SCREEN

No.100356018V01

For Operators

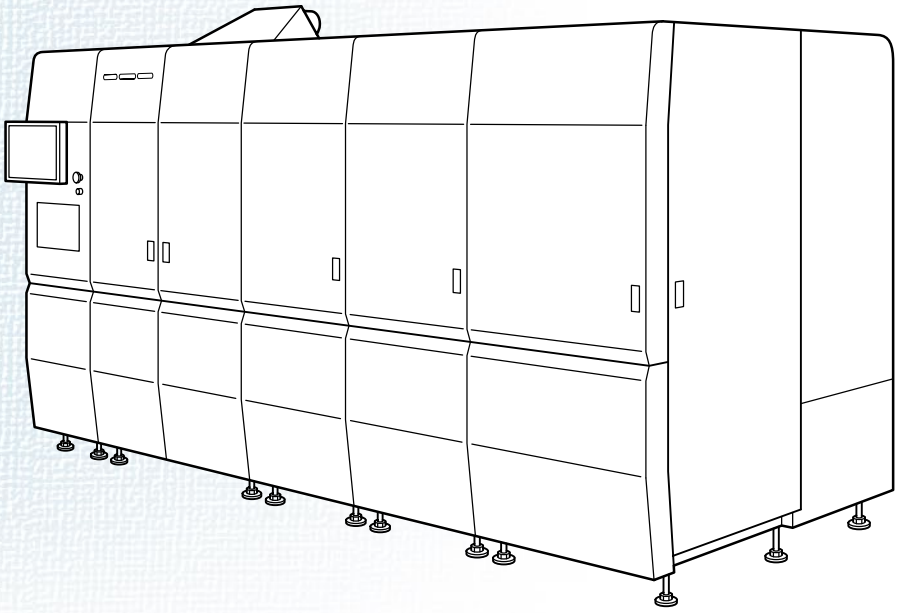
OPERATION SCREEN MANUAL

(Original instructions)

Full Color Inkjet Variable Printing System

Truepress Jet520HD

TP-J520HD Series



Before attempting to operate this product, you should thoroughly read and fully understand the contents of this manual.

The administrators of the Truepress Jet520HD should not let anyone who does not understand the contents of this manual operate or inspect the Truepress Jet520HD.

To Prevent Danger

To prevent accidents from occurring, follow the procedures and cautions indicated in this manual.
Safety information for the prevention of danger is given on pages 2 and 3, and in Chapter 1“Ensuring safety”, of the USERS MANUAL. From Chapter 2 of the USERS MANUAL on, safety information is provided for any work or operation which is potentially dangerous.

A request to the administrators of the Truepress Jet520HD

Be sure to deliver this manual by hand to the operators and maintenance personnel for the Truepress Jet520HD.

Operation of the Truepress Jet520HD

All operators and maintenance personnel for the Truepress Jet520HD must read and understand all the contents of this manual before operating the machine or performing maintenance work on it.

Use and storage of this manual

After reading this manual, keep it nearby the Truepress Jet520HD for immediate reference whenever necessary. As a safeguard in case the manual is lost, write down or make a copy of the Screen sales offices and agencies listed at the end of this manual.

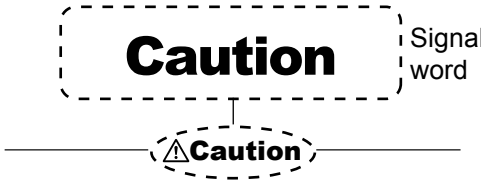
⚠Warning

- **Do not turn on the power of the Truepress Jet520HD until you fully understand all of the safety warnings.**
- **Do not perform any operations not listed in this manual. If instructions in this manual are not followed, a serious accident or disaster may result.**

Safety information in the USERS MANUAL

In the text of this manual, we draw your attention to and supply safety information about matters accompanying operations of the Truepress Jet520HD which are potentially dangerous to you or the people around you. Be sure to read this information well and act in accordance with it. As described below, the signal words that accompany this safety information differ according to the level of danger.

This signal word is used for situations where death or serious injury to the user may result if the warning is ignored and the instrument is used improperly.



This signal word indicates a potentially hazardous situation which, if not avoided or properly handled, could possibly result in minor or moderate injury.

Warning labels

Warning labels have been attached to parts of the Truepress Jet520HD which are of potential danger to operators and maintenance personnel, or which may cause damage. The warning labels are divided into two types depending on the level of danger: “WARNING” and “CAUTION.” As explained below, each type is displayed using a different signal word. Make sure you understand the contents of the labels well and act in accordance with them.
Operating the Truepress Jet520HD while ignoring these labels may result in an accident.

signal word

Warning

WARNING indicates potentially hazardous situations which, if not avoided, could result in death or serious injury.

Caution

CAUTION indicates a potentially hazardous situation which, if not avoided or properly handled, could possibly result in minor or moderate injury.

signal word

Compliance with CISPR22 Rules

This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.
This product must not be used in residential areas.

Compliance with FCC Rules

Notice for the USA
This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at their own expense.

Changes or modifications not expressly approved by SCREEN Graphic Solutions Co., Ltd. could void the user's authority to operate the equipment.

Notice for Canada
This Class A digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Cet appareil numérique de la Classe A respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

Installation for industrial environments

This machine should be connected to a power network supplied from a high or medium voltage transformer dedicated to the supply of an installation feeding manufacturing or similar plant, and it is intended to operate in or in proximity to industrial location.

When exporting the Truepress Jet520HD

International transfer of this equipment, any of its parts, components and/or software must be carried out in compliance with the relevant laws and ordinances of the country of export and the country of equipment end-use. We do not assume any responsibility or liability for equipment transferred without regard to proper export/import regulations or procedures.

Liability

- Changes in the specifications may occur due to improvements in the product made without prior notice. Therefore, be aware that it is possible that a portion of this manual may not match exactly with your product.
- Screen takes absolutely no responsibility for results that occur if the product is used for purposes or applications other than the original ones intended for the Truepress Jet520HD or other than those expressed in a contract made beforehand.
- Screen accepts no responsibility for any damages that occur to the product, programs, or software due to situations that it has no control over such as remodeling, disassembly, misuse, or inadequate environment provided by or performed by the customer.
- Screen will bear absolutely no responsibility for any lost profits or damages resulting from the operation of this machine.
- All information appearing in this manual is provided only as a reference for operating the Truepress Jet520HD and, as such, contains no legal value and should in no way be used for any legal purpose.

Copyright

© 2016: SCREEN Graphic Solutions Co., Ltd.
The copyright for this entire manual belongs to SCREEN Graphic Solutions Co., Ltd. Copying, reprinting or reproduction of this manual in whole or in part in any media without our express consent infringes upon the copyright and the rights of the publisher.

Trademarks

- Windows is a registered trademark of Microsoft Corporation.
- libtiff: Copyright □C) 1988-1997 Sam Leffler, 1991-1997 Silicon Graphics, Inc.
- libpng: Copyright (C) 1998-2011 Glenn Randers-Pehrson, Copyright (C) 1996-1997 Andreas Dilger, Copyright (C) 1995-1996 Guy Eric Schalnat, Group 42, Inc.
- libjpeg: Copyright (C) 1994-1998 Thomas G. Lane; this software is based in part on the work of the Independent JPEG Group
- Xerces: Copyright (C) 1999-2012 The Apache Software Foundation
- Other company names and product names are trademarks or registered trademarks of the respective companies.

Introduction

Thank you for purchasing the Screen inkjet variable printing system, Truepress Jet520HD. The Truepress Jet520HD is an inkjet variable data printing press that uses a paper feed system for roll paper.
We are confident that the Truepress Jet520HD will provide you with many years of high quality recording performance.

About this manual

This manual is written for operators of the Truepress Jet520HD. It describes operation procedures and safety precautions. All operators of the Truepress Jet520HD should be well grounded in these precautions and make every attempt to use the Truepress Jet520HD safely. Although we have made every attempt to make this manual as clear and accurate as possible, if you notice any omissions, or any section that is unclear or erroneous, please contact Screen.

Expressions used in this manual

This manual uses the following marks:

Operation ..... This mark precedes sections where the procedure for a certain operation is described.

Note ..... This mark precedes useful information and additional notes that will help deepen your understanding of how to operate this printing system.

The structure of this manual

Chapter 1 **Before Using Truepress Jet520HD**
Describes important procedures that must be carried out before starting operations.

Chapter 2 **Main Screen and Common Functions**
Describes the main screen and common screens.

Chapter 3 **Job Operations**
Describes job settings and operations.

Chapter 4 **Job Processing**
Describes the on-screen displays that relate to printing.

Chapter 5 **System Settings Screen**
Describes the system settings.

Chapter 6 **JI Client**
Describes the JI Client screens, functions, and operations.

CONTENTS

Chapter 1

Before Using Truepress Jet520HD

1.1 Operation workflow

The following describes the actual operation workflow.

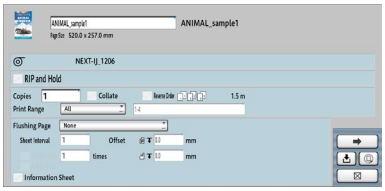
Inputting a job via EQUIOS

Input a job to the Truepress Jet520HD.

Selecting a job

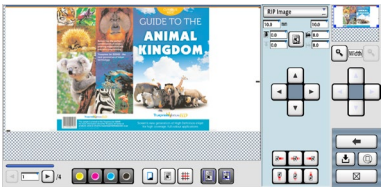
When you input a job to the Truepress Jet520HD, it is displayed on the main screen as job data.

Making job settings



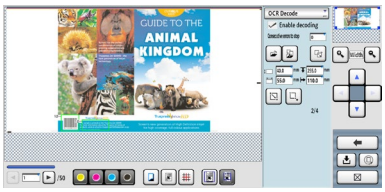
Make settings for the job (see “Chapter 3 Job Operations”).

Adjusting the layout



Check and adjust the layout for printing.

Making decode area settings



Note

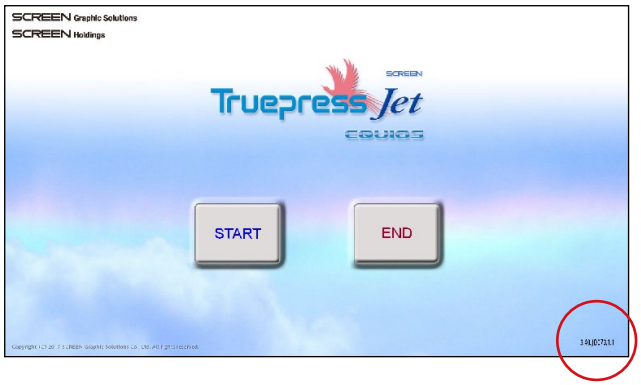
Make decode area settings when JetInspection OCR Barcode option is installed.

Starting the job (printing)

When you press  , printing starts (see “Chapter 4 Job Processing”).

