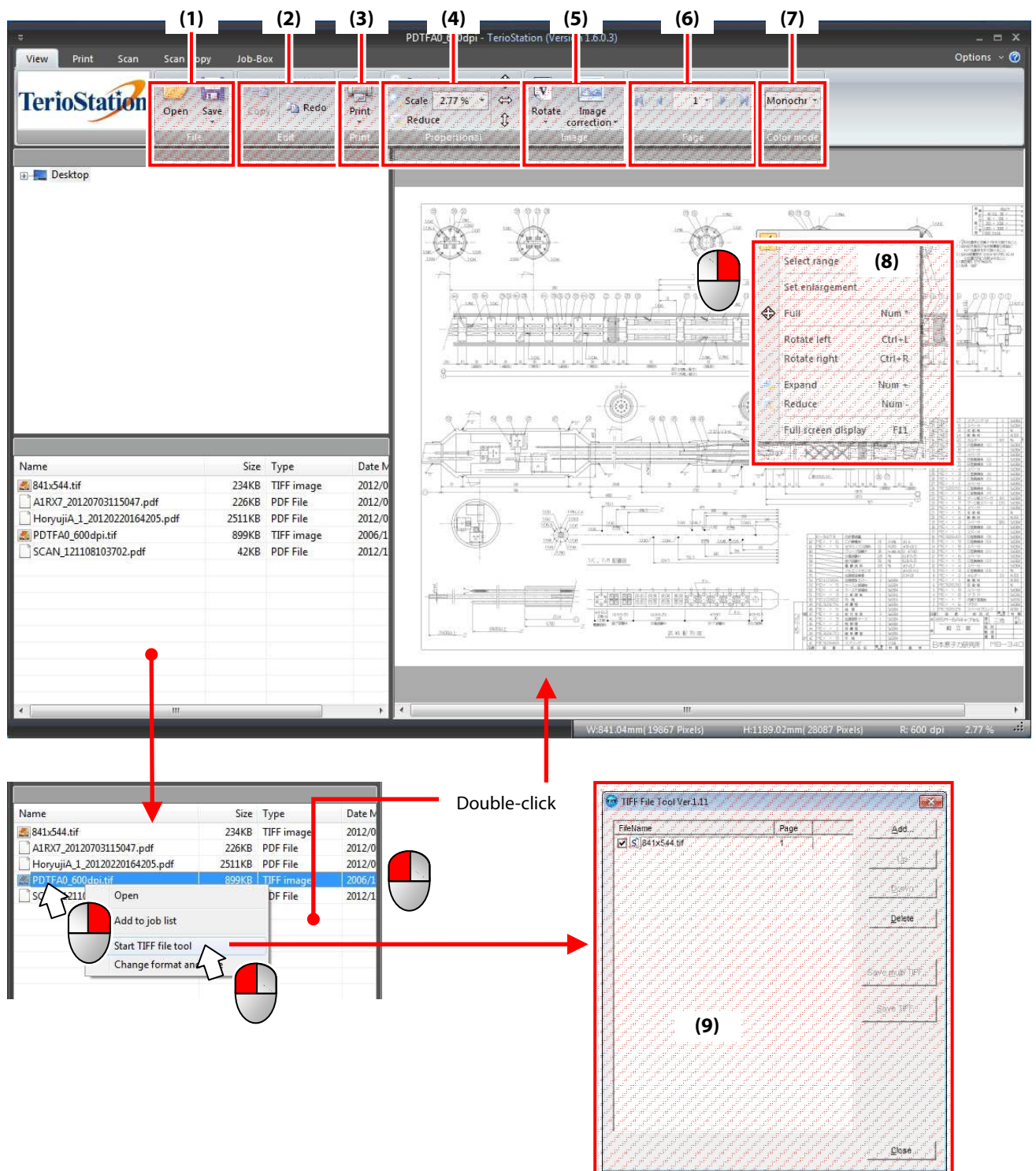
Tabs	Functions
View	You can view, print, edit, and save in a different format.
Print	You can perform batch printing and simple job management.
Scan*	You can scan, and then save the scan as a file.
Scan & Copy*	You can scan, and then print the scan using a specified printer.
Submission Job Box*	You can connect to the Submission Job box and PDtF box of a printer.





* **View** and **Print** in the tabs are displayed by default.

To display the **Scan**, **Scan & Copy**, and **Job-Box** tabs, configure the Tab/Job-Box display settings in the Options settings.

Chapter 2 View

2.1 View tab layout



No.	Group	Operation	Explanation	Reference page
(1)	File	Open Save	Open the image data Save image data	p. 14 p. 14
(2)	Edit	Copy Undo Redo	Copy a selected area Return displayed content to its previous state Redo an edited image	p. 15 p. 15 p. 15
(3)	Print	Print	Print displayed content	p. 16
(4)	Zoom	Expand Scale Reduce   	Expand the display Specify the display scale Reduce the display Display all content Fit image to the paper's horizontal size Fit image to the paper's vertical size	p. 16 p. 16 p. 16 p. 16 p. 16 p. 16
(5)	Image	Rotate Image correction	Rotate the image Correct and adjust the image	p. 19 p. 19
(6)	Page		Change the page when a file contains two pages or more	p. 21
(7)	Color mode	Monochrome/Color	Select the color mode of the image to be displayed	p. 21
(8)		Image edit menu	To display this menu, right-click on the display area.	p. 22
(9)		TIFF File Tool	To display this tool, right-click on the list, and then select Start TIFF File Tool .	p. 25

2.2 View's menu

This function views image or drawing data.

Besides, simple image data is processed and printed.



2.2.1 File

◆ Open

Open the image data



Hint

The TIFF, JPEG, PNG, PDF, BMP, H-PGL, HP-GL2, and HP RTL files are supported.

◆ Save

Save image data

Three saving methods are available as follows.

(1) Save

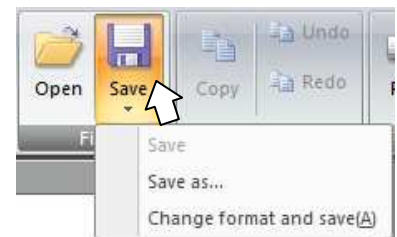
The image data overwrites the original data with the resolution, with which its original data was displayed.

(2) Save as...

You can change the file name before saving.

(3) Change format and save

You can change the file format before saving.



Note

You can save in the following formats: TIFF, BMP, PNG, and PDF.

You cannot save to the following formats: HPGL, HPGL2, and RTL.

2.2.2 Edit

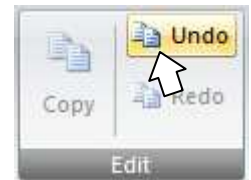
◆ Copy

Save a copied image of a selected area to the clipboard temporarily.



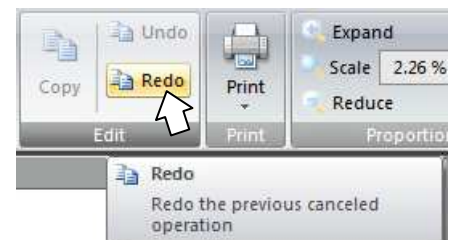
◆ Undo

Return edited image data to its original state.



◆ Redo

Redo edited image data.



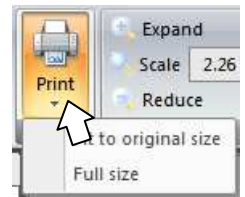
2.2.3 Print

Fit to original size

Enlarge or reduce displayed content to fit to the paper size, and then print the content.

Full size

Print displayed content at full size.



Hint

- The data is printed with Windows Printer Driver.
- The original file in TIFF, PNG, PDF, BMP, and JPEG is supported.



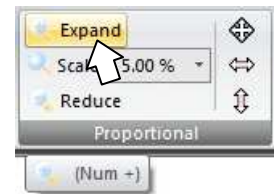
Note

The original file in HPGL, HPGL2, and RTL are not supported.

2.2.4 Zoom

◆ Expand

Zoom in on the image data.



◆ Scale

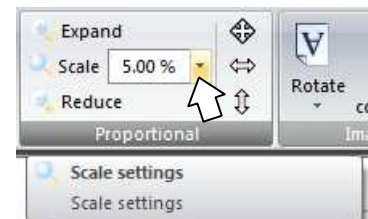
Display the image data according to the zoom scale.



Hint

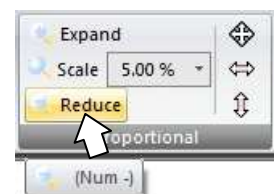
The following scales can be selected from the pulldown menu: 25%, 50%, 75%, 100%, 150%, 200%, 300%, and 400%.

If you enter a value manually, you can specify a value from 1 through 1600%.



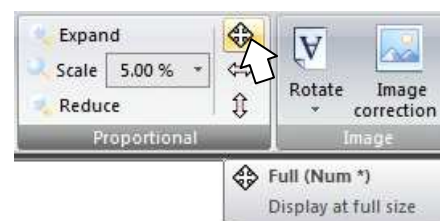
◆ Reduce

Zoom out from the image data.



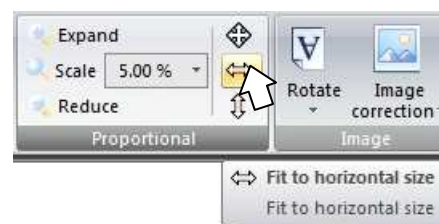
◆ Overview

Fit the image data to the viewer.



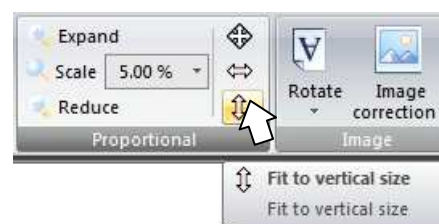
◆ Fit to horizontal size

Fit the image data to the paper's horizontal size.



◆ Fit to vertical size

Fit the image data to the paper's vertical size.



2.2.5 Image

◆ Rotate

Rotate the image data

(1) Rotate left

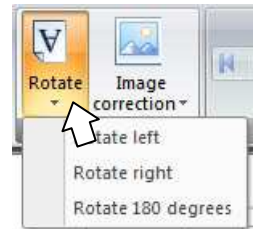
Rotate the image data 90° counterclockwise.

(2) Rotate right

Rotate the image data 90° clockwise.

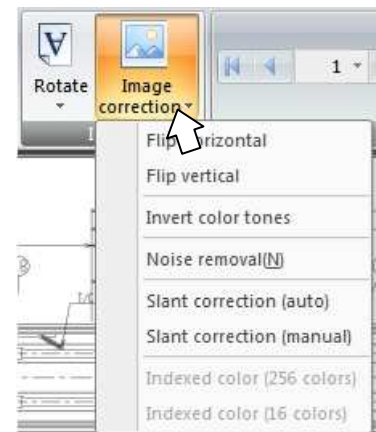
(3) Rotate 180

Rotate the image data 180°.



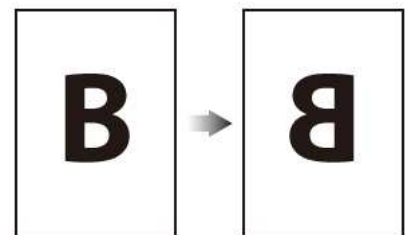
◆ Image correction

Correct and adjust the image data.



(1) Flip horizontal

Mirror reverse left and right.



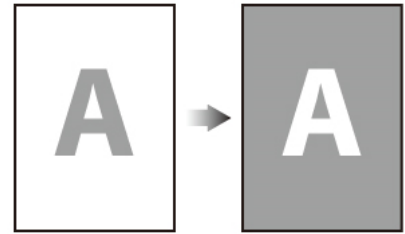
(2) Flip vertical

Mirror reverse top and bottom.



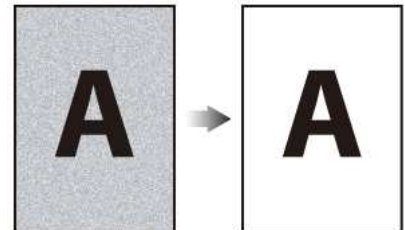
(3) Invert color tones

Reverse Positive and Negative image data.



(4) Noise removal

Remove the noise of image data.



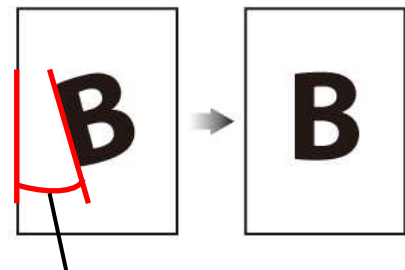
(5) Slant correction (auto)

Automatically correct the tilt of image data.



Hint

During automatic correction, the angle between the left side of the image and a straight line at the left end of the image is detected automatically and then corrected. If an image shows no straight line at its left end, automatic correction is not performed.



The angle is detected

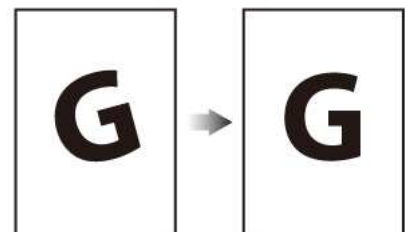
(6) Slant correction (manual)

Correct the tilt of image data with a specified value.



Hint

Range is -359.9999 to 359.9999 degree.



(7) Indexed color (256 colors)

Reduce the image data to the one with 256 indexed colors.

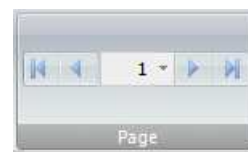
(8) Indexed color (16 colors)

Reduce the image data to the one with 16 indexed colors.

2.2.6 Page

◆ Page selection

Change the page when a file contains two pages or more.



2.2.7 Color mode

Monochrome

Display the image in monochrome (Default setting).

Color

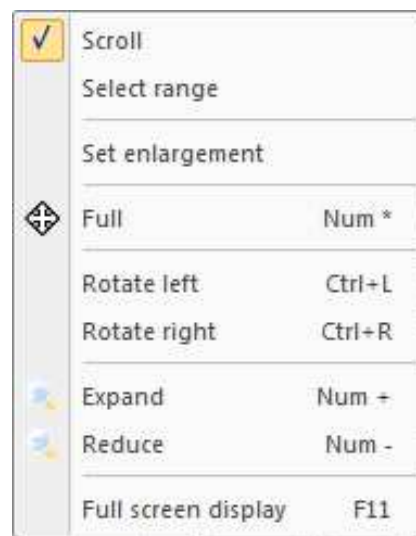
Display the image in color.



2.3 Edit in view function

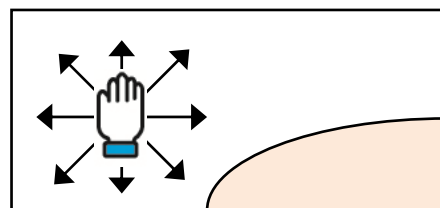
Right-click to display the cursor menu.

When image data is not displayed, the menu does not appear.



(1) Scroll

If you select **Scroll** in the cursor menu and hold the left mouse button, on the view the mouse icon changes to the hand cursor. If the image is larger than the view, you can move the image using the cursor. To change the hand cursor to the mouse icon again, release the left mouse button.

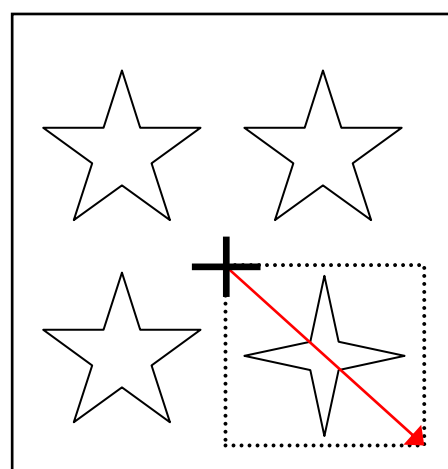


(2) Select range

If you select **Select range** in the cursor menu, a cross-shaped cursor appears on the view. If you hold the left mouse button and move the mouse, a rectangular area is selected. Then, when you release the left mouse button, the rectangle is displayed with dotted lines.

While the rectangle is displayed with dotted lines, **Copy** is available in the **Edit** tab. With **Copy** clicked, the image data in the rectangle is saved to the clipboard.

To clear the rectangular selection, click the left mouse button.

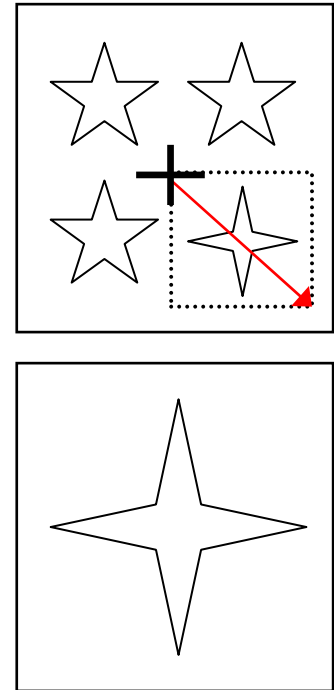


(3) Set enlargement

If you select **Set enlargement** in the cursor menu, a cross-shaped cursor appears on the view. When you hold the left mouse button and move the mouse, a rectangular area is selected. When the rectangle is displayed with dotted lines and the left mouse button is released, the selected section is expanded.

Note that the section is enlarged so that the larger one of the vertical and horizontal length of the image area fits to:

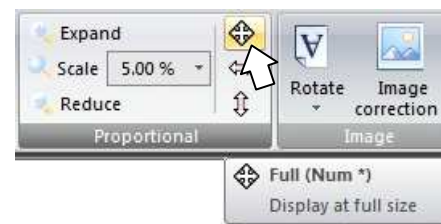
- the view's vertical side, when the image area's vertical side is longer; or
- the view's horizontal side, when the image area's horizontal side is longer.



(4) Full

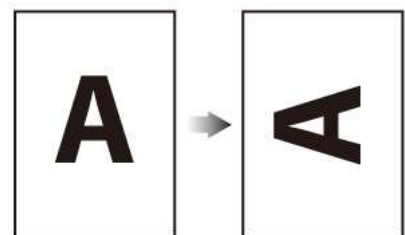
The image data is displayed so that it fits to the view.

This item has the same effect as the Full button on the window to the right.



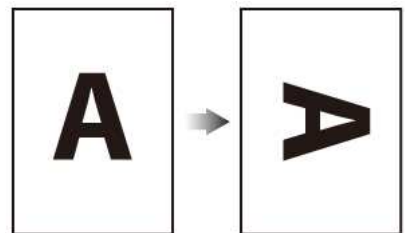
(5) Rotate left

Rotate the image data 90° counterclockwise.



(6) Rotate right

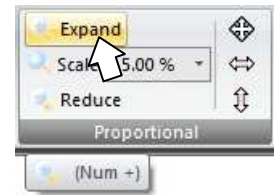
Rotate the image data 90° clockwise.



(7) Expand

Zoom in on the image data.

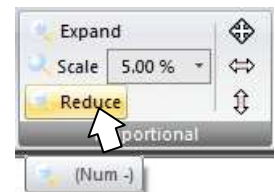
This item has the same effect as the **Expand** button on the window to the right.



(8) Reduce

Zoom out from the image data.

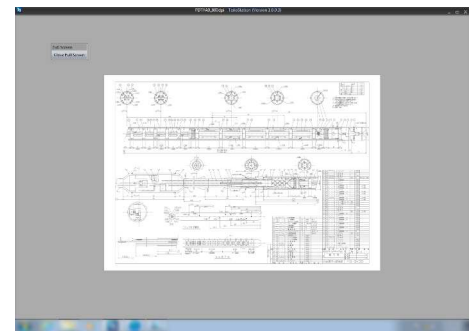
This item has the same effect as the **Reduce** button on the window to the right.



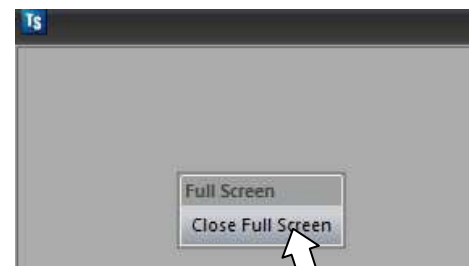
(9) Full screen display

The view is displayed at full screen.

The magnification of the displayed image data is not changed.



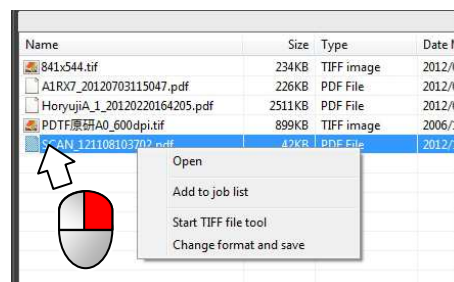
If **Close Full Screen** is clicked or the **F11** key is pressed, the display returns to its original state.



2.4 File list in view function

Right-click on the list to display the cursor menu.

To select multiple files, use one of the following key and mouse combinations: CTRL and left click or SHIFT and left click.



(1) Open

Display the selected file on the view.

(2) Add to Job List

The selected file is added to the job list of the print function.

(3) Start TIFF file tool

TIFF File Tool is started.



Hint

TIFF File Tool is a tool for creating multi-page TIFF file. Its functions are:

Edit the order of pages;

- ☒ Check the folder containing the selected file, and display the folder's file list; and
- ☒ Select a file from the list, and create multi-page TIFF.

(4) Change Format and save

The image format of the file selected from the file list is changed and saved.



Note

You cannot change and save the data with the following formats: HPGL, HPGL2, and RTL.

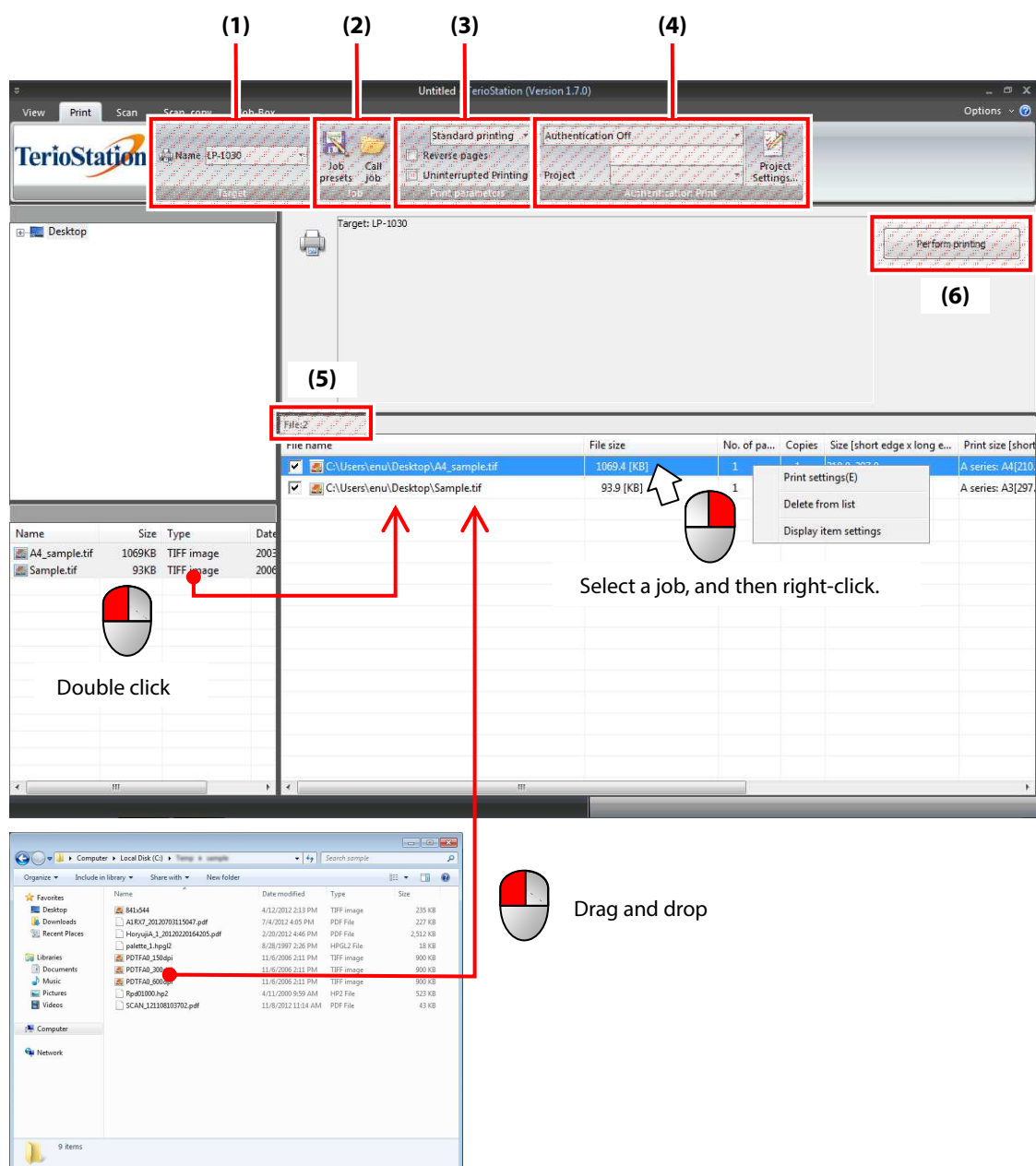
Chapter 3 Print

3.1 Print window layout

Image files and drawing files can be printed from the file list.

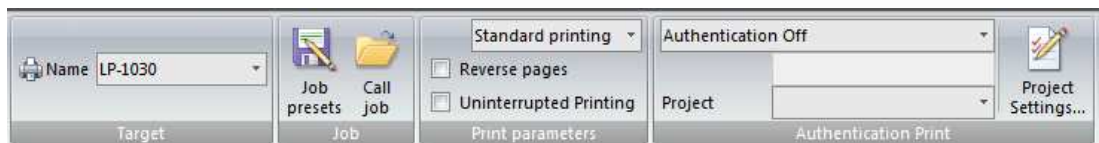
The information of image data is displayed in the Job list.

From **View** tab, files can be added to the job list.



No.	Group	Operation	Explanation	Reference page
(1)	Target		Select a printer.	p. 28
(2)	Job	Job presets	Save a job list.	p. 28
		Call job	Call a saved job list.	p. 28
(3)	Print parameters		Configure the print parameters.	p. 29
(4)	Authentication Print		Configure the authentication parameters.	p. 32
(5)		Number of files	View the number of files registered to the job list.	
(6)		Perform printing	Print a file that was registered to the job list.	

3.2 Print's menu



3.2.1 Target

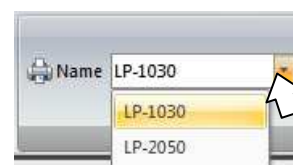
◆ Printer selection

Select a printer.



Hint

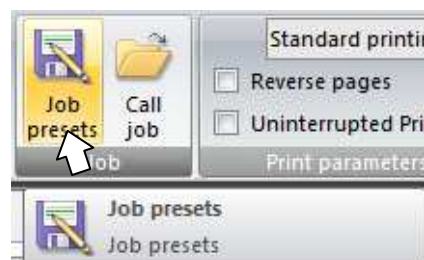
Data is printed with a printer specified in options. Refer to option pages for details.



3.2.2 Job

◆ Job presets

Save a job.



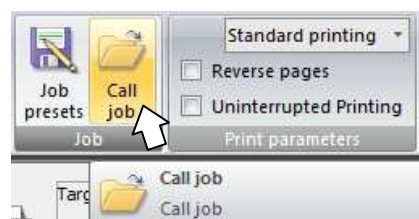
◆ Call job

Open a saved job.



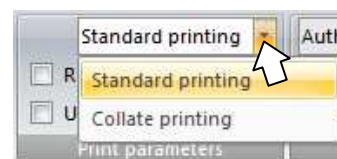
Note

Do not change the location of image data saved as a job.



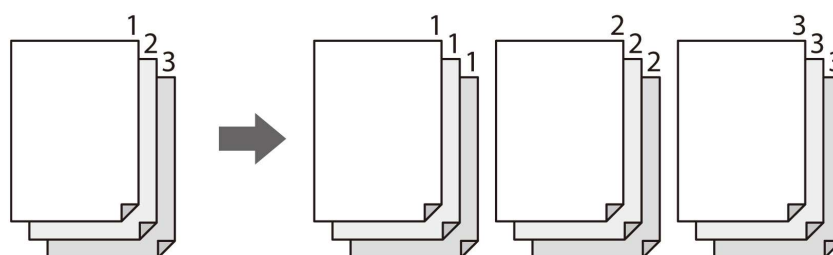
3.2.3 Print parameters

Configure the print parameters.



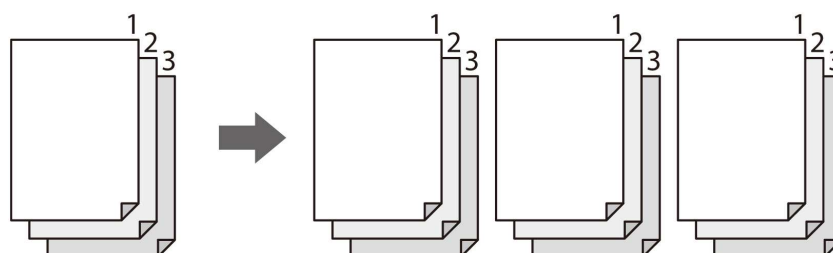
◆ Standard printing

The job is printed normally.



◆ Collate printing

The job is collated and printed.

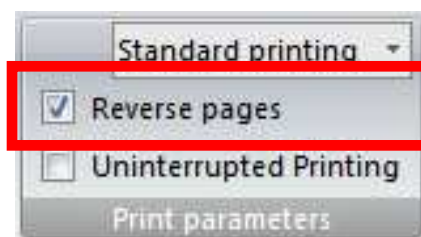
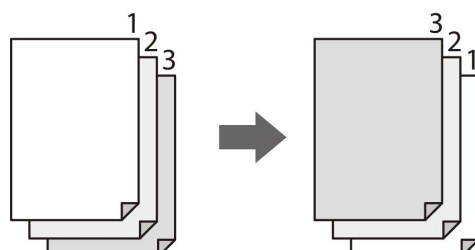


Note

When multiple files are collated and printed, the number of copies of each target file is the same. The number of copies cannot be specified for each file.

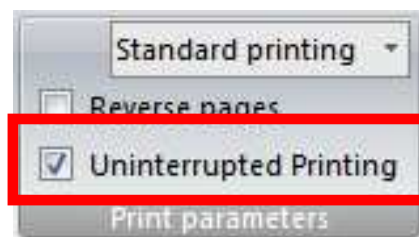
◆ Reverse pages

Print reversely.



◆ Uninterrupted Printing

Configure whether to print the jobs continuously. Check the Uninterrupted Printing box to print multiple files continuously. The print operation then cannot be interrupted by other jobs until all the files are printed.



Hint

Uninterrupted printing is available only in XPT or lpr modes. Multiple files of up to 1000 pages in total can be printed with Uninterrupted Printing.

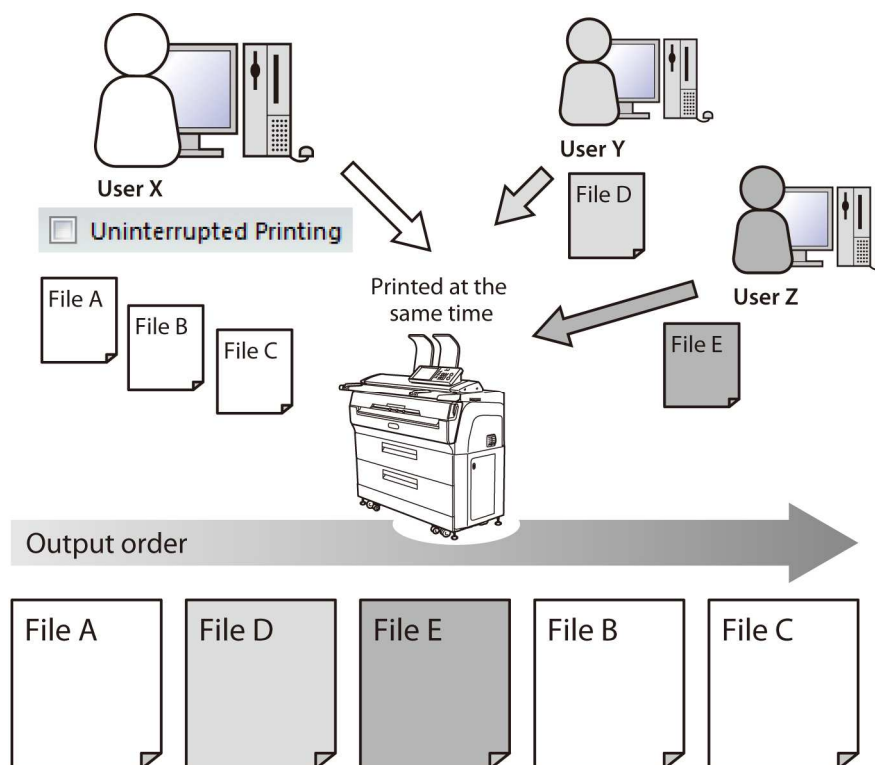


Note

Printing with Uninterrupted Printing takes more time compared to printing without this feature.