1.2 Controller PC startup and shutdown

1.2.1 Startup



Operation

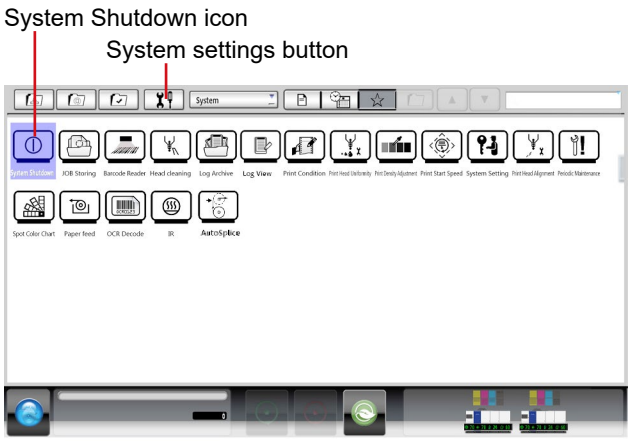
1) Turn ON the power to the printer and then turn ON the power to the controller PC. The initial screen is displayed.

Note

- The controller PC version information is displayed at the lower right of the initial screen.
- The capacity of the C drive's hard disk is checked during controller PC startup.
  If the disk capacity is insufficient, the following message appears. Display the Windows screen and delete any unnecessary files from the desktop and C drive.
  "Insufficient free disk space in C drive. Program may not run properly. Run computer maintenance".

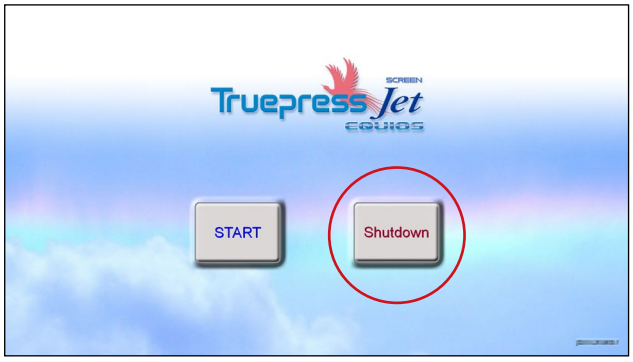
When you press the "START" button, the main screen is displayed.

1.2.2 Shutdown

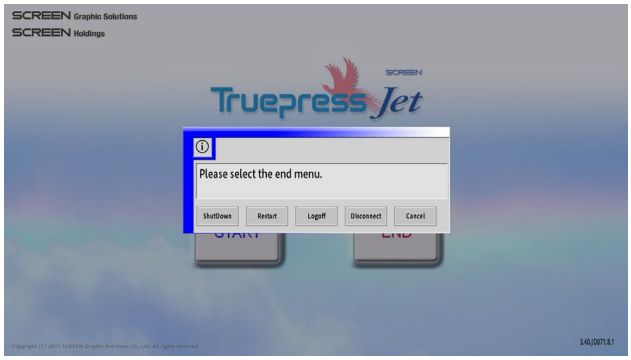


Operation

1) Press the system settings button.
2) Press the “System Shutdown” icon.



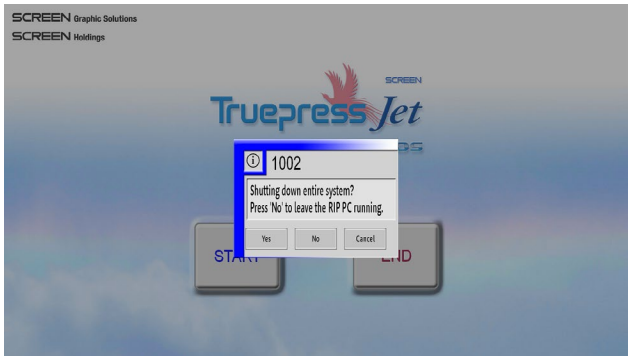
3) Press the “End” button.



4) Press the “Shutdown” button.

Note

- JI servers for TP-J520HD mono will also shutdown.
- Press “Restart” to restart controller PC.
- “Logoff” will only be displayed when in Expert mode. Press to logoff the controller PC.
- “Disconnect” will only be displayed with TP-J520HD mono. Press to disconnect remote desktop connection to controller PC.



5) When the system shutdown confirmation dialog box is displayed, press “Yes”.
All systems shut down and then the controller PC shuts down.

Note

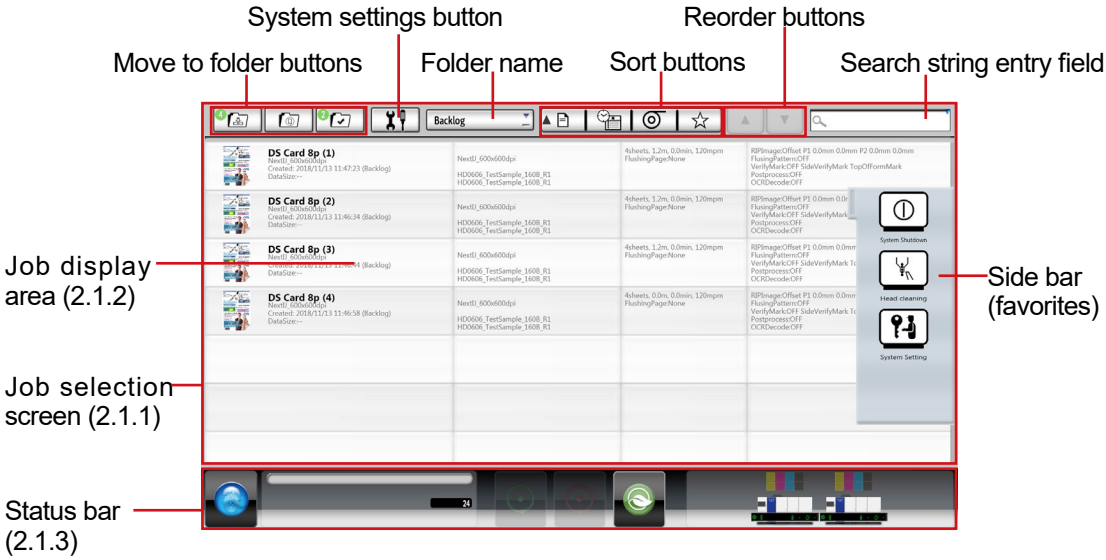
This dialog box is not displayed with TP-J520HD mono.

Chapter 2

Main Screen and Common Functions

2.1 Main screen

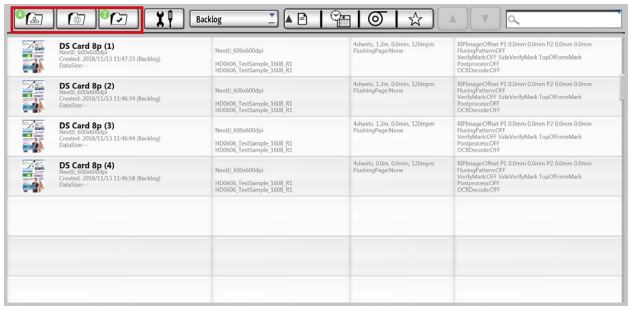
When you start up the controller PC, the main screen appears.



Note

If you press and hold down a job thumbnail image for 2 seconds or more, the job selection mode changes so that multiple jobs can be selected. You can select multiple jobs at the same time.
This mode is canceled when outside the job display area is touched.

2.1.1 Job selection screen



■Move to folder buttons

The folder for which the button is pressed is selected.

- **Backlog**

This folder shows the jobs that have been registered in EQUIOS.

- **Print queue**

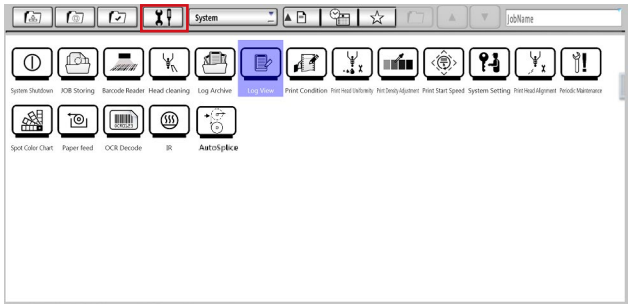
This folder shows the jobs that have been set and are waiting to be printed.

- **Processed**

This folder shows the jobs that have finished printing.

Note

Number of jobs in each folder is displayed on the buttons.

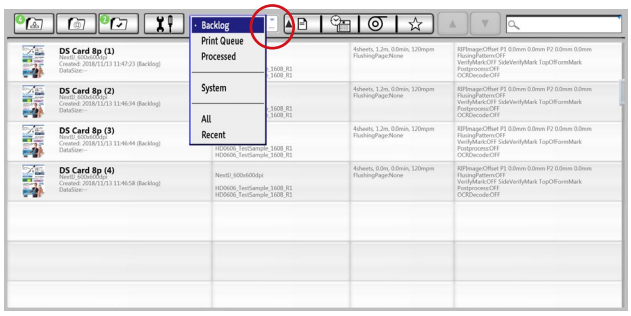


■System settings button

When you press the system settings button, buttons for various system setting functions are displayed in the job display area.

The system settings are used to perform operations such as head cleaning, paper feeding, and job storing.

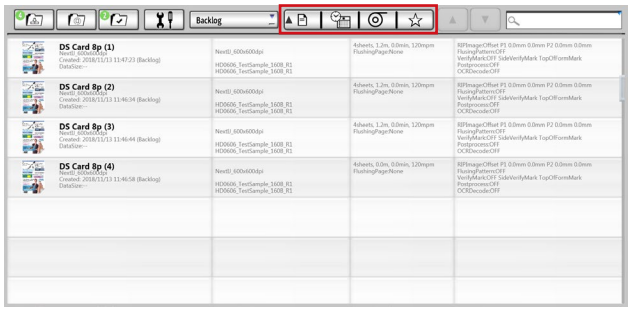
For details of the system settings, see “Chapter 5 System Settings Screen”.



■Folder name

This area displays the name of the selected folder.

When you press the ▼ next to the folder name, folder names such as “Backlog”, “Print Queue”, “Processed”, “System”, “All”, and “Recent” are displayed. Select the desired folder to display a list of its contents.



■Sort buttons

The listed jobs can be sorted by any of the categories at the top of the screen, including job name, registration date and time, etc. To change the sort criterion, press the sort button for the desired category.


Job name

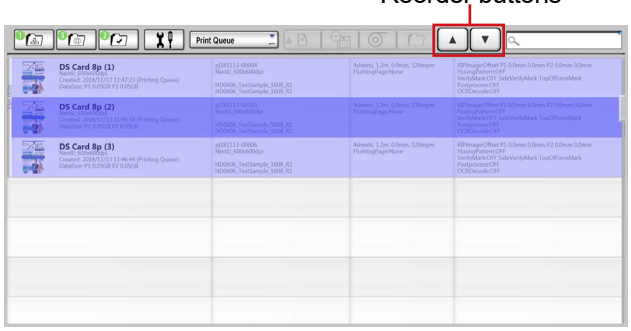

Backlog: Registration date and time (creation date and time)
Processed: Date and time when printing completed


Print condition name (not available in the system settings)


Favorites


Folder

Reorder buttons



■Reorder buttons

When the print queue screen is displayed, if you select a job and press a reorder button, you can change the order in which the jobs will be executed.

For more information, see “4.1.3 Changing the order of jobs in the print queue screen”.

When the system settings screen is displayed, if you press a reorder button in the favorites mode, you can change the order in which the system setting icons are displayed.

For more information, see “5.1.1 Changing the order of system setting icons”.