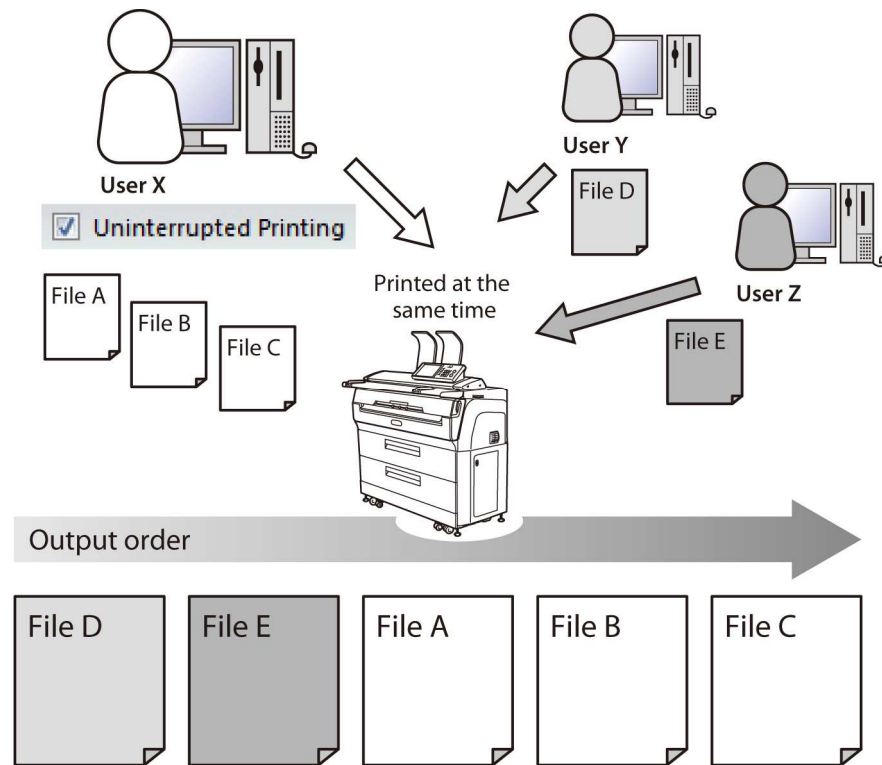
< When not using Uninterrupted Printing >

When several users print multiple files with the same printer, it may happen that the printouts (printed sheets) are mixed when output.



< When using Uninterrupted Printing >

When the Uninterrupted Printing box is checked, the printouts are not mixed between users. All your files are printed and output together.



Hint

The printing order depends on the timing when the printer receives the data.

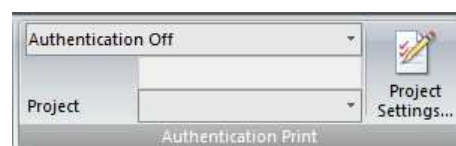
3.2.4 Authentication Print

When the authentication function is set on the printer, the users must enter their assigned PIN code or login name + password to be able to print.

The one-time password setting is also available when the authentication function is not set on the printer.

Through this setting, the print job is kept on the printer until the user enters a password that is used only once. This is useful when printing highly confidential documents.

Projects can also be assigned to print jobs. Used together with the authentication function, it makes it possible to gather information on who printed jobs in which project.



Hint

This function is available only in XPT or lpr modes.

◆ Authentication method selection

Select the authentication method.



(1) Authentication Off

Select this only when the authentication function is not set on the printer.



(2) One-time password authentication

You can set a password of your choosing so that the print job is kept on the printer until this password is entered. This is useful to print highly confidential documents when the authentication function is not set on the printer.

To output the printout, the user must press

Authenticated Printing on the printer panel and enter the password.



(3) PIN Code Authentication

When the authentication method is set to PIN code on the printer, the user must enter a PIN code to print.



Note

Users without an assigned PIN code cannot print.

(4) Password Authentication

When the authentication method is set to login name + password on the printer, the user must enter a login name to send a print job.

To output the printout, the user must press

Authenticated Printing on the printer panel and enter the password.



Note

Users without assigned login name and password cannot print.

◆ Project settings

You can add or delete a project, and change a project name.

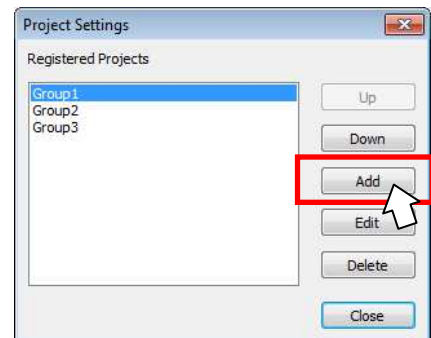


Hint

When project names are registered on the printer, you can assign one of these names to a job. This job will then be recognized as part of the project in the job log.

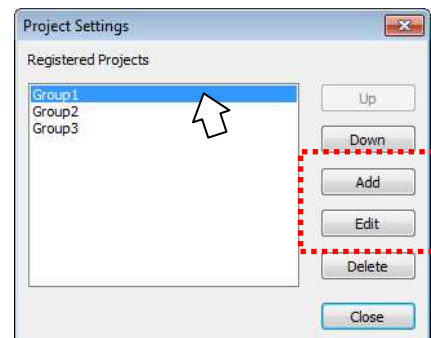


Click Add to **Add** a project.

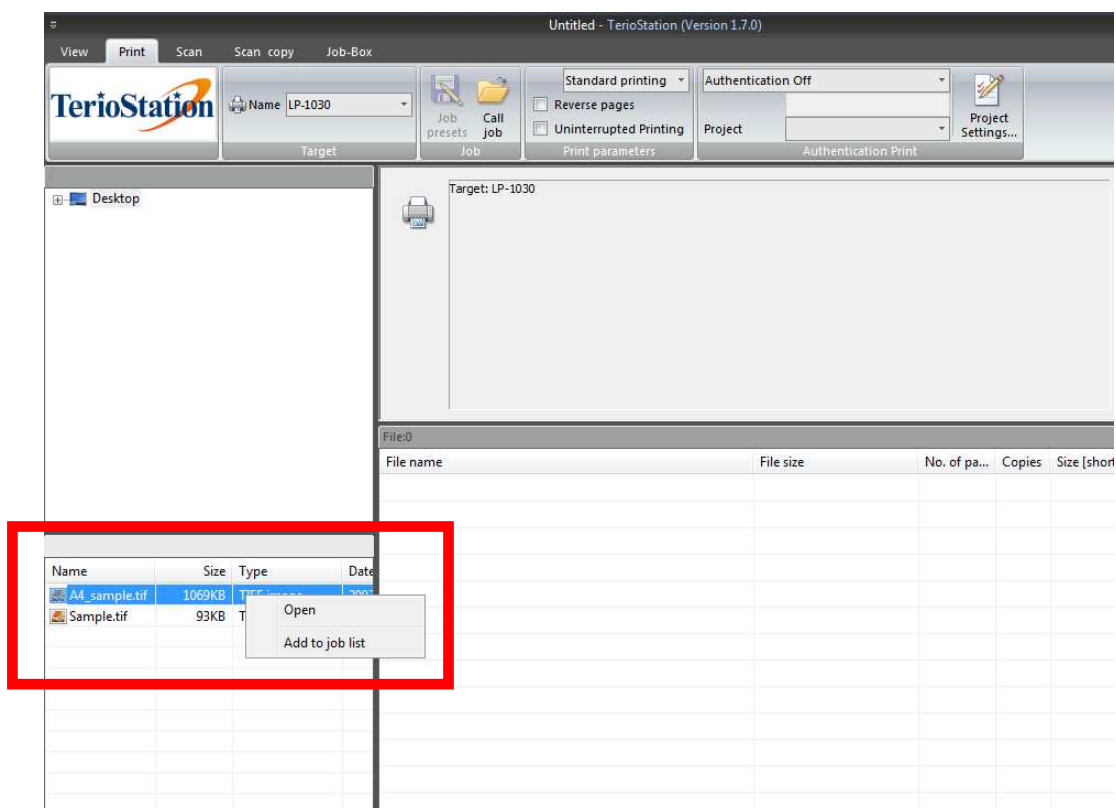


Hint

You may also click **Edit** or **Delete** to respectively edit or delete projects already registered.

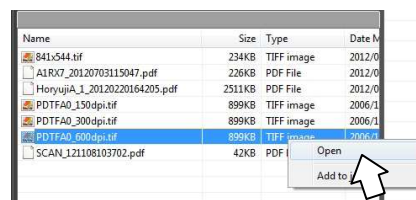


3.3 File list in print function



(1) Open

The selected file is opened when **Open** is selected, and the image data is displayed on the view.



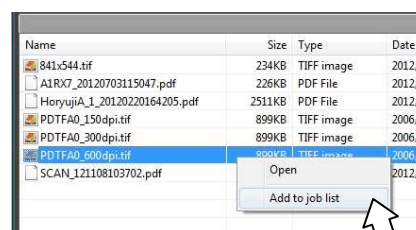
(2) Add to Job List

The selected file is added to the job list of the print function.



Hint

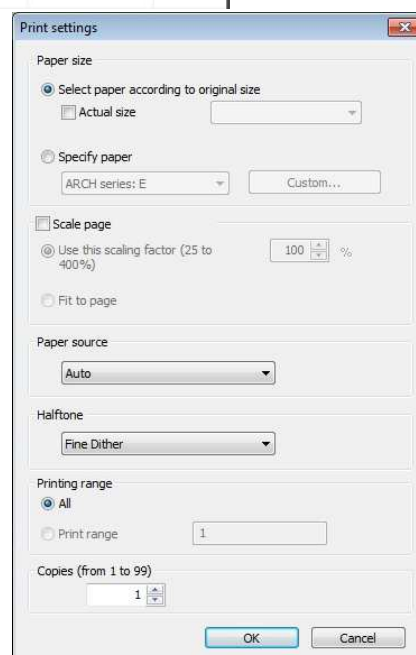
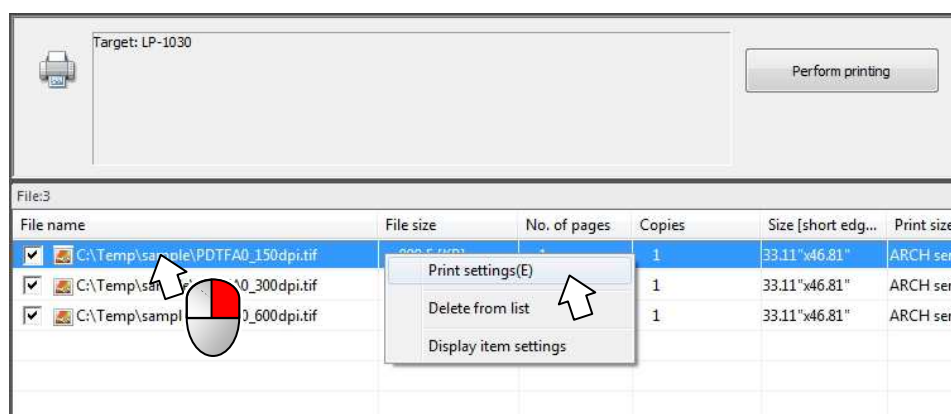
You can add files to the job list in one of the following ways: double-click a selected file or drag the file to the other window.



3.4 Use of job list in print function

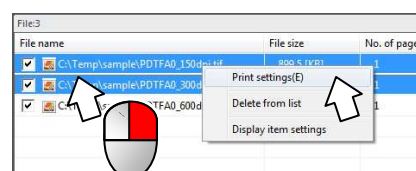
3.4.1 Print settings

The print setting dialog of the specified file is displayed.



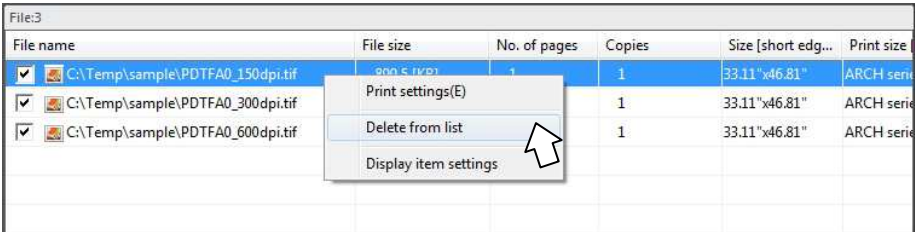
Hint

You can select multiple files and configure them as a batch.



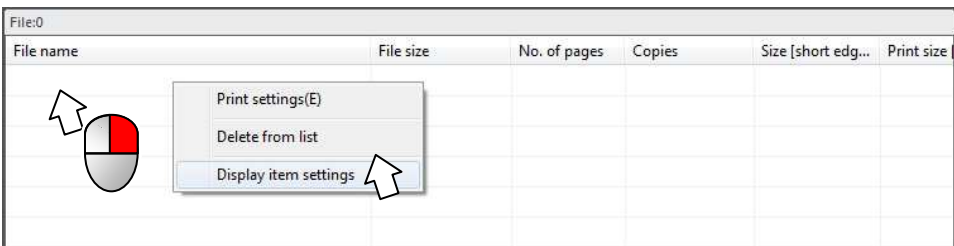
3.4.2 Delete from list

The print job is deleted from the job list.



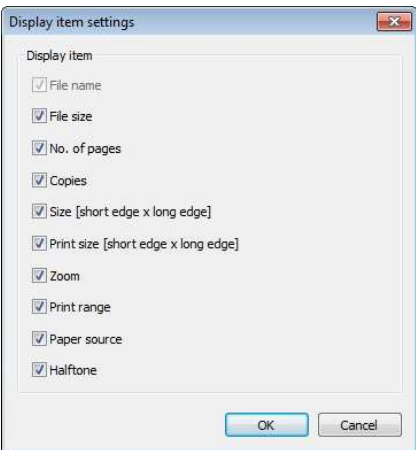
3.4.3 Display item settings

Specify items to be displayed in the job list.



The image to the right shows the default display settings.

Select the check boxes of the items you want to display, and clear the check boxes of the items you do not want to display.



Display example

File name	File size	No. o...	Co...	Size [short edg...	Print size [sh...	Zoom	Print r...	Paper so...	Halftone
C:\Temp\3011...	899.5 [KB]	1	1	33.11"x46.81"	ARCH series: ...	None		Auto	Fine Dither
✓ C:\Temp\sam...	899.5 [KB]	1	1	33.11"x46.81"	ARCH series: ...	None		Auto	Fine Dither

3.5 Print settings

3.5.1 Select a paper size

Select paper sizes to print.

(1) Select paper according to the original size, without Actual size checked

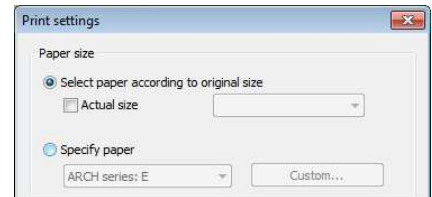
Use this setting for the print with a standard size.

The printer selects standard-size paper most suitable for the original size.



Hint

For details, see Section 11.1 **Print a 36x22-inch PDF file with a standard size.**



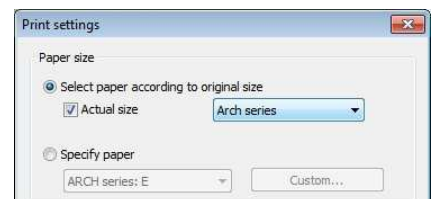
(2) Select paper according to the original size, with Actual size checked

The printer prints at actual size with the selected series. Use this setting to print at the actual size of the original. You can print an original of an irregular size while reducing white space.