■Search string entry field

A job search is performed in the selected folder.

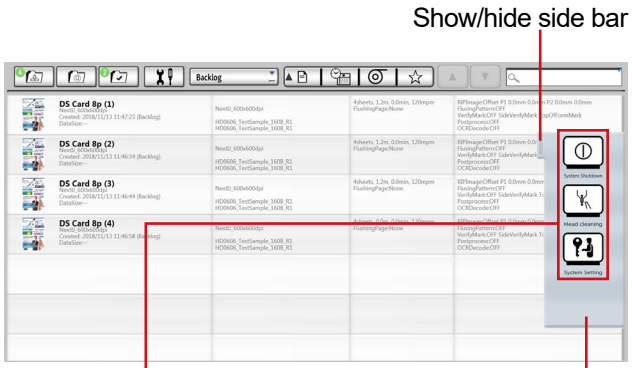
Operation

1) Enter a target job name in the search string entry field using the keyboard.

2) Press  . The target job is displayed.

Note

To display all jobs again, delete the character string in the search string entry field.



■Side bar (favorites)

Up to four system setting icons can be registered to the side bar (favorites).

Note

Each time you press the show/hide side bar tab, the side bar (favorites) is displayed or hidden in the job display area.

Operation

1) Press and hold the icon you wish to register to the side bar (favorites) for at least 1 second.
2) Press the button for adding icons to the side bar. The selected system setting icon is added to the side bar (favorites).

Button for adding icons to the side bar

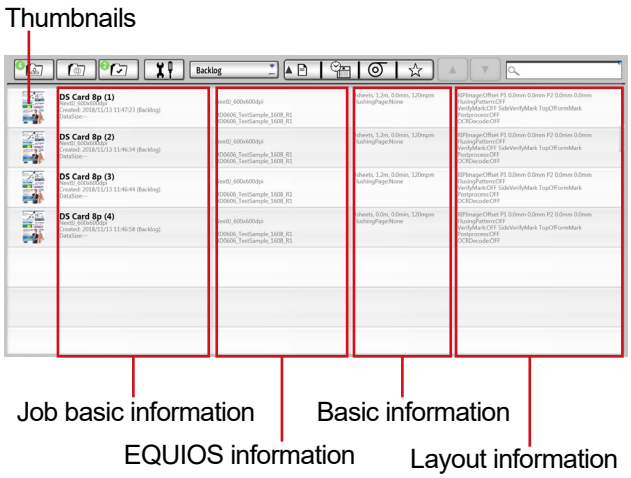
Button for deleting icons from the side bar

Note

To delete the icon that was added to the side bar (favorites), press the button for deleting icons.

2.1.2 Job display area

A job list is displayed.



■Information display

• Thumbnails

Shows job thumbnail images.

You can check the setting state and execution state of each job.

The job setting state can be identified at the lower center of the thumbnail.

None:Normal on-the-fly job (printing reservation has not been set in EQUIOS)

:On-the-fly job with printing reservation set in EQUIOS

:Job with RIP and Hold setting (not RIP'ed)

:Job with RIP and Hold setting (RIP'ed)

The job processing state can be checked using the progress bar for the thumbnail. While an on-the-fly job is being processed, the progress bar shows the progress of RIPing. While a job with RIP and Hold setting is being processed, the progress bar shows the progress of the RIP processing or spooling.

: Processing

: Processing completed

• Job basic information

Shows the following information.

• Job name

Jobs with defect record which requires reprinting will have prefix "Re_" inserted.

• Print condition name

• Created/completed date and time

• Data size

• Current folder name

• EQUIOS information

Shows the following information that were registered in EQUIOS.

• Template name

• Hot folder name

• Keyword 1, Keyword 2

• ICC profile name

• Basic information

Shows the following information.

• Required number of copies, roll length, printing time

• Print speed

• Information on flushing page and information sheet

• Layout information

Shows the following information.

• Image data information

• Flushing pattern information

• Inspection mark information

• Postprocessor mark information

• Decode information

Thumbnail view of the back side

■Pop-up buttons

When a job is selected, the following icons are displayed.

The icons displayed vary depending on the selected folder name (e.g., “Backlog”, “Print Queue”, “Processed”).

Note

The thumbnail image of the back side is displayed when a duplex printing job is selected.

• Move to “Backlog” folder button

When you press the move to Backlog folder button, the selected job is moved to the “Backlog” folder.

Processing is performed according to the job settings.

• Move to “Print Queue” folder button

When you press the move to Print Queue folder button, the selected job is moved to the “Print Queue” folder.

Processing for printing starts automatically.

• **Run button**

When you press the run button, the job settings screen is displayed.

For more information, see “Chapter 4 Job Processing”.

• **Move to “Processed” folder button**

The selected job is moved to the “Processed” folder.

Operation

Select the job to be moved, and then press the move to Processed folder button.

• **Start continuous printing button**

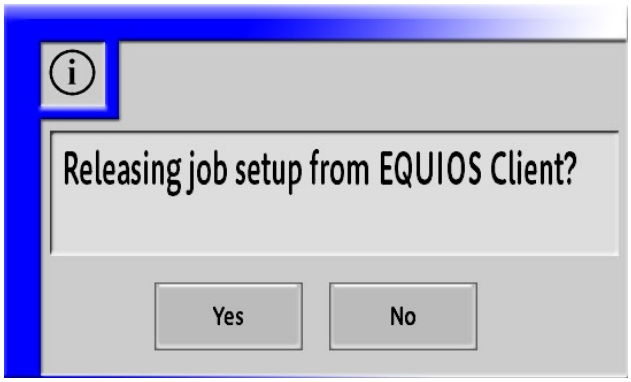
This button is used to print the jobs in sequence. Printing screen for the first job will be displayed.

Note

The number of jobs spooled in the continuous printing sequence is displayed on the button.

• **Start RIP and Hold button**

This button is used to run RIP processing in the RIP and Hold mode.

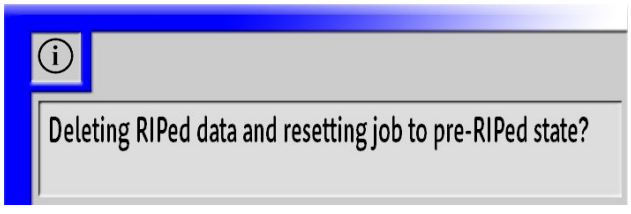


• **Cancel printing reservation button**

This button is used to cancel the printing reservations for jobs that were made in EQUIOS.

Operation

1) Select the job for which the printing reservation is to be canceled, and then press the cancel printing reservation button.
2) A confirmation dialog box is displayed. Press “Yes”.



• **Delete RIP’ed data button**

This button is used to delete the RIP’ed data of the RIP and Hold job and reset the job to the pre-RIP’ed state.

Operation

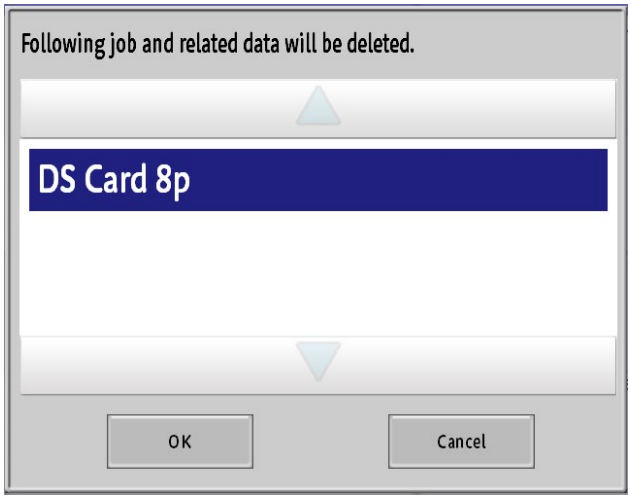
1) Select a job to be deleted, and then press the delete RIP'ed data button.
2) A confirmation dialog box is displayed. Press "Yes".

• **Job setting button**

When you press the job setting button, a screen is displayed allowing you to make settings for the selected job.
For more information, see "Chapter 3 Job Operations".

• **Print condition setting button**

When you press the print condition setting button, a screen is displayed allowing you to make print condition settings for the selected job. For more information, see "5.3 Print settings".



• **Delete button**

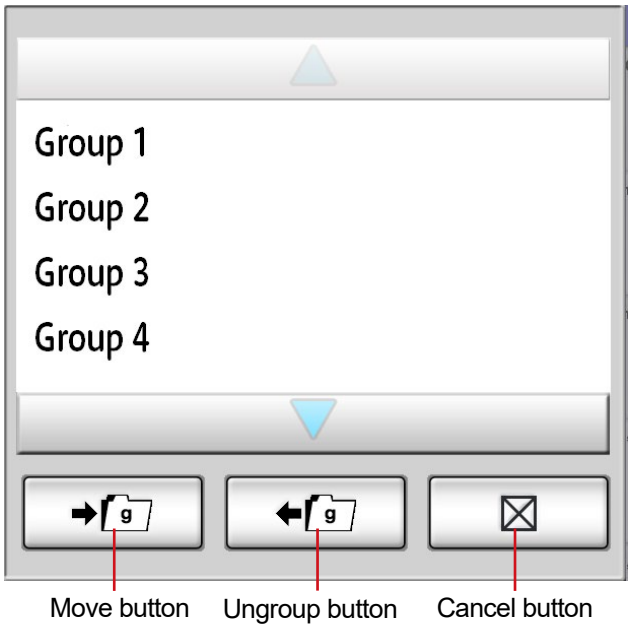
This button is used to delete a job.

Operation

1) Select the job you want to delete, and then press the delete button.
2) A confirmation dialog box is displayed. Press "OK".

Note

If multiple sections have been set in the selected job, the job cannot be deleted. Delete such jobs in EQUIOS.



• **Group button**

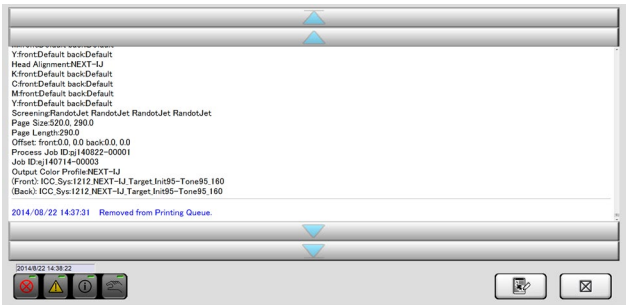
When you select a job and press the group button, the selected job is moved to a different group.

Operation

1) Select a job to be moved, and then press the group button.
2) A screen for selecting groups is displayed. Select the group to which you want to move the job, and then press the move button.

Note

- When the job in the group is already selected, if you press the ungroup button, the group to which the job belongs is cancelled
- .For the method to create a group, see “5.10 Job storing” in Chapter 5.
- When Keyword 1 was set to create a job in EQUIOS, the job is moved to the group with the same name as the Keyword 1 setting that was set when the job was registered. If a group with this name does not exist, a new group is created.



- **Display job log button**

When you press the display job log button, the job log screen is displayed.
For more information about the job log screen, see “3.5 Job log screen”.