Hint

For details, see Section 11.2 **Print a 36x22-inch PDF file with an actual size.**



(3) Specify paper

The printer prints on a specified paper regardless of document sizes.



(4) Custom...

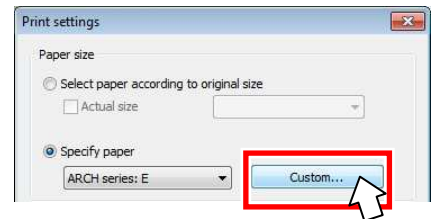
The **Custom...** button can be applied to save user defined sizes



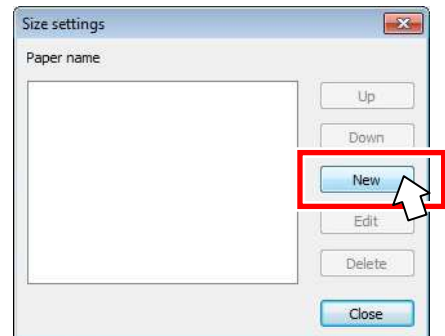
Hint

At maximum 50 user-defined sizes can be saved.

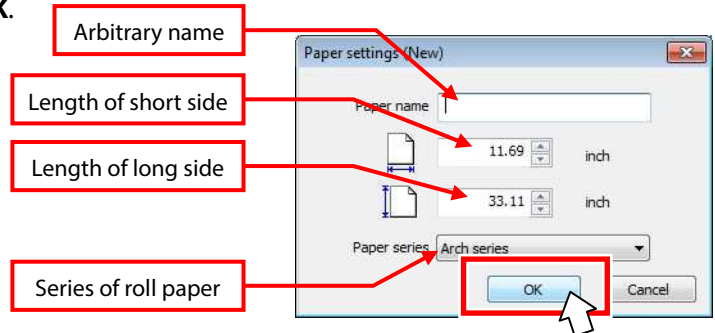
(a) Click **Custom**.



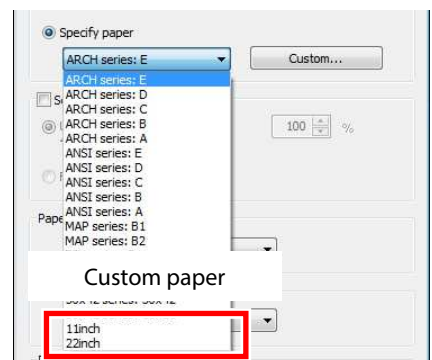
(b) Click **New**.



(c) See the image to the right, configure the settings, and then click **OK**.



When the settings are complete, the custom setting is added to the pulldown list to specify the paper. This pulldown can be used the next time the paper size is selected.



3.5.2 Scale page

You can scale the original document.

(1) Specify the scaling factor (25...400%)

Specify the scaling factor of the original document.



Hint

The scaling range is from 25 through 400%.



(2) Fit to the page

The printer prints the data with fitting to the specified size.



Hint

When **Actual size** is checked, **Fit to the page** is invalid.



3.5.3 Paper source

Select the roll paper for printing.

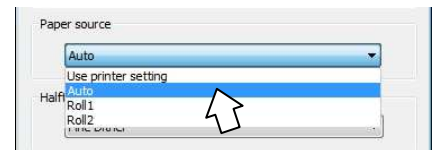
(1) Use printer setting

The printer selects the roll paper according to the printer setting.



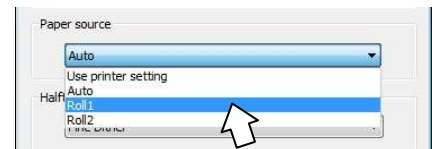
(2) Auto

The printer automatically selects a roll paper minimizing blank spaces.



(3) Roll 1 to Roll 4

The printer selects a roll paper to print on. The quantity of the installed roll paper differs depending on the printer model.



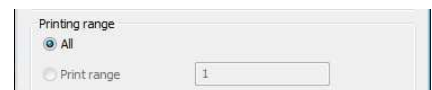
Hint

For details, see Section 11.4 **Print on 18-inch roll paper at Roll 2 with fitting to ARCH series standard size.**

3.5.4 Printing range

(1) All

The printer prints all pages in the file



(2) Print range

The print pages are specified by:

- Page number with comma, e.g., 1,3,6
Pages 1, 3, and 6 are printed.
- Two page numbers with hyphen, e.g., 4-8
Pages 4 to 8 are printed.

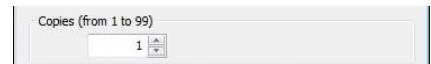


Hint

Print pages can be specified with every job.

3.5.5 Copies

The value specifies the quantity of the print copies.



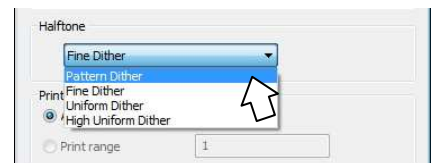
3.5.6 Halftone

Specify the dither pattern for binarization of the original.

You can select from the following four patterns.

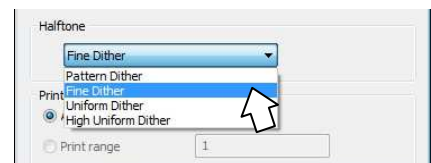
(1) Pattern Dither

The pattern is recommended for illustration as its gradations are well-modulated.



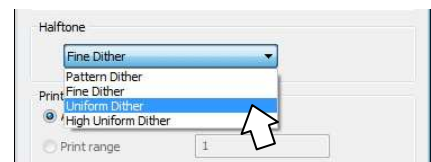
(2) Fine Dither

The pattern is recommended for CAD drawings, photographs, and maps.



(3) Uniform Dither

The pattern is recommended for the drawing with large solid painting or CG image.



(4) High Uniform Dither

Grayscale image is more stable than at Uniform Dither.

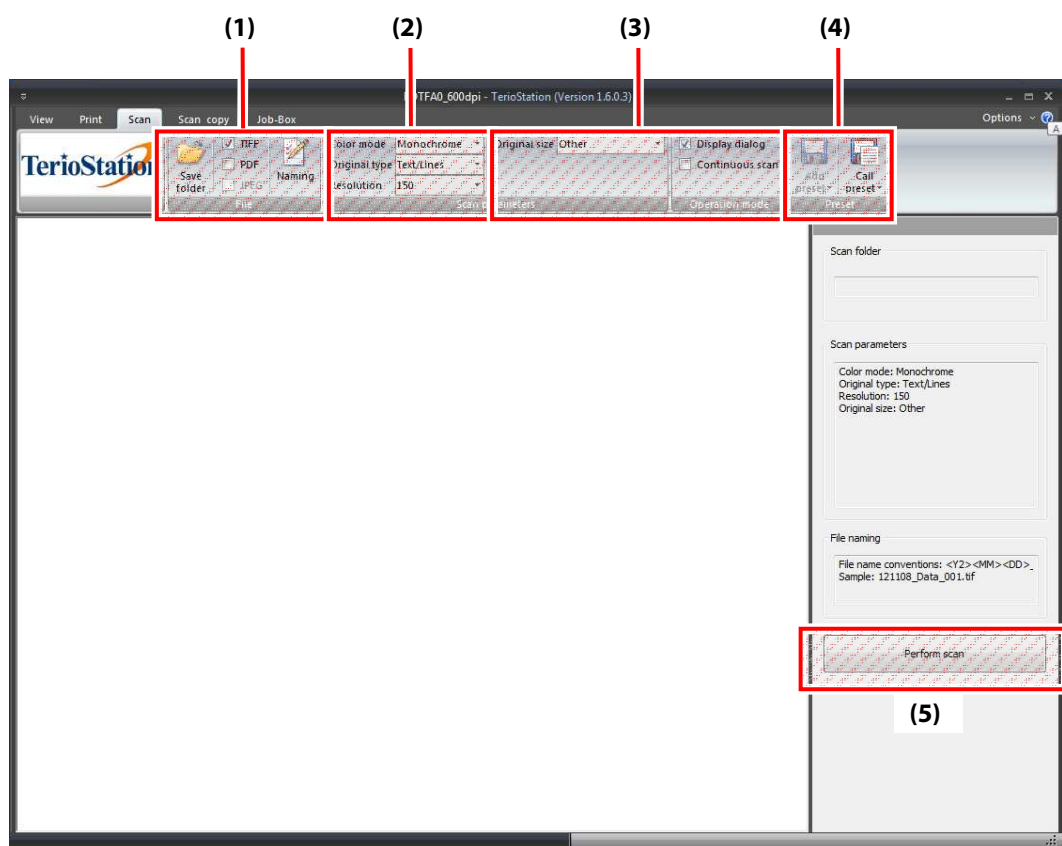


Chapter 4 Scan

The printer imports data by scanning from multifunction devices.

The scanned data can be saved as TIFF, PDF, or JPEG file.

4.1 Scan window layout



No.	Group	Operation	Explanation	Reference page
(1)	File	Save folder	Configure the save folder.	p. 45
		Select a format	Select the data format in which to save scanned images.	p. 45
		Naming conventions	Specify naming rules for scanned data.	p. 46
(2)	Scan parameters	Color mode	Select the color mode of the original document to be scanned.	p. 47
		Original type	Select the type of the original document to be scanned.	p. 47
		Resolution	Select the resolution for scanning.	p. 48
		Original size	Select the size of the paper to be scanned.	p. 48
(3)	Operation mode		Select the operation mode for scanning.	p. 49
(4)	Preset	Add preset	Add scan settings.	p. 51
		Call preset	Call scan settings.	p. 52
(5)		Perform scan	Perform a scan.	

4.2 Scan's menu



4.3 File

◆ Save folder

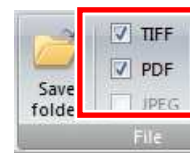
Specify the folder to save the data.



◆ Select a format

Three data formats below are available.

- TIFF The printer saves data as a TIFF file.
- PDF The printer saves data as a PDF file.
- JPEG The printer saves data as a JPEG file.



Hint

JPEG can be selected only when the **Color mode** setting is **Color** or **Gray**.

◆ Naming conventions

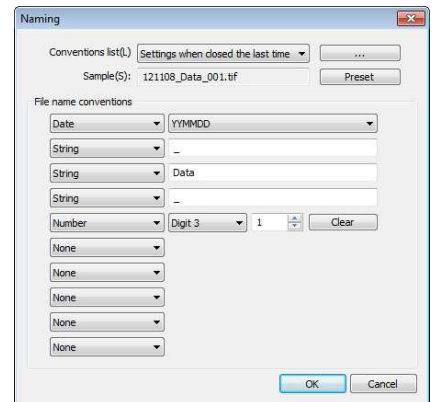
Specify naming rules for scanned data.



Hint

On the convention list, the combination of the four below can be used to creating file name conventions.

- (1) Text string
- (2) Date
- (3) Number
- (4) Reserved word



Example:

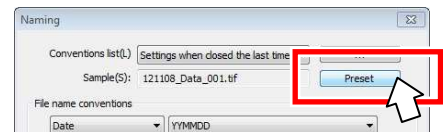
20121015_data_001.tif

Date: YYYY/MM/DD

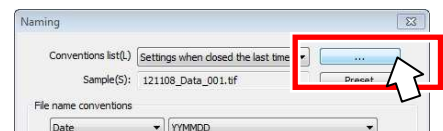
Text string: _data_

Number: 3-digit

If **Preset** is clicked, the setting is added.



Click the ... button to delete added naming convention lists or change list names.



4.4 Scan Parameters

◆ Color mode

Select the color mode of the original document to be scanned.

You can select from the following three patterns.

- (1) Monochrome (1bit)
- (2) Grayscale (8bit)
- (3) Color (24bit)



◆ Original type

Select the scanned original document's type.

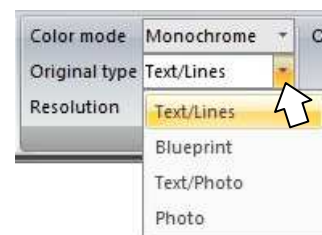
The patterns that can be selected depend on the

Color mode.

Monochrome mode

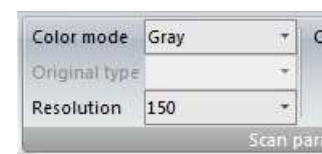
You can select from the following four patterns.

- (1) Text & lines
- (2) Blueprint
- (3) Text & photos
- (4) Photographic paper



Grayscale mode

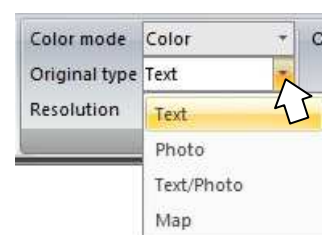
Cannot be selected.



Color mode

You can select from the following four patterns.

- (1) Text
- (2) Photographic paper
- (3) Text & photos
- (4) Map

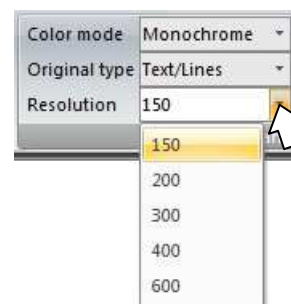


◆ Resolution

Select the resolution for scanning.

You can select from the following five patterns.

- (1) 150dpi
- (2) 200dpi
- (3) 300dpi
- (4) 400dpi
- (5) 600dpi



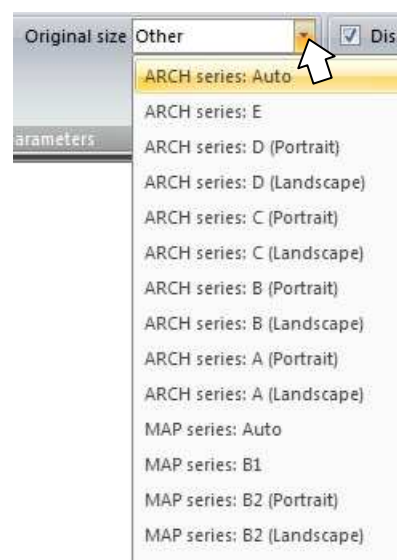
◆ Original size

Select the size of the original document to be scanned.



Hint

You can select from the size standards that are specified in the print settings in the options. For the procedure to configure options, see **7.1.2 Select series**.



4.5 Operation mode

Select the operation mode for scanning.

◆ Display dialog

Configure whether to display the Scan Driver dialog box.

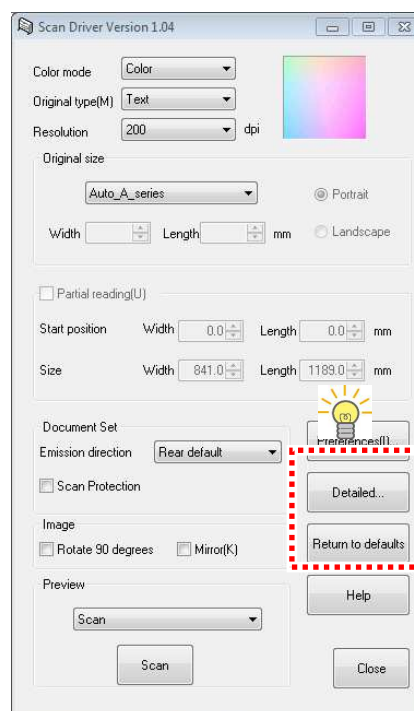
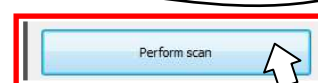
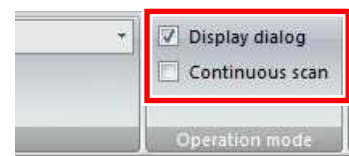
If the **Display dialog** check box is selected and **Perform scan** is clicked, the Scan Driver dialog box appears.



Hint

The printer starts scanning immediately when:

- The **Display dialog** check box is not selected; and
- **Perform scan** is clicked.

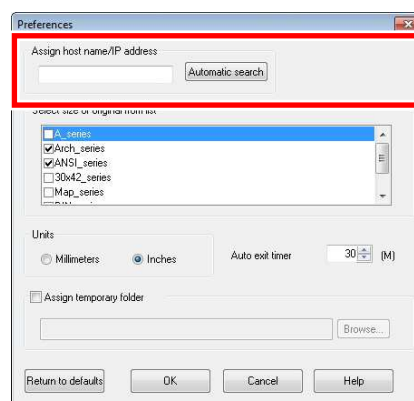


Hint

The preference settings must be configured the first time scanning with TerioStation.