- **Forbid auto delete button**

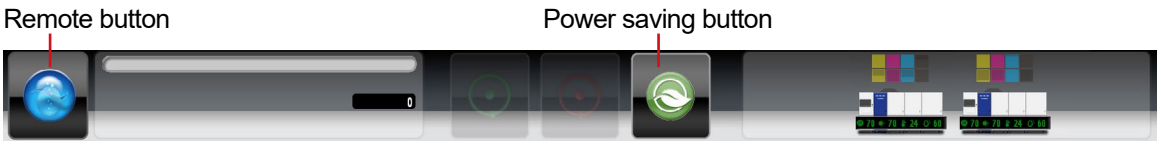
This command sets a job so that it is not deleted, even if it has passed the designated number of days saved after being printed.
Select the job you wish to protect from deletion and then press the forbid auto delete button.

■Scroll bar

If the jobs are listed using multiple pages (6 jobs or more), a scroll bar appears on the right side.
You can change the pages by moving the slider up and down in the scroll bar.
The marker in the scroll bar shows the position of the currently selected job with respect to all pages.

2.1.3 Status bar

■Normal



• Remote button

This button is used to remotely access EQUIOS Center or other server and then perform settings and operations for jobs.

• Power saving button

This button turns on the power saving (sleep) mode. This feature is not available on TP-J520 HD mono.

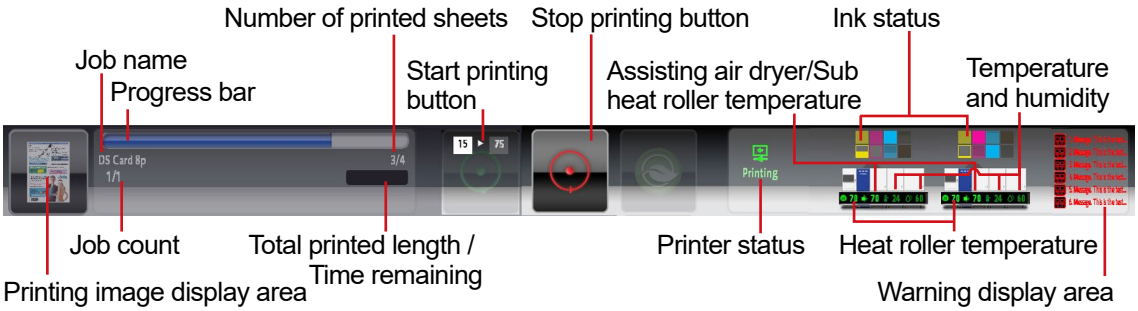
The power is saved by shutting down the heaters for the heat roller and assisting air dryer after cooling down.

The power saving mode is canceled when you perform any of the following operations.

• Pressing release power save button

• Start running a print job

■During printing



• Printing image display area

This area displays an image of the job that is currently being printed.

• Progress bar

The progress bar indicates the progress status of operations such as image loading and printing.

• Job name

The name of the job in progress for print processing is displayed.

• Job count

The number of printing jobs is displayed.

• Number of printed sheets

The total number of printed sheets for the job is displayed.

• Total printed length / Time remaining

The total printed length for the job is displayed. The remaining time in minutes is displayed during printing.

• Temperature and humidity

The current environmental temperature (left) and humidity (right) is displayed.

• Start printing button / Stop printing button

Printing of the job is started or stopped. When cleaning or paper feeding is running, these buttons behave as reserve / cancel. When a print start speed has been set in the system settings screen, the print start speed and the print speed of the job are displayed on the start printing button. For more information, see “5.16 Print start speed”.

• Printer status

The current status of the printing system is displayed.

For more information, see “2.1.4 Printer status”.

• Ink status

The current remaining amount and status of the ink are displayed.

• Heat roller temperature

The current heat roller temperature is displayed. Touch this field to display heater screen. For more information, see “2.1.5 Heater screen (option)“.

• Assisting air dryer/Sub heat roller temperature

The current assisting air dryer or sub heat roller temperature is displayed.

• Warning display area

This area displays information about the warnings and errors that have occurred in the printing system.

2.1.4 Printer status

The current status of the printing system is indicated by an icon and text.

Icon	Text	Status
	Warm up	Raising the heat roller and assisting air dryer temperatures in response to a print command
	Starting	Preparing for printing (e.g., removing the cap from the inkjet printhead)
	Printing	Printing
	Finishing	Printing completed and performing the exit processing (e.g., attaching the cap to the inkjet printhead)
	Cleaning	Cleaning the inkjet printhead
	Offline	Unconfirmed connection with the printer
	Scanning	Scanning a pattern printed during adjustment printing
	Starting (Tension)	Preparing for paper feeding
	Feeding	Feeding paper
	Transfer	Transmitting printing data
	Self-diag	Performing self-diagnosis of the printer
	Initializing	Initializing the printer
	Recovery	Performing recovery processing so that initial states can be restored if an error occurs
	Power saving	Shutting down power supply to heat rollers and assist dryers
—	Stop	Performing no operation in the printer (idle state)

The printer status changes in the following order.

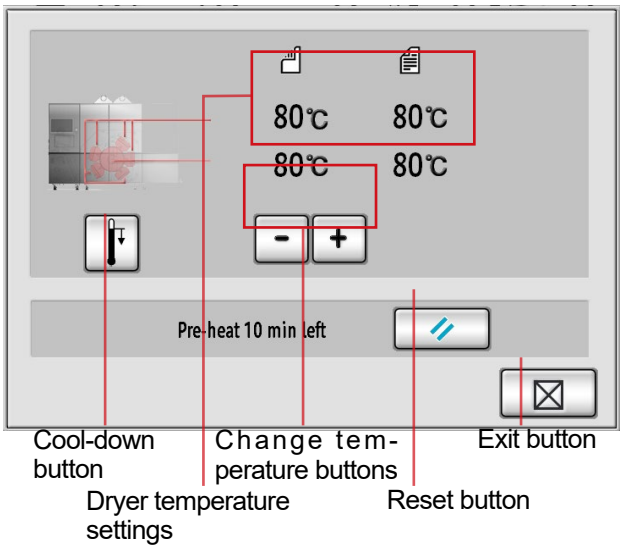
During job printing: Warm up -> Transfer -> Starting -> Printing -> Finishing

During adjustment printing: Warm up -> Transfer -> Starting -> Printing -> Finishing -> Scanning

During paper feeding: Starting (Tension) -> Feeding

2.1.5 Heater screen (option)

Change the heat roller and assisting air dryer temperature setting to reduce waiting time before printing or cool down the heaters prior to maintenance. This feature is not available on TP-J520HD mono.



■Change temperature buttons

Press the buttons to change the heat roller and assisting air dryer temperature settings to the preset values at standby dryer temperature settings in Operaton Environment screen. Temperature settings will be changed according to the following states: Standby <-/+> In Print Queue <-/+> Job Running

■Cool-down button

Uses the assisting air dryer fans to cool-down the heat roller. Press this button to lower the machine temperature to safe state prior to paper threading or roller cleaning.

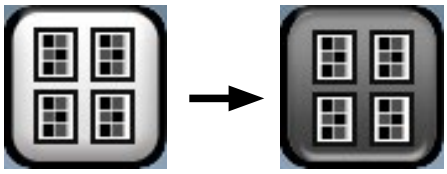
■Reset button

Resets the pre-heat remaining time displayed to the left to 10 minutes. Press this button to extend the pre-heat sequence.

2.2 Graphic icons displayed in the operation screen

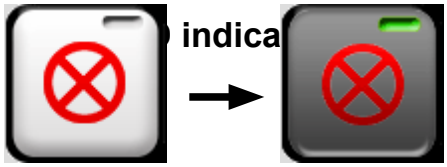
This section describes the common functions of the graphic icons displayed on screen.

2.2.1 Selected (enabled)



Selected state

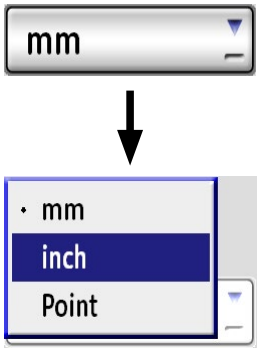
When buttons are pressed (pushed in), that indicates that they are selected or enabled.



ON

There are some buttons that have a rectangle at the upper right. With this type of button, the rectangle turns green when the button is ON and clear when the button is OFF. In this manual, this rectangular indicator is referred to as an LED.

2.2.3 ▼button

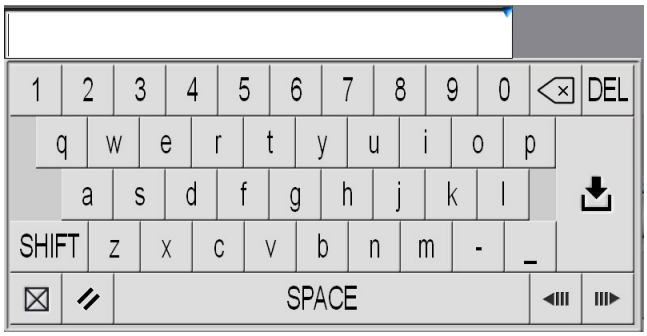


When ▼ is displayed, that means there are related items you can select.
When you press▼, the selectable items are displayed. Press the desired item to select it.

2.2.4 Entry fields

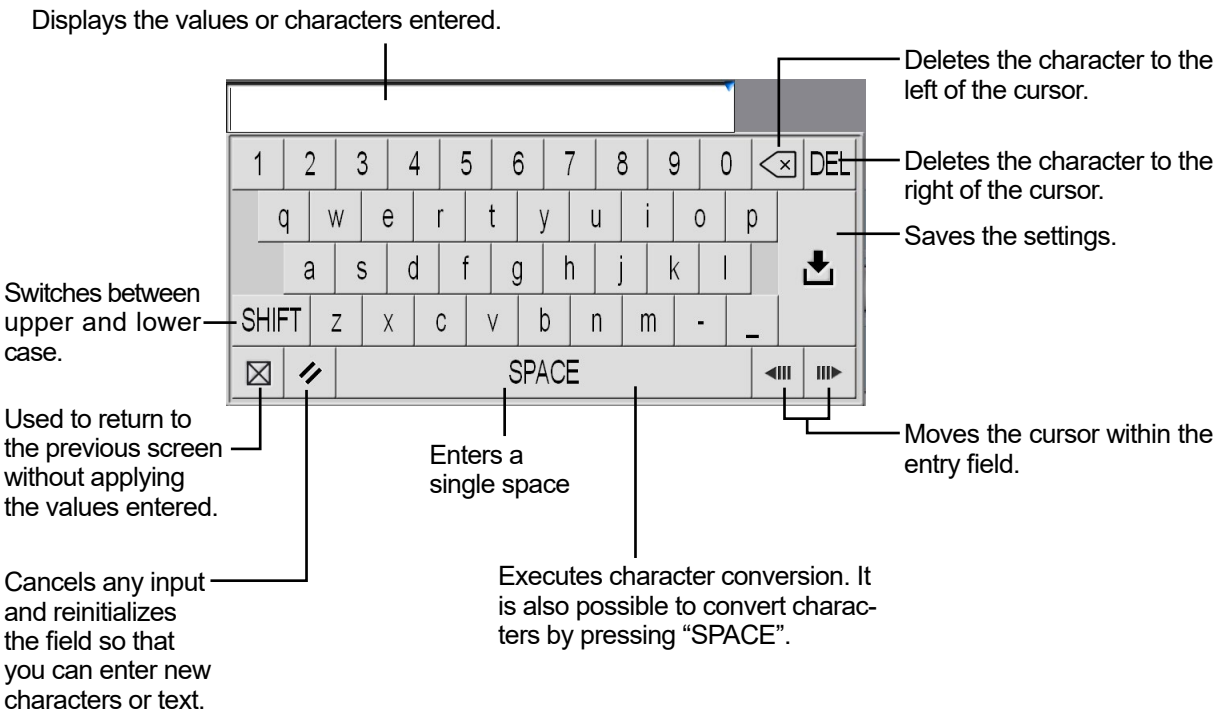
The operation screen includes entry fields where you can input characters and numeric values. When you select an entry field, either a numeric keypad or keyboard is displayed, depending on the type of entry field selected.