Select the printer model to perform scanning, and then click **Automatic Search**.

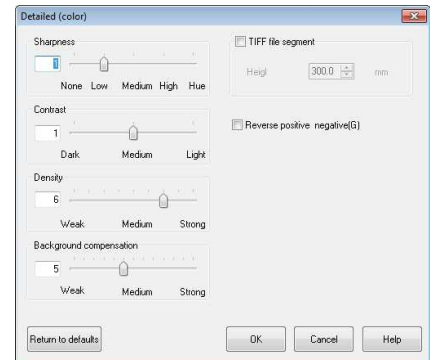
If its IP address is not detected automatically, enter it directly.





Hint

You can configure scanned images in detail. Change the settings if necessary.

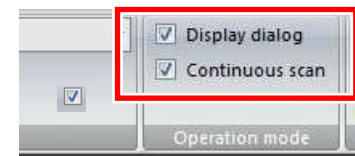


◆ Continuous scan

Two or more original documents can be scanned in succession.

If the **Continuous scan** check box is selected, scanning can be performed in succession with the same settings.

When all scanning is complete, click **Cancel** to exit.



4.6 Preset

The printer saves and calls the preset of scanner settings.



Hint

The following items can be preset.

- Saved folder;
- Format selection
- Naming rule;
- Color mode;
- Original type;
- Resolution;
- Paper size;
- Dialog presence;
- Continuous scan; and
- Scan driver settings

4.6.1 Add preset

The current scan settings are saved as preset by specifying a preset name and pressing **OK**.



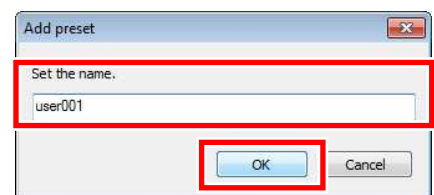
Hint

Up to 50 presets can be configured.



Hint

Scan Driver settings are also saved to the preset. After configuring whether to display the Scan Driver dialog box, click the **Close** button to close the dialog box, and then add the preset.

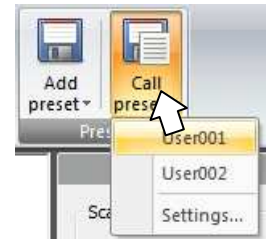


4.6.2 Call preset

The printer calls a preset from the saved ones.

To call a preset, select an item in the menu.

The called preset affects the both **Scan** parameters and **Scan Driver** settings of **Scan & Copy**.

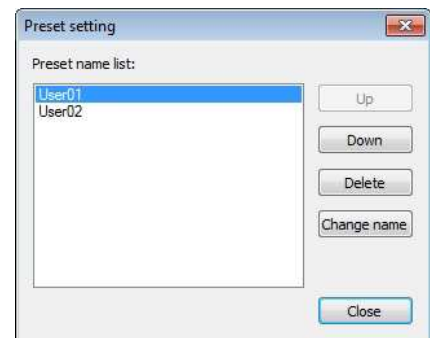


Hint

When **Settings** is clicked, the **Preset settings** window appears.

You can perform the following actions at the **Preset settings** window.

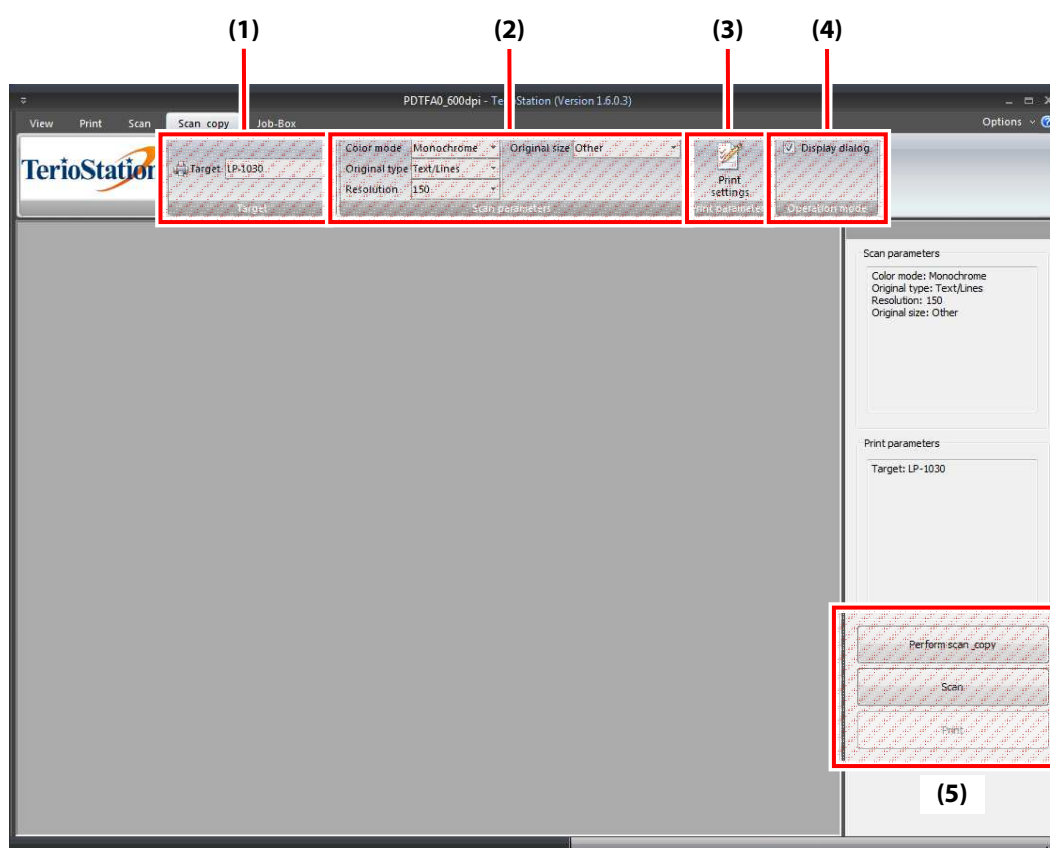
- Sort presets
- Change names
- Delete



Chapter 5 Scan & Copy

You can preview and confirm scanned data before printing.

5.1 Scan & Copy window layout



No.	Group	Operation	Explanation	Reference page
(1)	Destination		Select the destination printer.	p. 55
(2)	Scan parameters	Color mode	Select the color mode of the original document to be scanned.	p. 55
		Original type	Select the type of the original document to be scanned.	p. 55
		Resolution	Select the resolution for scanning.	p. 56
		Original size	Select the size of the paper to be scanned.	p. 56
(3)	Print parameters	Print settings	Configure the print parameters.	p. 57
(4)	Operation mode		Select the operation mode for scanning and copying.	p. 57
(5)		Perform scan copy	Scan and copy.	
		Scan	Perform a scan.	
		Print	Print.	

5.2 Scan & Copy's menu



5.2.1 Destination

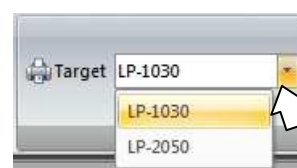
◆ Printer selection

You can select a destination printer.



Hint

Data is printed with a printer specified in options.
Refer to **Option** settings for details.



5.2.2 Scan parameters

◆ Color mode

Select the color mode of the original document to be scanned.

You can select from the following three patterns.

- (1) Monochrome (1bit)
- (2) Grayscale (8bit)
- (3) Color (24bit)



◆ Document type

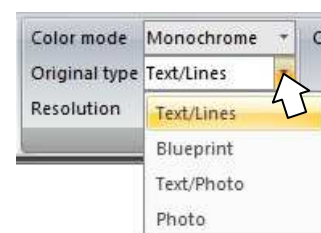
Select the scanned original document's type.

The patterns that can be selected depend on the **Color** mode.

Monochrome mode

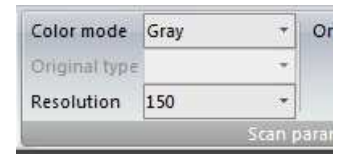
You can select from the following four patterns.

- (1) Text & lines
- (2) Blueprint
- (3) Text & photos
- (4) Photographic paper



Greyscale mode

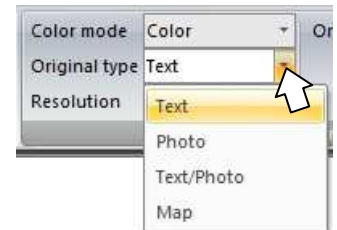
Cannot be selected.



Color mode

You can select from the following four patterns.

- (1) Text
- (2) Photographic paper
- (3) Text & photos
- (4) Map

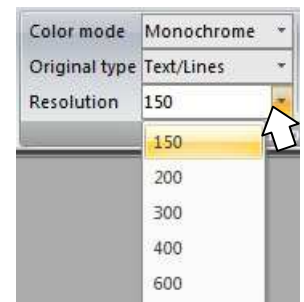


Resolution

Select the scanner's resolution.

You can select from the following five patterns.

- (1) 150dpi
- (2) 200dpi
- (3) 300dpi
- (4) 400dpi
- (5) 600dpi



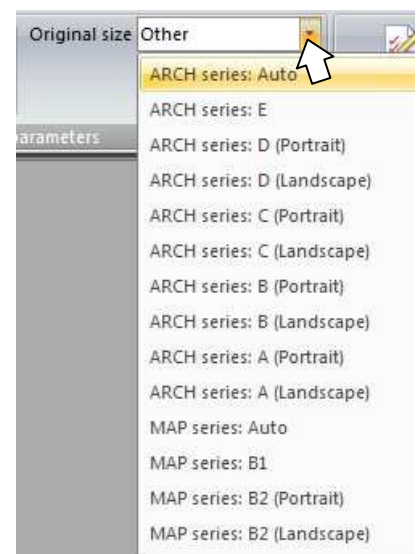
Original size

Select the size of the paper to be scanned.



Hint

You can select from the size standards that are specified in the print settings in the options. For the procedure to configure options, see **7.1.2 Select series**.



5.2.3 Print parameters

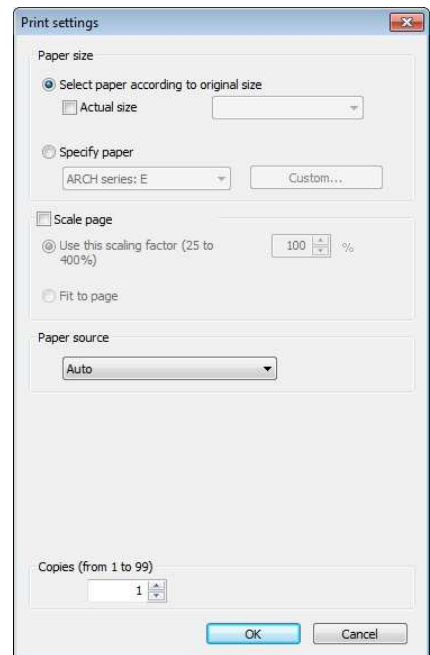
◆ Print settings

Specify the print parameters.



Hint

When printing in XPT/LPR mode, you can configure the paper size, scaling, paper source, and number of copies. When printing with a printer driver, you can configure the paper size, scaling, and number of copies.



5.2.4 Operation settings

◆ Display dialog

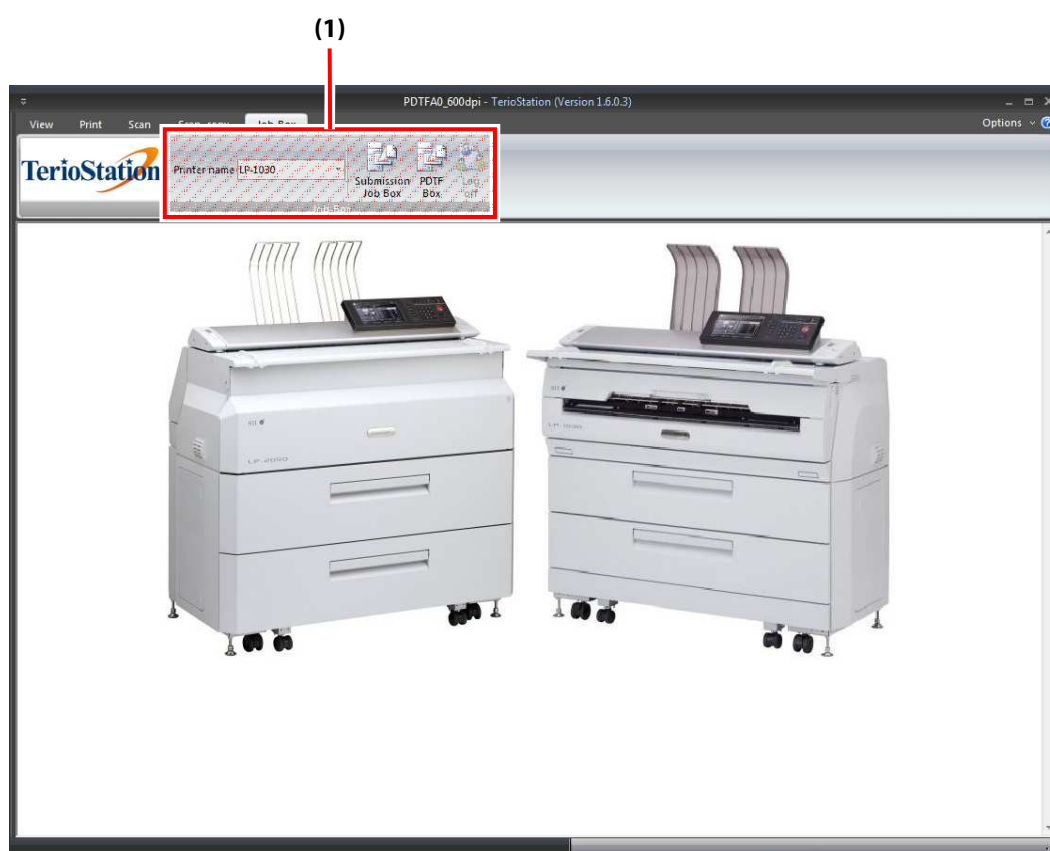
Configure whether to display the Scan Driver dialog box.



Chapter 6 Job Box

You can view thumbnails of and download image data stored in the Submission Job Box and PDtF Box of the printer.

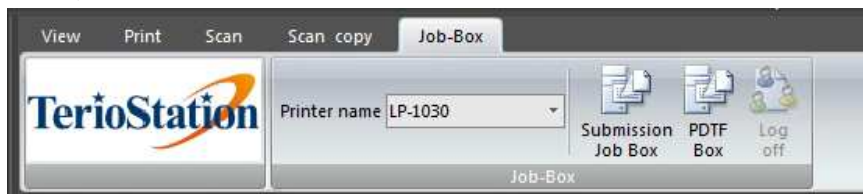
6.1 Job-Box window layout



No.	Group	Operation	Explanation	Reference page
(1)	Job Box	Printer name	Select a printer.	p. 59
		Submission Job Box	Display the Submission Job Box.	p. 59, 60
		PDtF Box	Display the PDtF Box.	p. 59, 63
		Log off	Log off from an authorized login state.	p. 59

6.2 Job Box menu

If authorization is set at the printer, you must enter a login name (username) and password to display the Submission Job Box and PDtF Box.



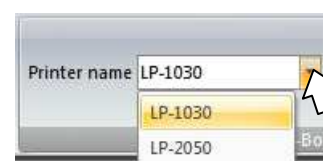
6.2.1 Printer name

Switch the specified printer.



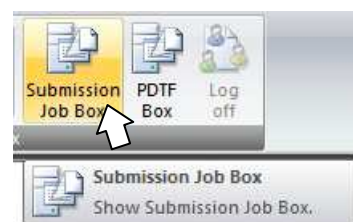
Hint

Configure the IP address and add and edit printers using the options settings (See 7.4.2).



6.2.2 Submission Job Box

Display the Submission Job Box of the printer.



6.2.3 PDtF Box

Display the PDtF Box of the printer.



6.2.4 Log off

Log off from an authorized login state.



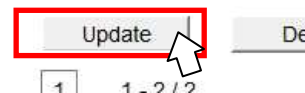
6.3 Submission Job Box operations

You can browse image data stored in the Submission Job Box of the printer, before downloading or deleting the data.



(1) Update

Display the most recent state of the Submission Job Box in the printer.



(2) Delete Selected Jobs

Select the check boxes of the data you want to delete, and then click **Delete Selected Jobs** to delete them.



Hint

You can delete selected data as a batch by selecting multiple check boxes.

(3) Select All Jobs

You can select the check boxes of all displayed data by clicking **Select All Jobs**.

To clear all selections, click the **Update** button.



(4) Download Selected Jobs

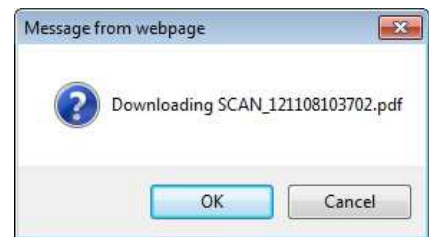
You can download selected jobs.

Hint

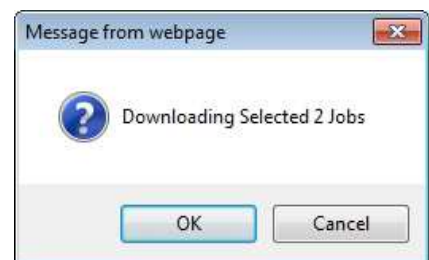
You can download selected jobs as a batch by selecting multiple check boxes.



When one data item is selected



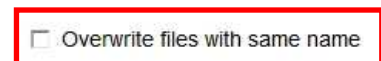
When multiple data items are selected



(5) Overwrite files with same name

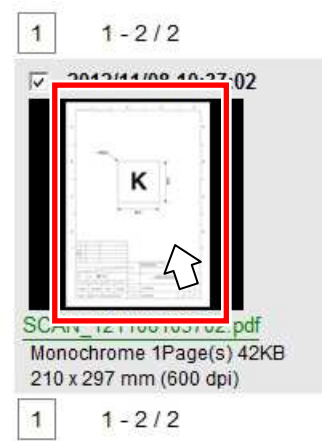
Specify whether to overwrite a file with the same file name in the download destination.

Select the check box to overwrite.



(6) Display details

To display the details of data, click its thumbnail image.

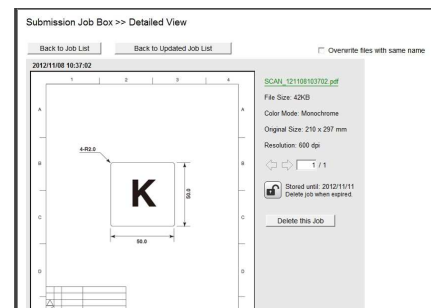


At the detailed display screen, you can view specified pages of multi-page images, and download, delete, and lock data.

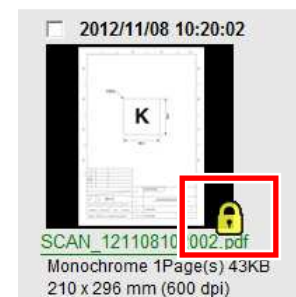


Hint

The retention period for data in the Submission Job Box is determined by the printer settings. You can lock a job so that it is not deleted automatically after the retention period has expired.



If a job is locked, a lock icon is displayed on the thumbnail as shown in the image to the right.



6.4 PDtF Box operations

You can browse image data stored in the PDtF Box of a printer, before downloading or deleting the data.



(1) Update

Display the most recent state of the PDtF Box in the printer.



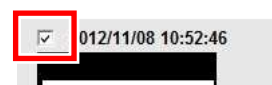
(2) Delete Selected Jobs

Select the check boxes of the data you want to delete, and then click **Delete Selected Jobs** to delete them.



Hint

You can delete selected data as a batch by selecting multiple check boxes.



(3) Select All Jobs

You can select the check boxes of all displayed data by clicking **Select All Jobs**.

To clear all selections, click the **Update** button.



(4) Download Selected Jobs

You can download selected jobs.

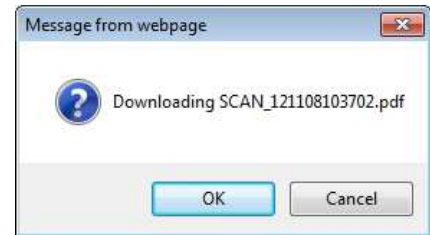


Hint

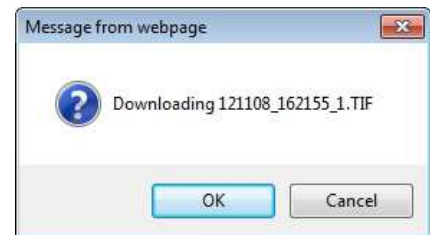
You can download selected jobs as a batch by selecting multiple check boxes.



When one data item is selected

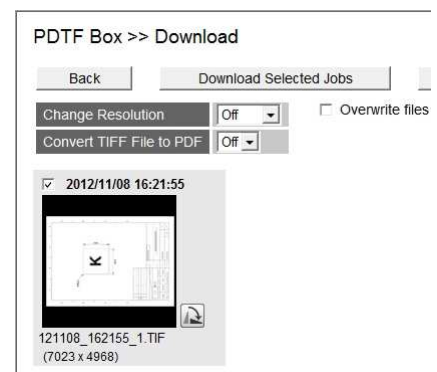


When multiple data items are selected



(5) Download

You can download selected jobs.



Rotate button

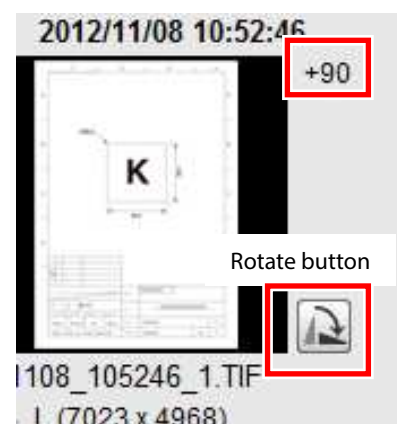
You can rotate an image by clicking the thumbnail image or Rotate button.

The current rotation angle is displayed in the upper right area near the thumbnail.



Hint

The image is downloaded with the same direction that can be seen on the screen.



Change resolution

You can change the resolution of an image.



Convert TIFF File to PDF

You can convert to PDF when the file to be downloaded is a TIFF file.



Change Conversions Settings

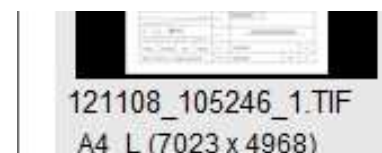
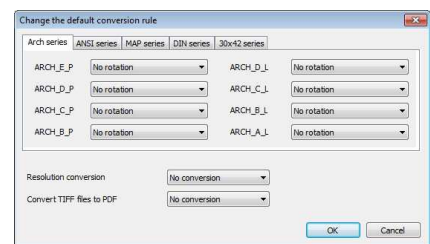
Configure image rotation, resolution changes, and PDF conversion settings.



Hint

Note that the image rotation can be specified for each paper size of each size standard. With this setting, the image rotates automatically when the download window is opened.

Before setting the image rotation, to know the paper size for which you need to specify the image rotation, check the paper type displayed at the bottom of the thumbnail.



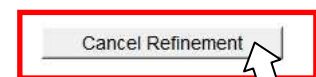
(5) Cancel Refinement

If data is displayed after a refined search and **Cancel Refinement** is clicked, the refined display is cleared, and all data is displayed.



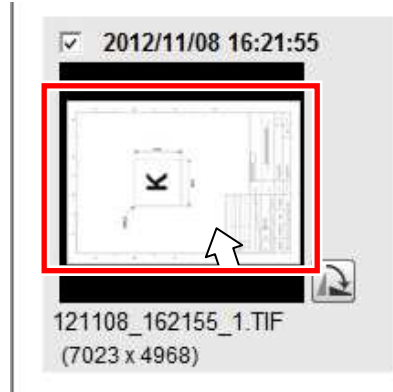
Hint

With the refined search function, you can display data from a particular user or data sent from a particular host only by clicking the username or host name of the thumbnail.

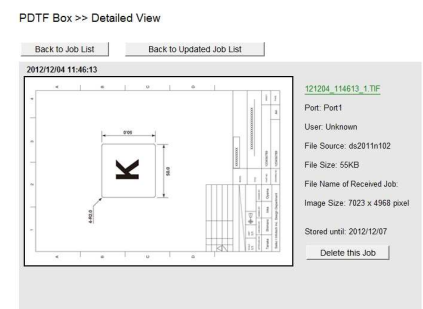


(6) Display details

Click a thumbnail image to display the details of the data.



You can download and delete data at the detailed display dialog box.



Chapter 7 Options

The option dialog box is displayed by selecting Option on the right side of the window.



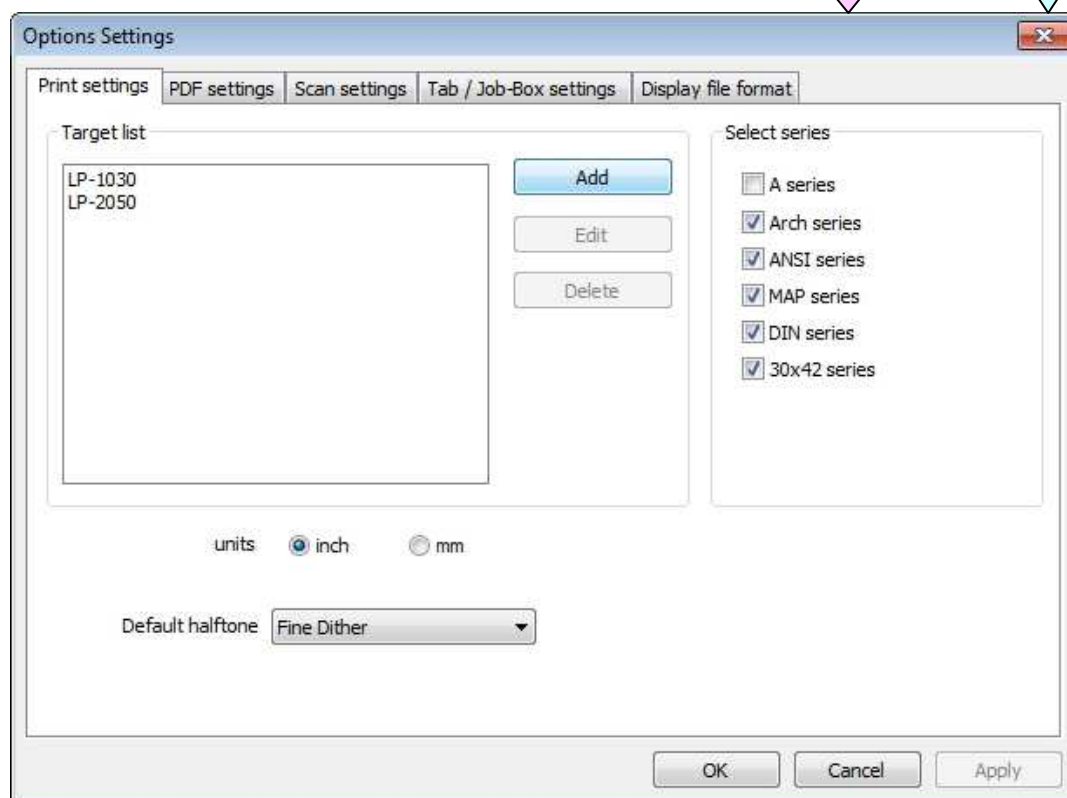
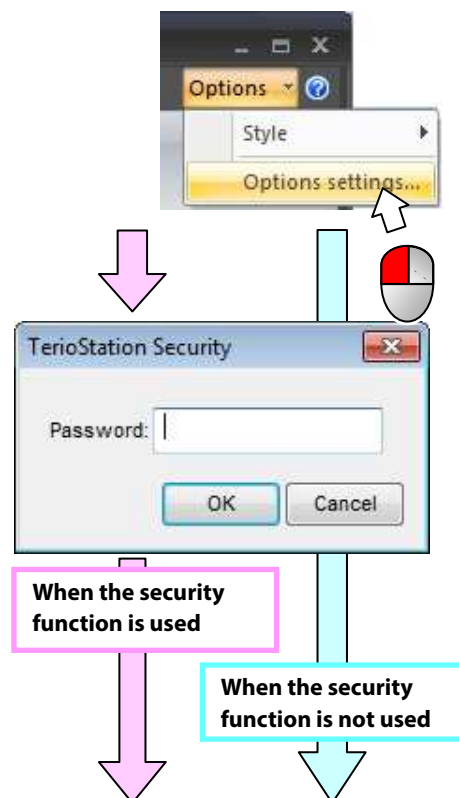
Hint

If the security function was configured when TerioStation was installed, authorization is required.



Note

If you forget the password, **Option Settings** cannot be configured.
Install TerioStation again, and then set a password.



You can select the following settings at their respective tabs in the Option Settings dialog box.

7.1 Print settings

7.1.1 Target list

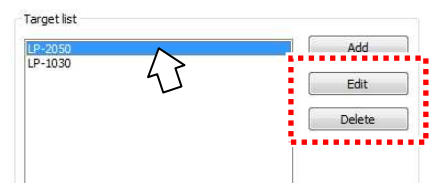
You can add, edit, and delete target printers.

To add a printer, click **Add**.



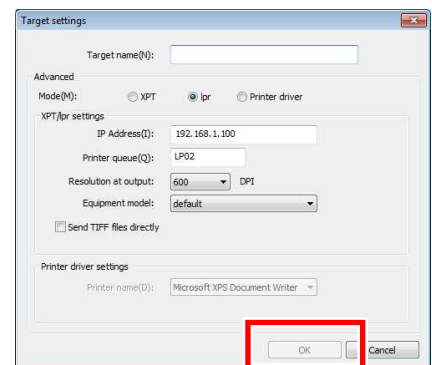
Hint

To edit or delete the information of added printer, select the printer, and then click **Edit** or **Delete**.



With **Add** or **Edit** clicked, the **Target settings** dialog box appears.

Enter the required information, and then click **OK**.



(1) **Target name (Can be configured when adding a printer only.)**

(2) **Mode**

- XPT
- lpr
- Printer driver

(3) **XPT/lpr settings (The followings are specified only when the Mode is set to XPT or lpr.)**

- IP Address
- Printer queue/Port number
- Resolution at output
- Equipment model
- Send TIFF files directly



Note

On the **Equipment model**, specify the destination printer's model name correctly.

- (4) **Printer driver settings (Printer driver setting is specified only when Mode is set to Printer driver.)**

7.1.2 Select series

Select the paper's size standard.

- A series
- Arch series
- ANSI series
- MAP series
- DIN series
- 30x42 series

Select series

<input type="checkbox"/>	A series
<input checked="" type="checkbox"/>	Arch series
<input type="checkbox"/>	ANSI series
<input type="checkbox"/>	MAP series
<input type="checkbox"/>	DIN series
<input type="checkbox"/>	30x42 series

7.1.3 Unit

Select the unit of the length.

- inch
- mm

units ☒ inch ☐ mm

7.1.4 Default halftone

Specify the default dither pattern for binarization of the original. You can select from the following four patterns.

(1) Pattern Dither

The pattern is recommended for illustration as its gradations are well-modulated.



(2) Fine Dither

The pattern is recommended for CAD drawings, photographs, and maps.



(3) Uniform Dither

The pattern is recommended for the drawing with large solid painting or CG image.