Keyboard



Numeric keypad

Refer to the following descriptions when entering characters or values in an entry field. The following provides descriptions for the keyboard.

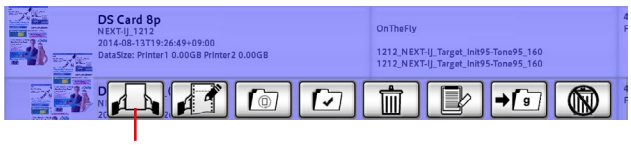


Chapter 3

Job Operations

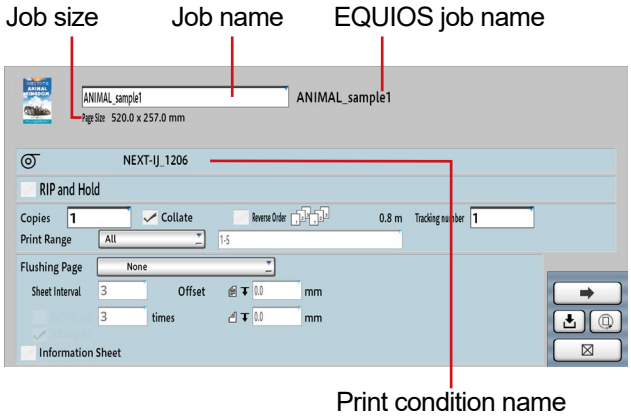
3.1 Job settings screen

The job settings screen is used for making basic job settings.



Job setting button

When you select a target job for the job setting in the job selection screen and then press the job setting button, the job settings screen is displayed.



■EQUIOS job name

This field shows the job name for which settings have been made in EQUIOS.

■Job name

When a job is input, this field shows the job name for which settings have been made in EQUIOS. Change the job name as necessary.

Operation

1) Press the job name entry field.
2) Enter a job name using the keyboard, and then press  .

Note

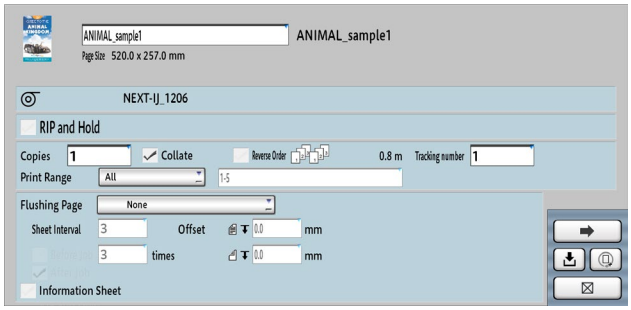
Even if a job name has been changed, it remains unchanged in EQUIOS.

■Job size

The job size is displayed.

■Print condition name

The print condition name set for the job is displayed.



■RIP and Hold

This check box is selected when RIP and Hold has been set for the job. To change the job setting to on-the-fly, clear the check box.

■Copies

This field allows you to set the number of copies to be printed.

Operation

1) Press the entry field to the right of “Copies”.
2) Enter the number of copies to be printed using the numeric keypad, and then press  .

■Collate

When a full set of complete document is to be printed in sequence, select the “Collate” check box.

■Reverse Order

When printing is performed in reverse order, select the “Reverse Order” check box.

■Tracking Number

Specify the initial value to be used for tracking number. This option is displayed when ‘Collate’ is enabled.

Note

When ‘Collate’ option is enabled, barcodes using tracking number macro are printed.

■Print Range

This option allows you to set the printing range. If you select “Selection”, the page to be printed can be specified.

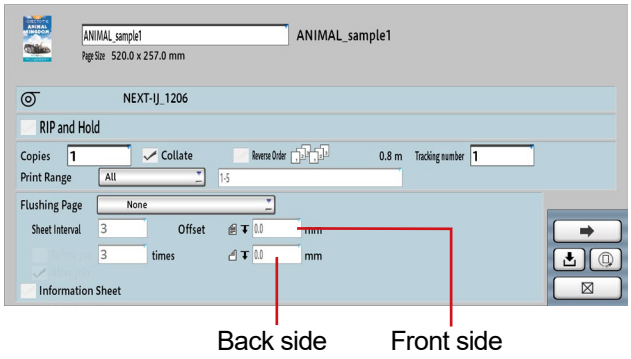
■Flushing Page

• How to set the flushing page

“Flushing Page” allows you to make settings to insert a flushing page before, during, and after a job to prevent nozzle clogging of the inkjet printhead.

Operation

1) Press ▼ to the right of “Flushing Page” and select a flushing page to be output.
   If you select “None”, the flushing page is not printed.



2) Press the entry field to the right of “Sheet Interval”.
3) When a flushing page is inserted during a job, enter the sheet interval (e.g., 1000) using the numeric keypad, and then press  .
4) Press the entry fields for the front side and back side to the right of “Offset”.
5) Enter the offset values using the numeric keypad, and then press  .
6) When printing a flushing page before a job, select the “Before Job” check box.
   Then press the entry field for “Before Job”, enter a count using the numeric keypad, and then press  .
7) When printing a flushing page after a job, select the “After Job” check box.

• How to register a nozzle clog check page

Using a special NozzleChecker page will allow JetInspection to detect nozzle clogging during printing. NozzleChecker page is available with JetInspection RTM&NC option.

Operation

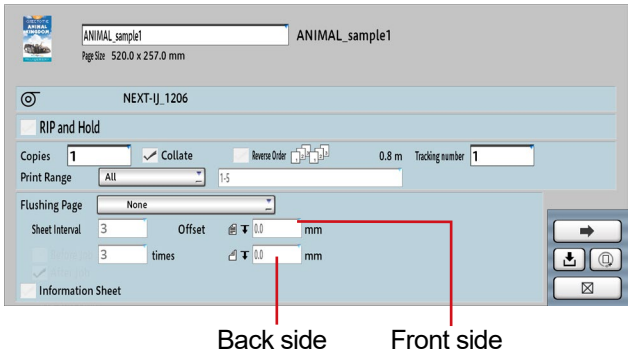
1) Press the flushing page menu and select “NozzleChecker” or “Standard + NozzleChecker”.
2) Sheet Interval shall be set to a value other than 0 to check nozzle clogging during printing by inserting NozzleChecker page.
3) Place a check to "Before Job" to check nozzle clogging before job pages are printed. When multiple NozzleChecker sheets are specified, the last page will be used for checking.
4) Place a check to "After Job" to check nozzle clogging after job pages are printed. When multiple NozzleChecker sheets are specified, the last page will be used for checking.

Note

• NozzleChecker option will not be available

when JetInspection is disabled, even when JetInspection RTM&NC option is installed. Refer to 5-54 □□□□□5.13 JetInspection□ for details.

- When interval is set to a small value and NozzleChecker is printed before 10 seconds from the latest check, the check process will be skipped. Check at start and end of job will not be skipped, regardless of the interval setting.



• How to register a new flushing page

It is possible to register a new flushing page uniquely created by a customer.

Operation

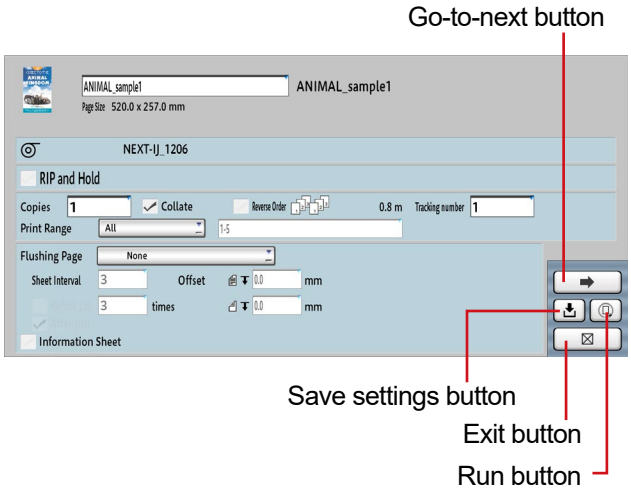
1) Register a custom flushing page from a job with RIP and Hold set.
2) Run the RIP and Hold processing for the job of step 1.
3) Select the job to which the RIP and Hold processing was applied in step 2 to display the job settings screen.
4) Press ▼ to the right of “Flushing Page” and select “Add...”.
5) Enter a name to be registered using the keyboard, and then press .
   After the flushing page has been registered, it is displayed in the flushing page selection list.

Note

To delete the flushing page that was registered, press ▼ to the right of “Flushing Page” and select “Delete”.

■Information Sheet

Select the “Information Sheet” check box to print the information sheet that contains the job basic information as well as the alignment and registration data name and ICC preset data name set in the print condition settings screen.



■Exiting the setting screen

When you have finished making settings in the job settings screen, press the go-to-next button.

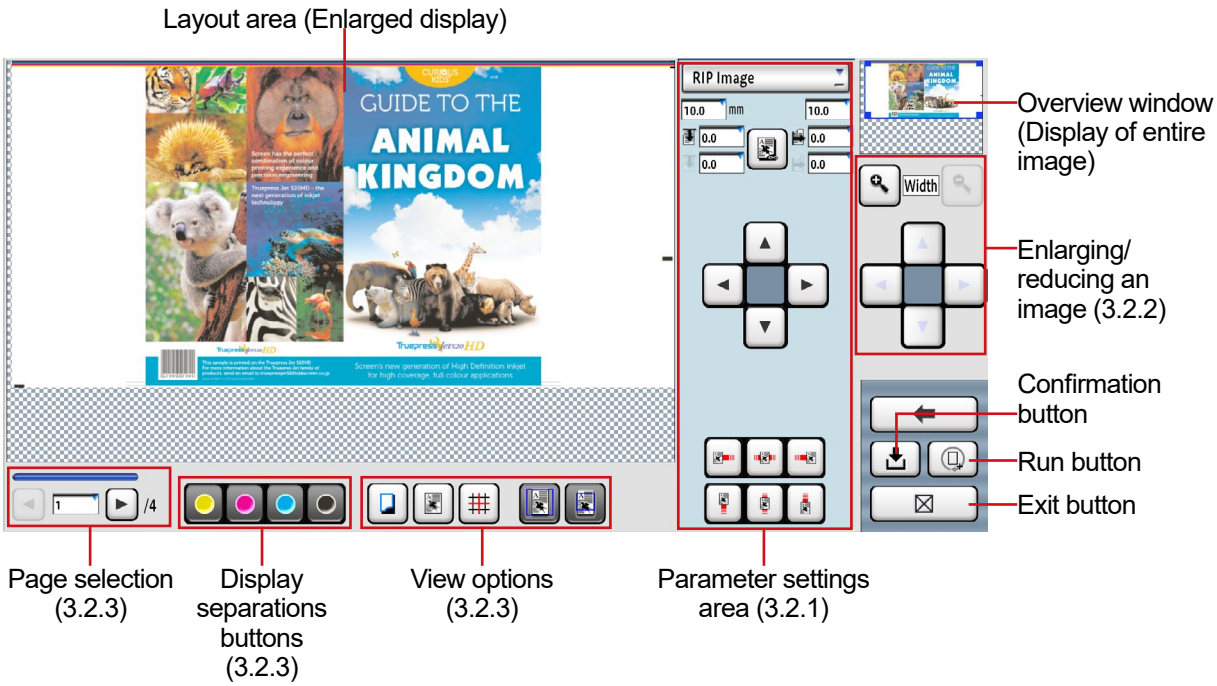
The layout settings screen will be displayed.

Note

- When you press the save settings button, the settings made are saved, and the main screen is displayed again.
  When the settings are saved, a confirmation dialog box is displayed asking whether you wish to apply the settings to the job only or also to the print condition settings of the system.
  The message is displayed as follows.
  “Do you want to save current job settings as print condition settings default?
  Press ‘No’ to save changes to job only.”
  Following message may be displayed when editing jobs in print queue.
  “Copy changes to other jobs in continuous printing?”
  Press ‘No’ to save changes to current job only. Press ‘Yes’ to save changes to all jobs in continuous printing batch.
- When you press the exit button,
  a confirmation dialog box is displayed if you have modified any setting. Pressing “OK” saves the settings made and returns you to the main screen.
- When you press the run button, all the settings you have made are saved and the print queue screen, which now includes the job you just made settings for, is displayed (the job is registered in the “Print Queue” folder).

3.2 Layout settings screen

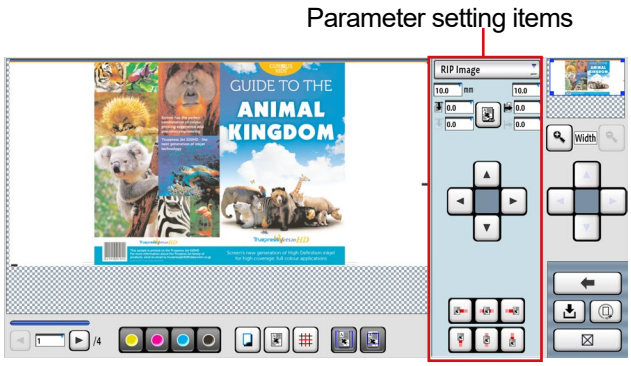
When you press the go-to-next button in the job settings screen, the layout settings screen is displayed. This screen displays the images for the job you set up in the job settings screen and allows you to adjust the layout and make the inspection settings. The layout settings screen includes the following functions.



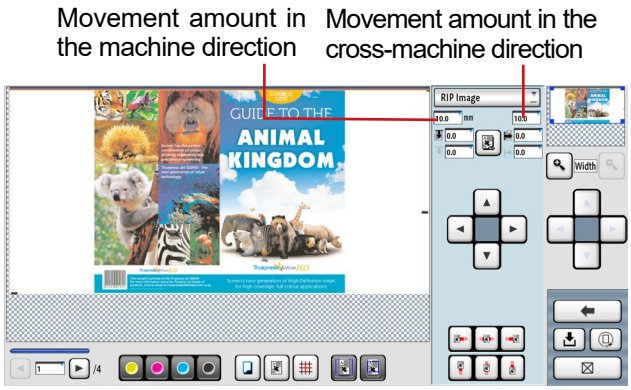
Note

The layout area shows the image enclosed by a blue frame in the overview window.

3.2.1 Setting parameter settings area



Press ▼ to the right of the parameter setting item and select a setting item.
The contents of the parameter setting area change in accordance with the selected setting item.
The various settings are described below.



■RIP Image

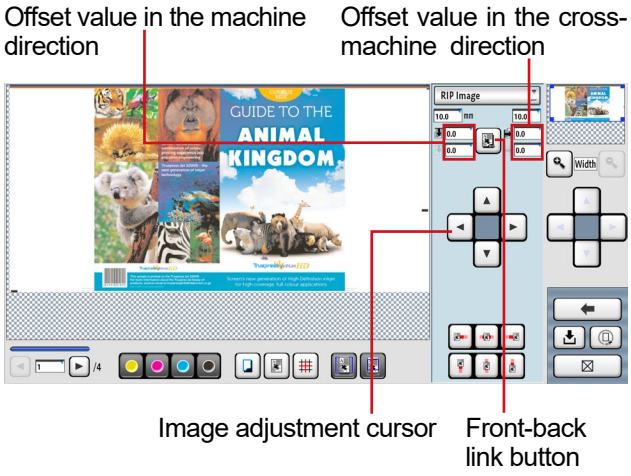
This option allows you to adjust the image position.

- **Movement amount in the cross-machine and machine directions**

These fields allow you to set the amounts an image moves when an image adjustment button for the position cursor is pressed once.

Operation

1) Press the entry field to the right of each movement amount.
2) Enter a value for movement amount using the numeric keypad, and then press  .

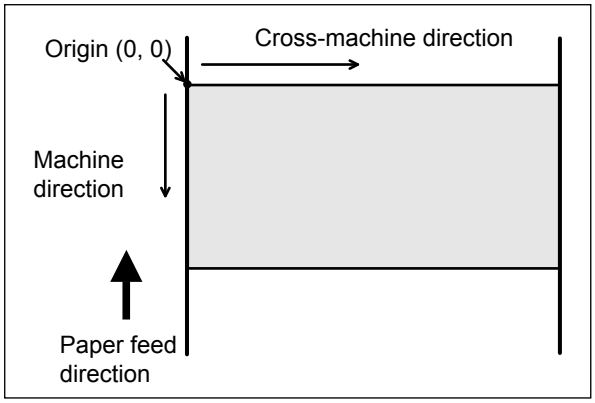


- **Offset values in the cross-machine and machine directions**

These values indicate the offset values in the cross-machine and machine directions for the displayed image.
With the duplex printing system, when an odd number page is displayed, the icon beside the offset value for the front side of the image is activated, and when an even number page is displayed, the icon beside the offset value for the back side of the image is activated. (For the front-back link type printing system, both of these icons are always activated.)

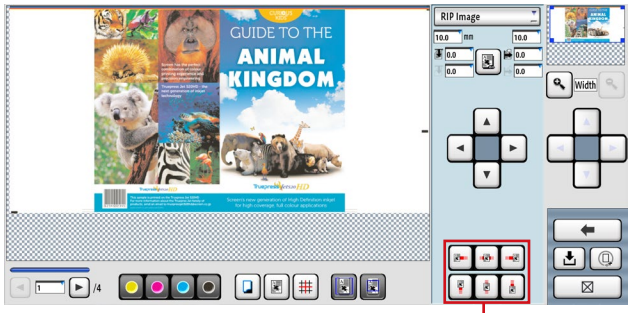
• Front-back link button

When the front-back link button is pressed and the layout for one side is adjusted on the layout settings screen, the layout for the back side is also adjusted accordingly. Pressing the button again releases the front-back link and the layout is adjusted for the side displayed on the screen only.



• Image adjustment cursor

Press the direction button in which you want to adjust the image. Each press moves the image in the arrowed direction by the specified movement amount in the cross-machine or machine direction.



Automatic position adjustment buttons

• Automatic image position adjustment buttons

Each button functions to move the image as follows.

 Moves the image to the left edge in the cross-machine direction.

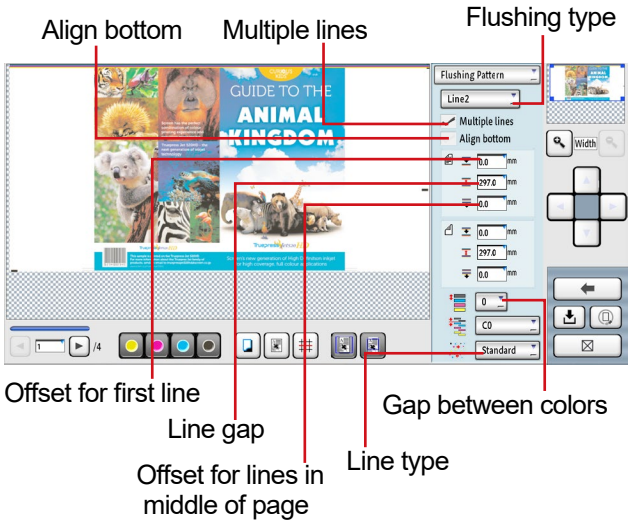
 Moves the image to the center in the cross-machine direction.

 Moves the image to the right edge in the cross-machine direction.

 Moves the image to the top edge in the machine direction.

 Moves the image to the center in the machine direction.

 Moves the image to the bottom edge in the machine direction.



■Flushing Pattern

This option allows you to set a flushing pattern to be output on each page to prevent nozzle clogging of the inkjet printhead.

• Flushing type

This option allows you to set the flushing type.

Operation

Press ▼ to the right of the flushing type and select a flushing type.

• Multiple lines

This option allows you to print multiple lines when line type flushing pattern is selected. The interval between lines are specified at Line gap field.

• Align bottom

This option allows you to set the line type flushing lines to the bottom of the page.

• Offset (front/back, machine direction)

This option allows you to set the position of the flushing pattern to be printed. Enter correction offset values in the machine direction for the front and back sides.

Operation

1) Press the entry field to the right of each correction offset.
2) Enter a correction offset value using the numeric keypad, and then press .

Note

- The setting for the back side is displayed only for the duplex printing system.
- This option is only displayed when a line type flushing pattern is selected.

• Gap between colors

This option allows you to set the amount of gap between colors.

Operation

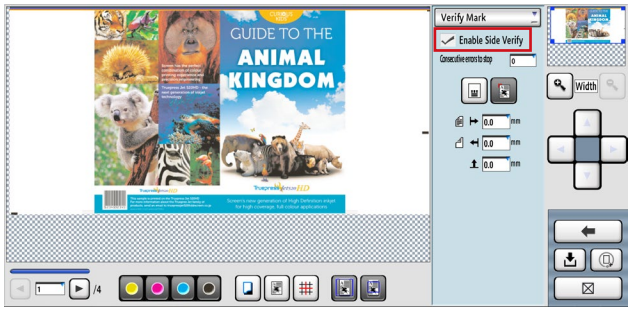
Press ▼ to the right of the value for the gap between colors and select the amount of the gap.

• Line type

Select 'Cross stitch' when you encounter drying issues. Otherwise, select 'Standard' to reduce width.

Note

This option is only displayed when a line type flushing pattern is selected.



■Verify Mark

This option allows you to set two verify marks, a side verify mark and top of form mark.

The side verify mark is used to check whether the correct combination of front side data and back side data are printed.

The top of form mark is used to detect the printing start position on the back side of the page. When JetInspection (optional) is installed, this mark indicates the inspection start position on the front side of the page.