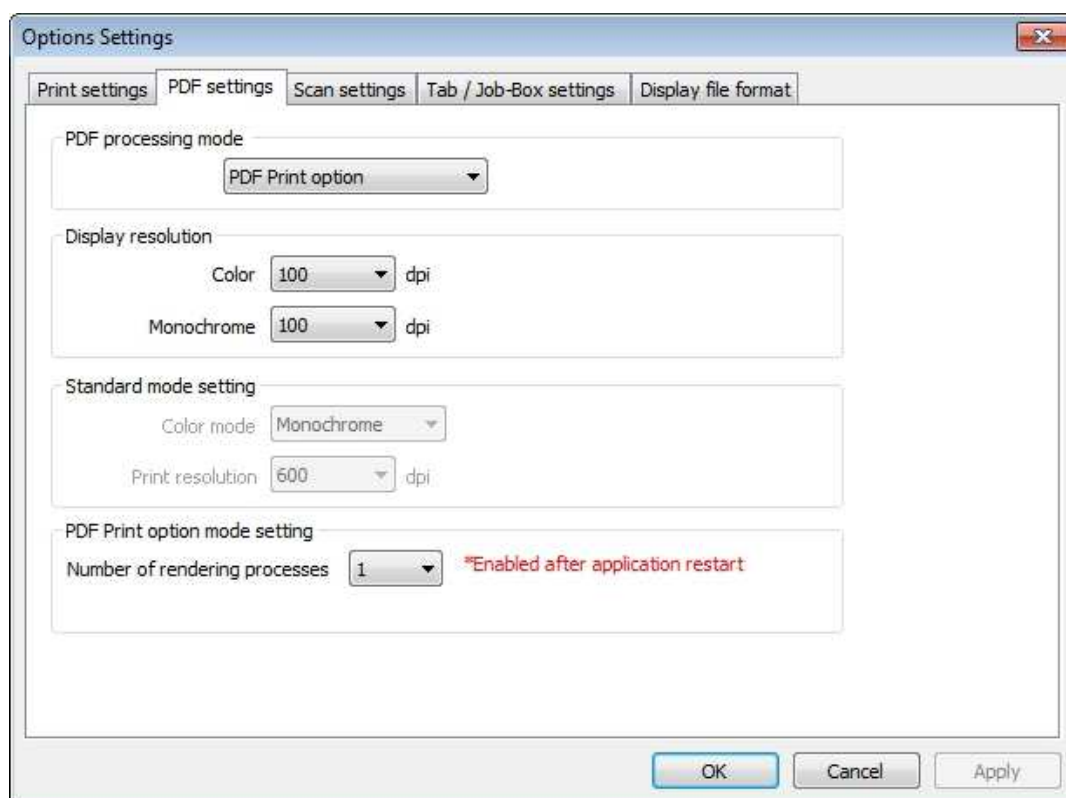


(4) High Uniform Dither

Grayscale image is more stable than at Uniform Dither.



7.2 PDF settings

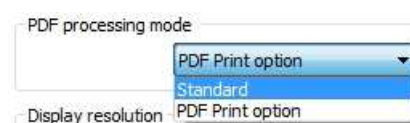


7.2.1 PDF processing mode

Select the RIP core to process PDF.

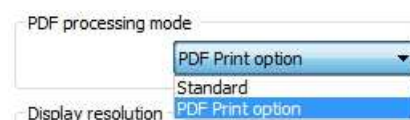
(1) Standard

The standard PDF core (ABCpdf) is selected.



(2) PDF Print option

The optional PDF core (Harlequin Host Renderer) is selected.

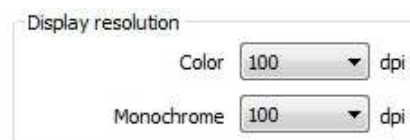


7.2.2 Display resolution

(1) Color

Configure the display resolution for **Color** mode.

- 100 dpi
- 150 dpi
- 200 dpi
- 300 dpi
- 400 dpi
- 600 dpi

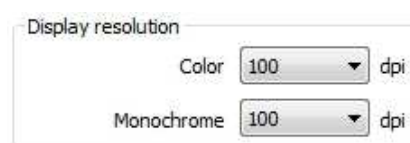


(2) Monochrome

Configure the display resolution for

Monochrome mode.

- 100 dpi
- 150 dpi
- 200 dpi
- 300 dpi
- 400 dpi
- 600 dpi



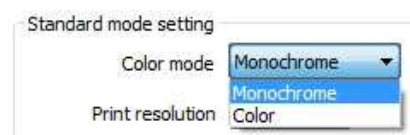
7.2.3 Standard mode setting

Only when PDF processing mode is set to Standard, the following print settings are available.

(1) Color mode

Configure the color mode for PDF printing.

- Monochrome
- Color (RGB 24-bit full color)



Note

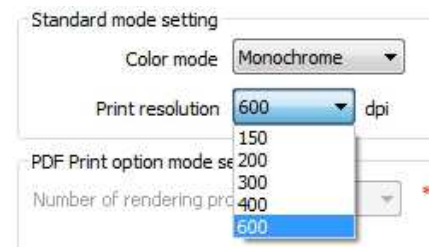
When **Monochrome** is selected, the halftone settings can no longer be configured in the **Print settings** on the **Print** tab.

If you want to configure the halftone settings, select **Color**.

(2) Print resolution

Configure the print resolution for PDF printing.

- 100 dpi
- 150 dpi
- 200 dpi
- 300 dpi
- 400 dpi
- 600 dpi



Hint

The default settings are as follows.

- Monochrome 600 dpi
- Color 300 dpi

7.2.4 PDF Print option mode setting

(1) Number of rendering process

Configure the number of rendering processes.

Select from 1 through 4.



Hint

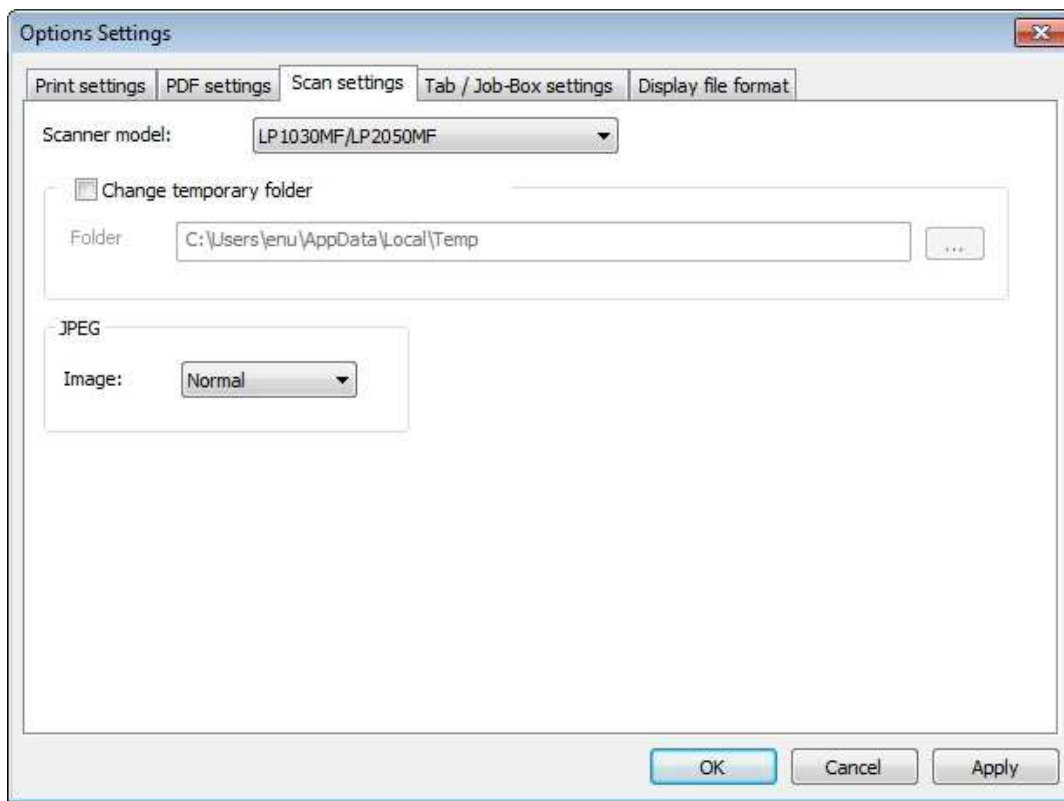
With the PDF Print option, rendering can be performed using multiple CPU cores. For faster rendering, select the number of rendering process compatible with the computer to be used.



Note

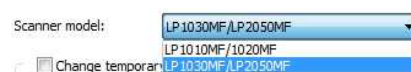
After changing the setting of **Number of rendering process**, restart TerioStation.

7.3 Scan settings



7.3.1 Scanner model

Select the scanner model.



7.3.2 Change temporary folder

Select the temporary folder to be used for primary saving.

To change the temporary folder, select the **Change temporary folder** check box, click the **Browse** button (...), and then change the folder.

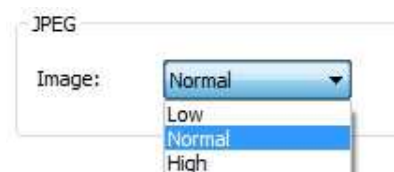


Browse
button

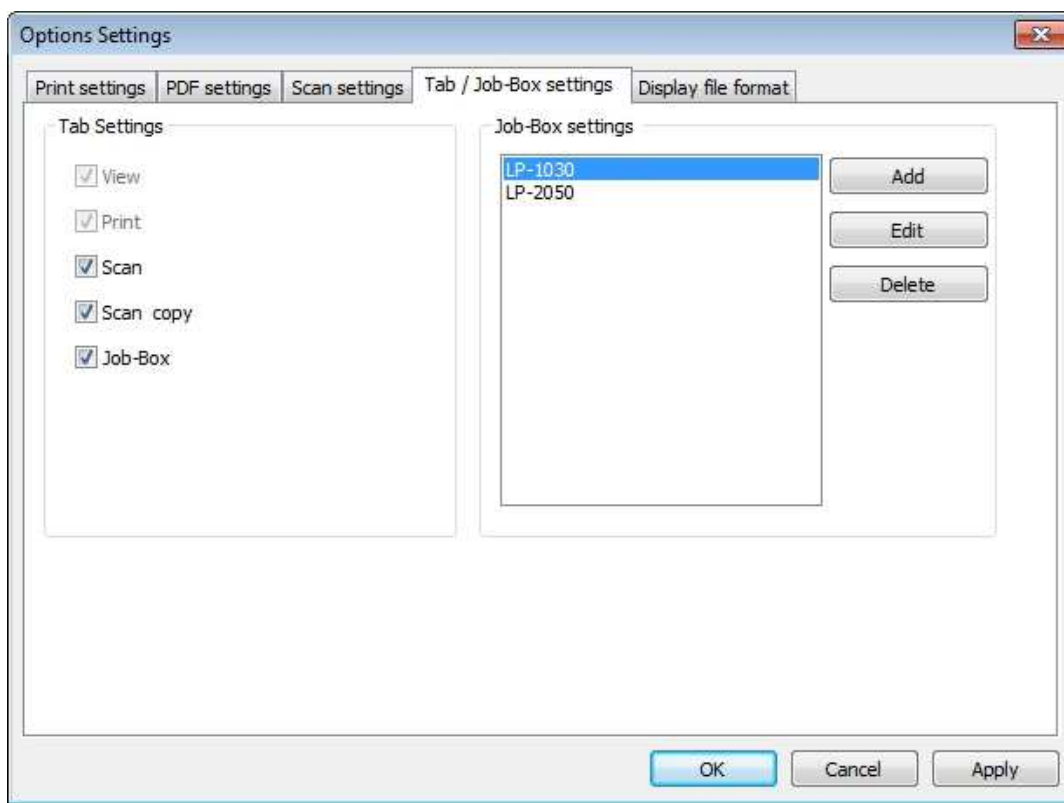
7.3.3 JPEG

You can select the image quality for JPEG format.

- Low
- Normal
- High



7.4 Tab/Job box settings



7.4.1 Tab Settings

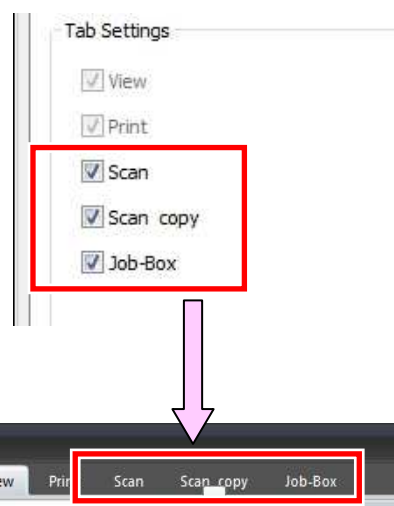
Select the tabs to be displayed on the quick access toolbar.

Items with check box selected are displayed on the tab.



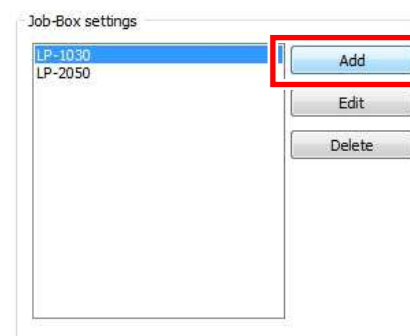
Hint

The default settings of **View** and **Print** cannot be changed.

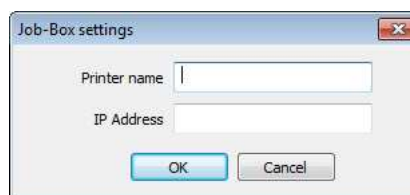


7.4.2 Submission Job Box settings

Add a printer with a Submission Job Box or PDtF Box you want to view.



When **Add** is clicked, the **Job-Box settings** dialog box appears. Enter the name and IP address of your intended printer.



To change the IP address of a printer, click **Edit**, and to delete the printer from the list, click **Delete**.

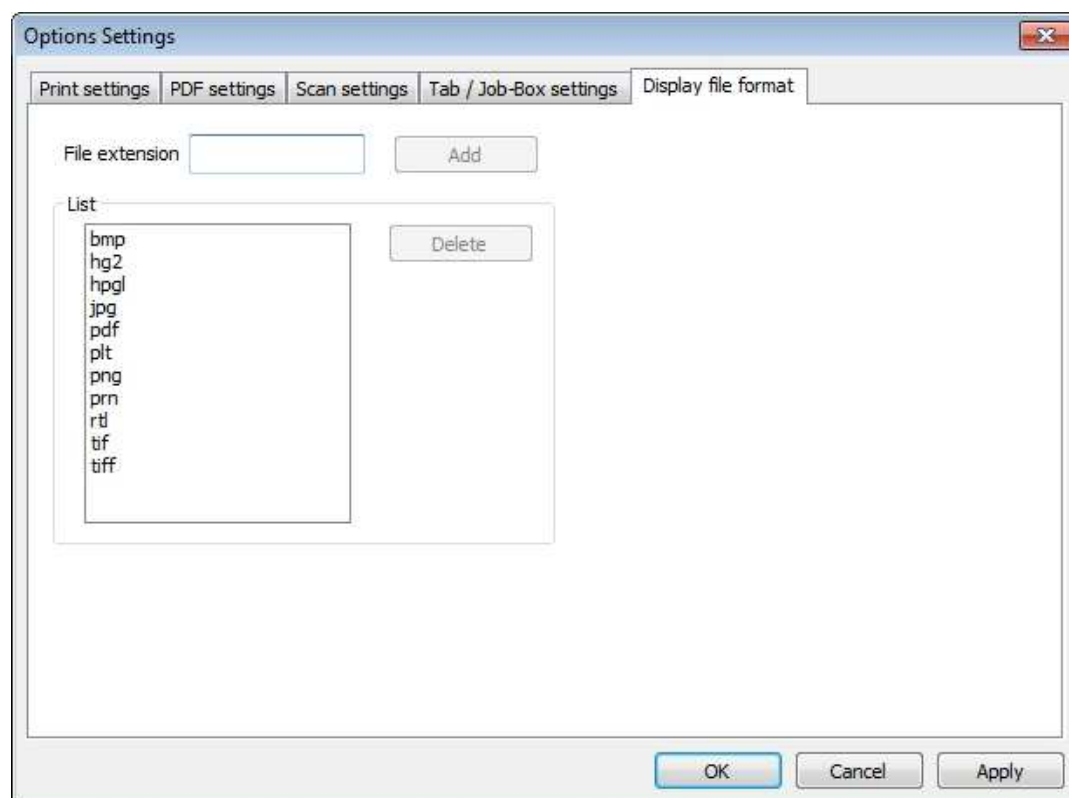
7.5 Display file format

The format of the displayed files can be specified from the **List**.



Hint

The HP-GL format has multiple extensions. To use an extension not displayed in the list, add it to the list.