• Enable Side Verify

If the "Enable Side Verify" check box is selected, the inspection processing of the side verify mark becomes available.

• Consecutive errors to stop

This parameter allows you to set the number of sheets at which to stop the operation of the printer for a verify error if the verify fails consecutively.

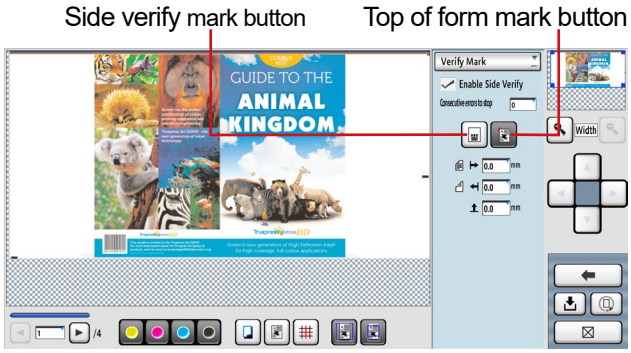
Operation

1) Press the "Consecutive errors to stop" entry field.
2) Enter the number of sheets using the numeric keypad, and then press .

Note

You can enter any value from 0 to 100 for Consecutive errors to stop.

If you enter "0", the printer does not stop for an error.

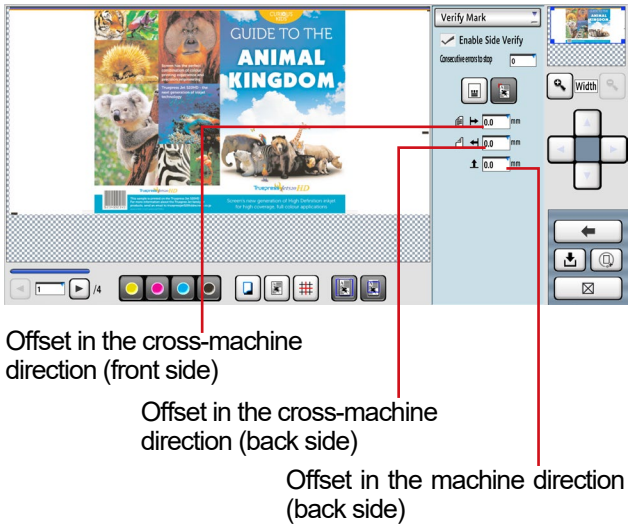


• Verify mark (side verify mark, top of form mark) buttons

This option allows you to set the verify mark (side verify mark, top of form mark) that is automatically generated in the printer.

The mark is selected by turning ON the corresponding button.

If the target page data includes a verify mark image or if you use preprinted paper on which a barcode has already been printed, turn OFF the mark as necessary.



• Printing position (front/back, cross-machine direction)

This option allows you to set the cross-machine direction position to print the verify mark. Enter the offset values in the cross-machine direction for the front and back sides.

Operation

1) Press the entry field to the right of each correction offset.
2) Enter a correction offset value using the numeric keypad, and then press  .

Note

The setting for the back side is displayed only for the duplex printing system.

• Printing position (back, machine direction)

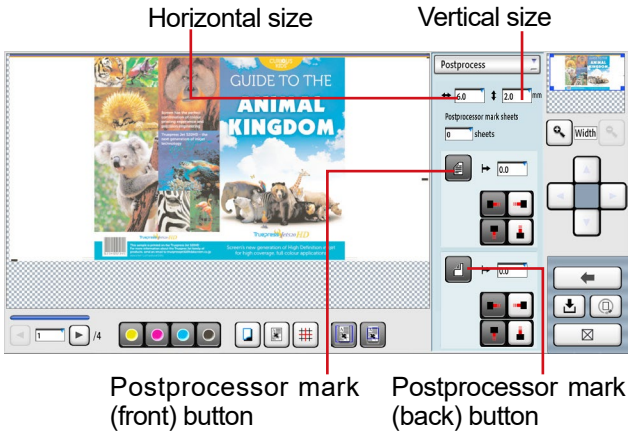
This option allows you to set the machine direction position to print the verify mark on the back side. Enter the correction offset value in the machine direction for the back side.

Operation

1) Press the entry field to the right of each correction offset.
2) Enter a correction offset value using the numeric keypad, and then press  .

Note

This setting is displayed only for the duplex printing system.



■Postprocess

This option allows you to set a postprocessor mark to be used as a reference in the postprocessor, such as a cutter to cut paper, during postprocessing.

• Postprocessor mark (front/back) buttons

This option allows you to set the side on which a postprocessor mark is output.
The side is selected by turning ON the corresponding button.

Note

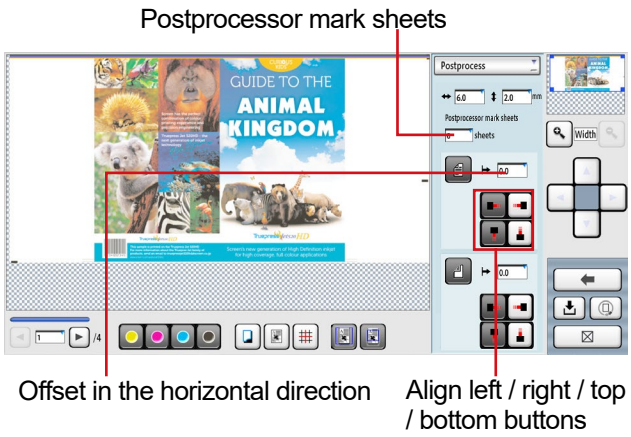
The setting for the back side is displayed only for the duplex printing system.

• Size (horizontal / vertical)

These fields allow you to set the size of the postprocessor mark.

Operation

1) Press the entry field to the right of the size in the horizontal / vertical direction.
2) Enter the size in the horizontal / vertical direction using the numeric keypad, and then press .



• Align left / right / top / bottom buttons

These buttons allow you to set the alignment of the postprocessor mark.
If the align left button is enabled, the offset (horizontal direction) is calculated from the left edge.
If the align right button is enabled, the offset (horizontal direction) is calculated from the right edge.
If the allgn top button is enabled, the offset (vertical direction) is calculated from the top edge.
If the align bottom button is enabled, the offset (vertical direction) is calculated from the bottom edge.

• Offset (horizontal direction)

This field allows you to set the position of the postprocessor mark.

Operation

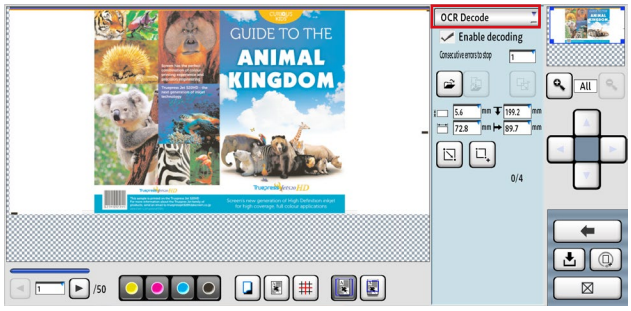
1) Press the entry field to the right of the offset in the horizontal direction.
2) Enter an offset value in the horizontal direction using the numeric keypad, and then press  .

• Postprocessor mark sheets

This field allows you to set the number of sheets required in the postprocessor for preparatory operation before the printed job sheets reach the postprocessor.

Operation

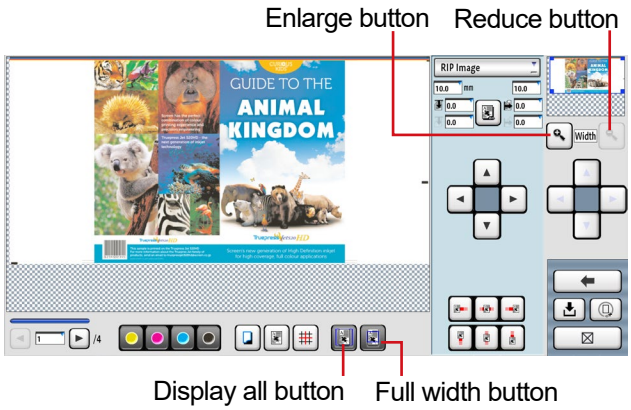
1) Press the entry field below “Postprocessor mark sheets”.
2) Enter the number of sheets for preparatory operation using the numeric keypad, and then press  .



■OCR Decode

For information about how to set the “OCR Decode” option, see “3.3 Setting and editing of the decode area”.

3.2.2 Enlarging/reducing display



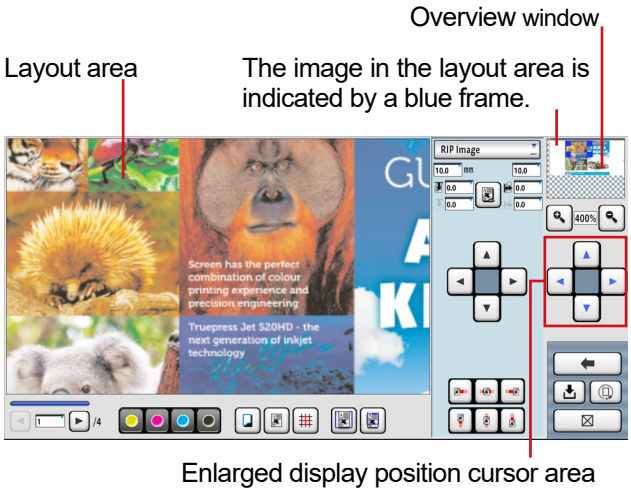
■Enlarging/reducing an image

When you press the enlarge or reduce button, you can enlarge or reduce the display of the image.

■Displaying the entire image / Displaying at full width

When the image in the layout area has been enlarged and you press on the display all button, the image in the layout area is reduced so that all of it is displayed in the layout area.

When you press the full width button, the image is resized so that it takes up the entire width of the zoom view window.



■Changing the enlarged display position of the image

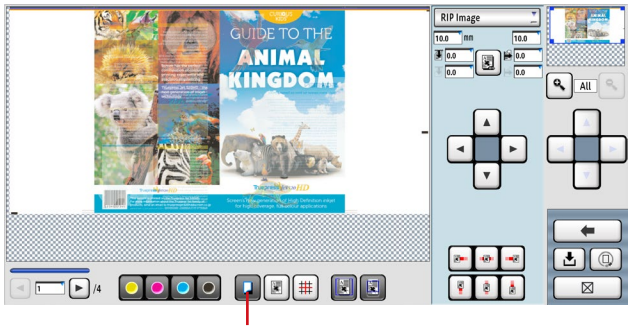
When you enlarge an image, the portion of the image displayed in the layout area is surrounded by a blue frame in the overview window. The buttons in the enlarged display position cursor area are also available for use.

Operation

You can change the position of the enlarged portion of the image that is on display using any of the following procedures. When the enlarged display position changes, the blue frame in the overview window moves to indicate the change.

- Press on the desired position in the overview window.
- Press the up, down, left, or right arrow buttons in the enlarged display position cursor area.
- Press on the desired position in the layout area. The point you pressed will be moved to the center of the layout area.