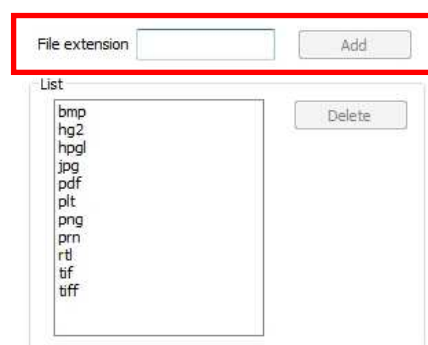


If a file format you want to display is not in the list, add the extension.



Note

Some extensions are added to the **List**, but not supported for displaying their files.



Chapter 8 TerioStation PDF Print

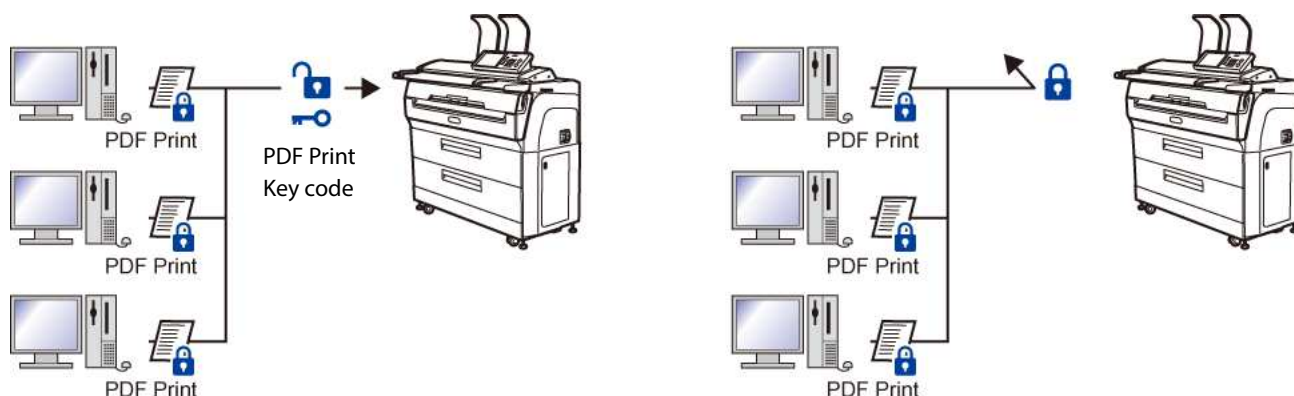
8.1 Features

TerioStation PDF Print function is an option to process PDF files at high speed, which employs Harlequin Host Renderer of Global Graphics Software Ltd for RIP core.

Activate the PDF Print function by entering a license key in the printer.

8.2 Operation form

Though the PDF Print option can be installed on two or more Windows computers, the printer emits printouts for the option only when a license key has been registered in the printer.



8.3 Supported PDF files

TerioStation PDF Print function (version 1.00) supports the following PDF files.

- PDF (including ISO 32000-1);
- PDF/X-1a:2001 & 2003;
- PDF/X-3:2002 & 2003;
- PDF/X-4 & 4p 2008 & 2010; and
- PDF/5g & 5pg 2008 & 2010

8.4 Fonts

If characters are displayed as ■ ■ ■ ■ ■ on the view or printouts, fonts are not embedded in this PDF. To resolve this problem, either embed all fonts when creating the PDF or outline the text. An alternate solution may be printing from **Adobe Reader**. The defective characters may be printed with an alternate font.

Chapter 9 Troubleshooting

Read this section before contacting our support department.

Q. An imported image data file (TIFF) cannot be printed.

Cause

If TIFF files are imported via OKI Data Infotech multifunctional printers' scan driver, they may not be printed directly due to print restrictions of the printer.

Solution

Scan and print again using the TIFF print function of the Scan & copy. Alternatively, before printing, reduce the resolution of the imported TIFF file.

Q. Saving the data takes time.

Cause

This may be due to your operation environment related to computer.

Solution

Use TerioStation and the IP-3020/LP-1010MF/LP-1020MF/LP-2050MF on the same LAN connection.

Also, check your Windows computer environment such as memory, HD space, and work folder.

Q. The image of the imaging software included with the operating system is displayed with black and white reversed.

Cause

Operation of the OKI Data Infotech scan driver has been confirmed with the Scan and Scan & copy functions of TerioStation.

We cannot guarantee operation with applications for scanning and file creation other than the Scan and Scan & copy functions of TerioStation.

Solution

If this phenomenon occurs, open the file by the View function and reverse the colors with Image correction.

Q. If imported data is opened using the Windows Picture and Fax Viewer in Windows XP, it cannot be printed.

Cause

This is a problem with the Windows Picture and Fax Viewer. When the file is opened, the data compression format is changed.

Solution

Do not use the Windows Picture and Fax Viewer.

Q. The noise removal process takes a long time.

Cause

The noise removal process depends on the capabilities of the computer running TerioStation.

Solution

Check and adjust your computer environment.

Q. Data cannot be saved.

Cause

Prohibited character strings have been used with TerioStation or in file names.
Or, the name of the folder to be saved exceeds 255 characters.

Solution

The following character strings cannot be used with TerioStation.
Besides, some more characters cannot be used with TerioStation. So we recommend alphanumeric characters for file names.
In addition, check the name of the specified folders and files do not exceed 255 characters.

Prohibited characters

; ¥ / : * ® © etc.

Q. Paper source setting cannot be operated in Print Settings of Print functions.

Cause

At the settings after selecting **Option** -> **Print Settings** -> **Destination Setting**:

- (a) Printer model may not be changed from the default value; or
- (b) Print output mode may be set to the printer driver.

Solution

- (a) Please set the printer model properly.
- (b) If the print output mode is set to print driver, specify the proper print output mode with the driver's paper supply function.

Chapter 10 Cautions

10.1 Printing scanned image data (TIFF) files

If monochrome TIFF files are imported via the scan driver of the LP-1010MF, LP-1020MF, LP-2050MF, or LP-1030MF, they may not be directly printed with the OKI Data Infotech printers below.

- (1) LS-1300
- (2) LS-3300
- (3) LP-2150 and LP-2160
- (4) LP-2020MK2 and LP-2020EX

10.2 Usage of commercially available software

Operation of the OKI Data Infotech scan driver has been confirmed with the Scan and Scan & copy functions.

We cannot guarantee the operation when scanning with other applications.

Furthermore, imported image data (TIFF format) may not be correctly displayed in some applications.

The image of the imaging software included with the Windows is displayed with black and white reversed.

In such a case, enable the invert negative and positive setting in the **Detailed** settings before scanning.

10.3 Monochrome TIFF files

Do not open imported image data with the Windows Picture and Fax Viewer in Windows XP.

The data compression format is changed and the data can no longer be used with the software you are using.

10.4 Noise removal processing

Noise removal processing depends on the capabilities of the computer running TerioStation.

During the noise removal process, **Processing...** is displayed on the screen.

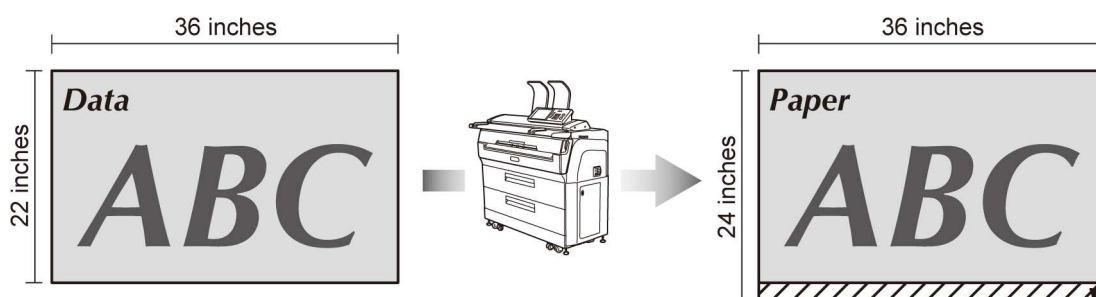
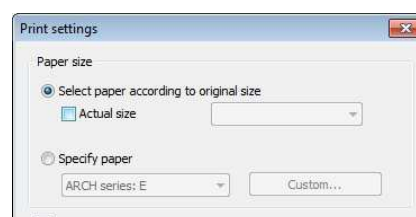
Noise removal and cleanup processing also have data size restrictions.

Chapter 11 Examples of Active Size Settings on TerioStation

11.1 Print a 36x22-inch PDF file with a standard size

Select the regular paper size most suitable for the original size.

Use this setting when you want to print at a regular size.



Because the file is printed at the regular paper size closest to the original size, the file is printed with added white space.



Note

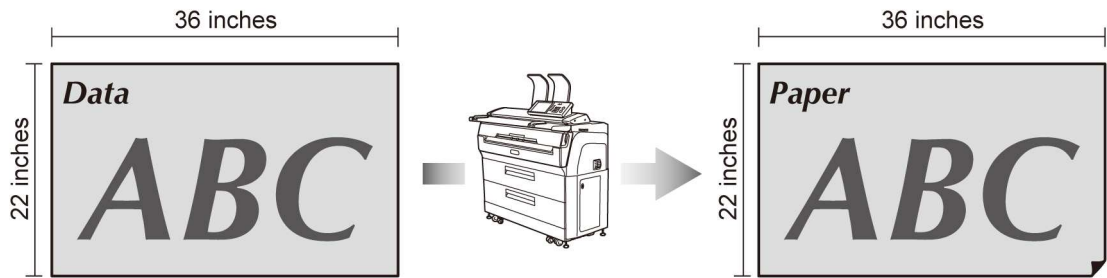
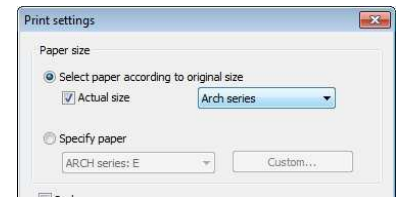
This function is available with the following prerequisites.

- The output destination of TerioStation uses XPT/LPR printing (not supported when printing via a printer driver).
- The printer model is specified at print destination settings.
- TIFF direct printing is not selected.
- The print data file format is PDF, TIFF, or JPEG (HPGL does not support the print settings above).

11.2 Print a 36x22-inch PDF file with an actual size

The output is printed to the actual size of the selected size standard.

Use this setting when you want to reduce white space.



The file is printed at its original size without any white space added.



Note

This function is available with the following prerequisites.

- The output destination of TerioStation uses XPT/LPR printing (not supported when printing via a printer driver).
- The printer model is specified at print destination settings.
- TIFF direct printing is not selected.
- The print data file format is PDF, TIFF, or JPEG (HPGL does not support the print settings above).

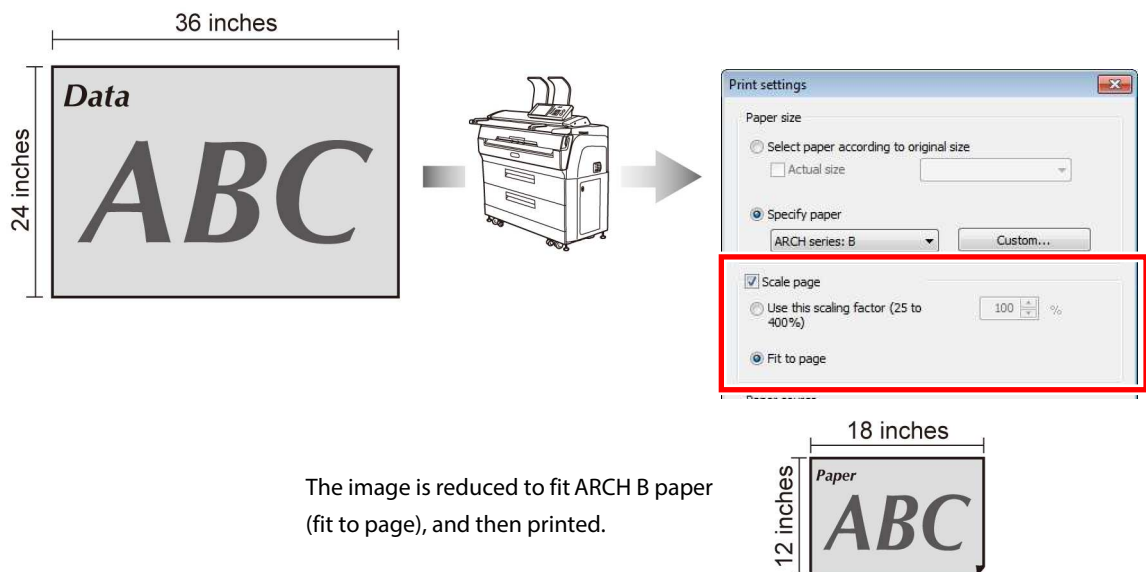
11.3 Print an ARCH D size PDF file on ARCH B size paper

When expanding or reducing paper, you can print using one of the following patterns depending on the image expanded or reduced.

(1) Specify paper, and then fit the image to the specified paper.

Select **Specify paper**, and then select the paper size.

Next, select the **Scale page** check box, and select **Fit to page**.

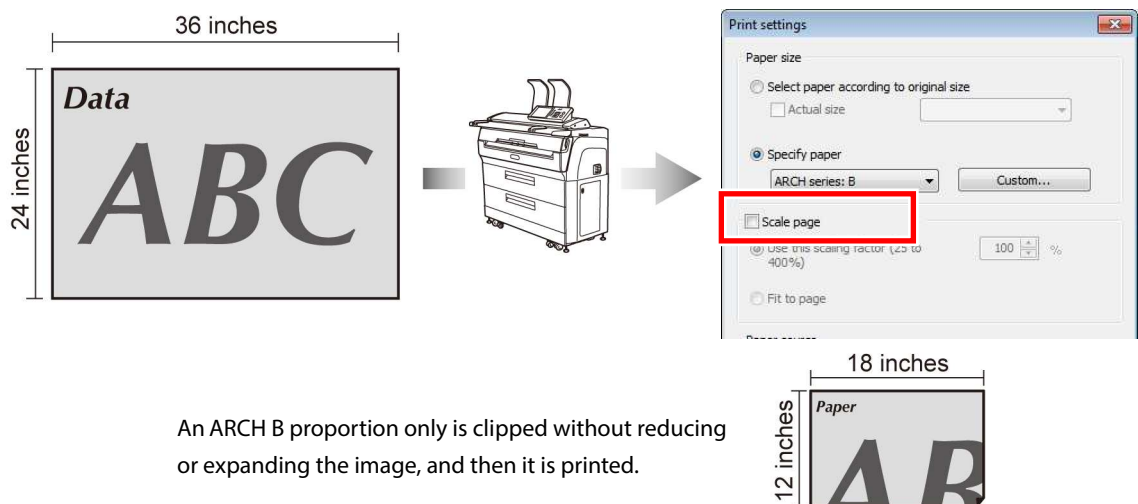


The image is reduced to fit ARCH B paper (fit to page), and then printed.

(2) Specify paper without expanding or reducing the image.

Select **Specify paper**, and then select the paper size.

Print without selecting the **Scale page** check box.

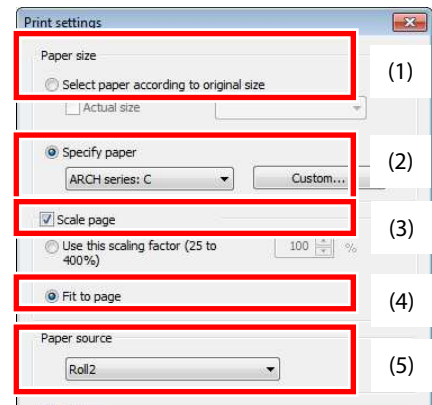


An ARCH B proportion only is clipped without reducing or expanding the image, and then it is printed.

11.4 Print on 18-inch roll paper at Roll 2 with fitting to ARCH series standard size

Setting procedure

- (1) Select a radio button of **Specify paper**.
- (2) On the field below **Specify paper**, select **ARCH series B** or **ARCH series C** as a width of the roll paper for printing.
- (3) Check the box for **Do scaling**.
- (4) Select a radio button of **Fit to the page**.
- (5) As paper source select **Roll2**.



Note

This function is available with the following prerequisites.

- The output destination of TerioStation uses XPT/LPR printing (not supported when printing via a printer driver).
- The printer model is specified at print destination settings.
- TIFF direct printing is not selected.
- The print data file format is PDF, TIFF, or JPEG (HPGL does not support the print settings above).