3.2.3 Display functions



Display front and back side information button

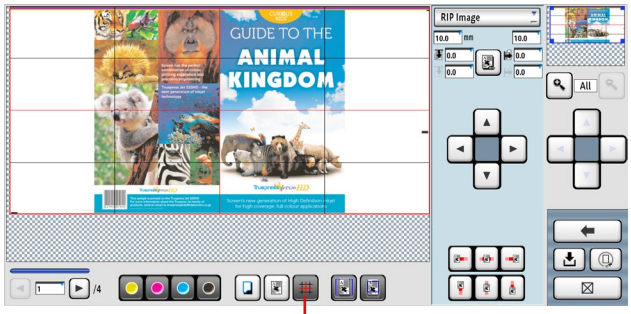
■Displaying the front and back side information

The display front and back side information button is available for a duplex printing job.
When you press the display front and back side information button, the back side image is displayed as semi-transparent in the layout area and overview window.

Security display mode button

■Security display mode

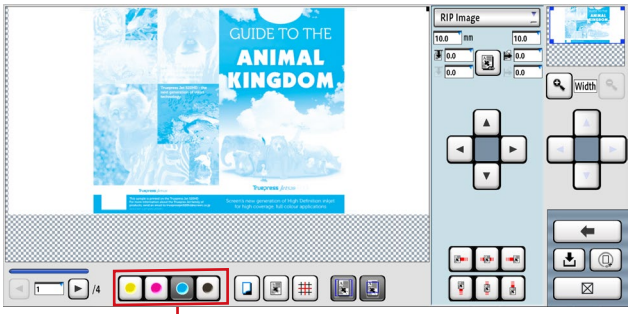
When you press the security display mode button, the blurring effect is applied to the entire image in the layout area and overview window so that any included text cannot be read.



Display grid button

■Displaying the grid

When you press the display grid button, a grid is displayed in the zoom view window.
The grid cuts the image in half both vertically and horizontally, so that it divides the selected image into quarters.
Press the display grid button again to cancel the grid display.

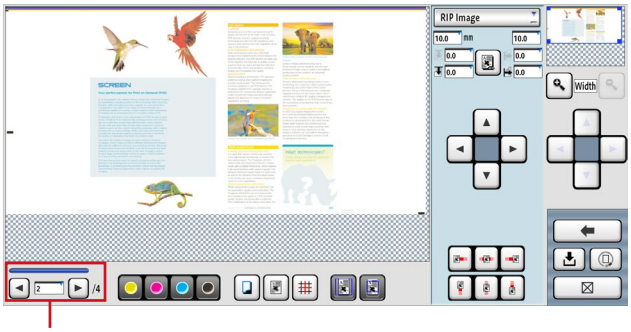


Display separations buttons

■Displaying separations

You can display the separations for the image in the layout area and overview window. There are four display separation buttons: yellow, magenta, cyan, and black from the left. While only the cyan button is selected, the cyan separation image is displayed. The yellow button, magenta button, and black button all function in the same manner.

If two or more separation buttons are selected, the corresponding color separation images will be overlaid.
For monochrome jobs, only the black button is available.



Page selection buttons

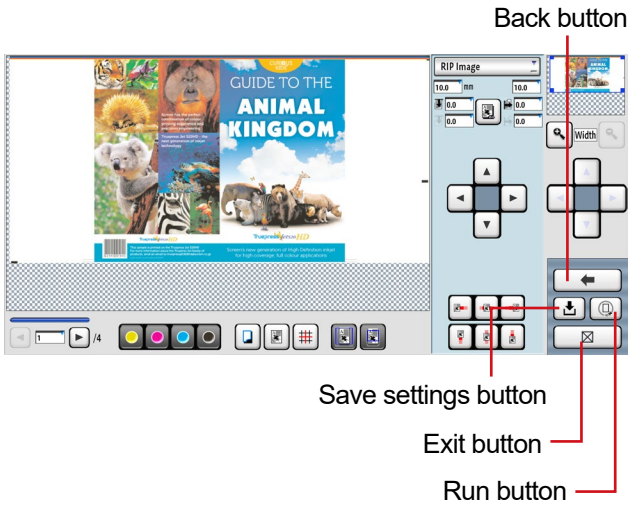
■Page selection

When you press the page selection button, the page displayed is changed.
It is also possible to select a page by entering the page number directly into the entry field as follows.

Operation

1) Select the page entry field by pressing it.
2) Enter the page number using the numeric keypad, and then press  .

3.2.4 Exiting the layout settings screen



When you have finished making settings in the layout settings screen, press the run button. All the settings you have made in the layout settings screen are saved and the job is moved to the “Print Queue” folder.

Note

- When you press the save settings button, the settings made are saved, and the main screen is displayed again.
  When the settings are saved, a confirmation dialog box is displayed asking whether you wish to apply the settings to the job only or also to the print condition settings of the system.
  The message is displayed as follows.
  “Do you want to save current job settings as print condition settings default?
  Press ‘No’ to save changes to job only.”
- When you press the back button, the job settings screen is displayed again.
- When you press the exit button, a confirmation dialog box is displayed if you have modified any setting. Pressing “OK” saves the settings made and returns you to the main screen.

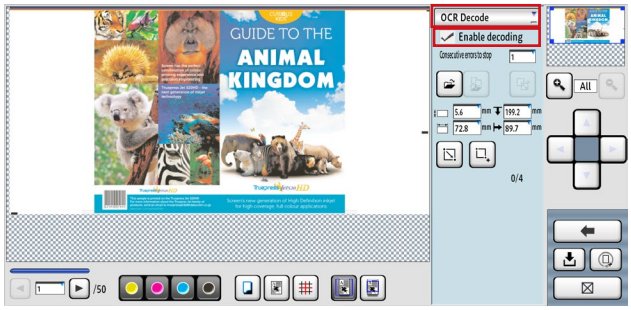
3.3 Setting and editing the decode area

The OCR Decode option allows you to set areas such as barcode, numeric value, or text in the job as a decode area. The decode area that has been set is read by JetInspection.
The decode area is available only when JetInspection OCR Barcode option is installed.
This area allows you to perform operations such as editing the decode settings, creating or duplicating a decode area, and saving or loading a decode settings file.

Note

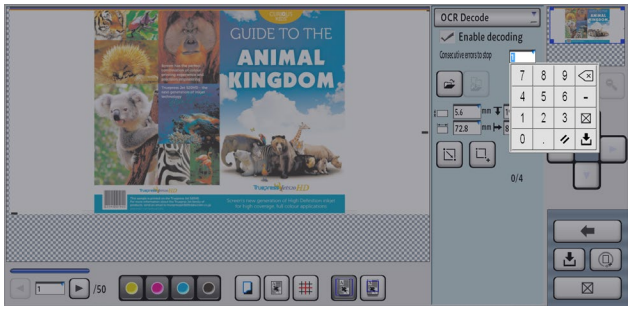
Even when JetInspection OCR decode option is installed the OCR Decode will not be available when JetInspection is disabled. For more information, see “5.13 JetInspection” in Chapter 5.

3.3.1 Decode settings



■Enable decoding

If the Enable decoding check box is selected, the JetInspection decode processing becomes available.



• Consecutive errors to stop

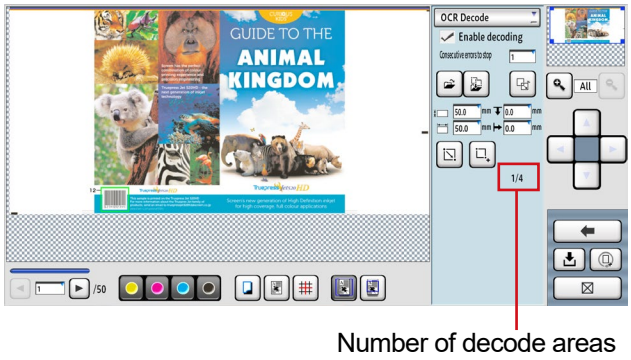
This parameter allows you to set the number of sheets at which to stop the operation of the printer for a decode error if the decoding fails repeatedly.

Operation

1) Press the “Consecutive errors to stop” entry field.
2) Enter the number of sheets using the numeric keypad, and then press .

Note

You can enter any value from 0 to 100 for “Consecutive errors to stop”.
If you enter “0”, the printer does not stop for an error in any decode areas.



• Number of decode areas

The number of decode areas is displayed in the form of “number of set decode areas / number of maximum decode areas”.

If the number of set decode areas exceeds the maximum value, a warning mark is displayed.

3.3.2 Creating a new decode area

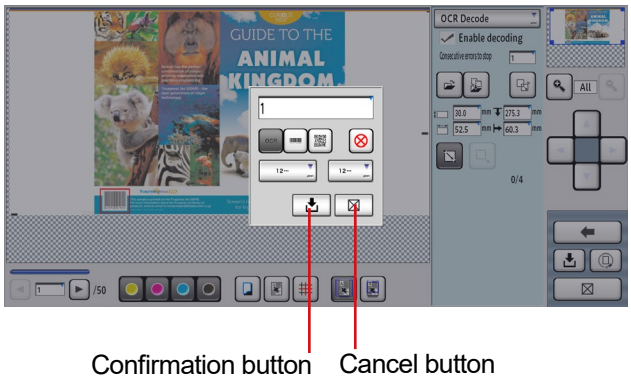
You can create a new decode area by dragging the pointer or your finger or by entering sizes and offset values.

Drag the pointer or your finger to create new decode area.

■Creating a new decode area by dragging the pointer or your finger

Operation

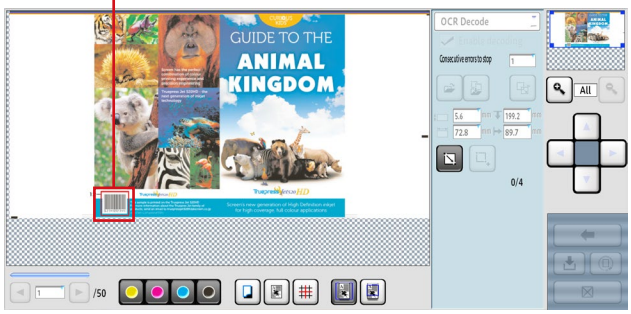
1) Press the create new decode area (by dragging) button.
2) In the layout area, drag the pointer or your finger to create a new decode area.



The decode area detailed settings dialog box is displayed.

3) Make settings in the decode area detailed settings dialog box.
   For more information, see “3.3.3 Decode area detailed settings dialog box”.
4) Press the confirmation button.

Decode area

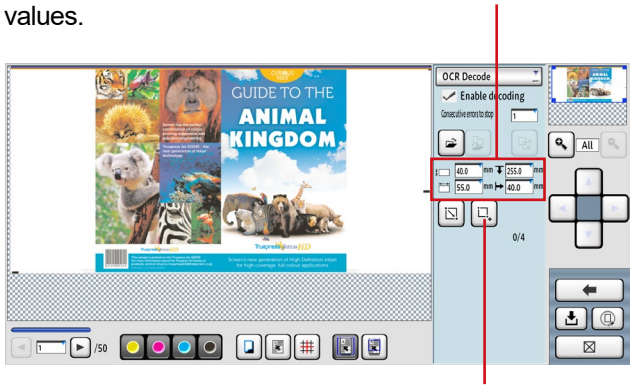


A new decode area is created.

Note

If you press the cancel button, the decode area detailed settings dialog box closes without a new decode area being created.
Decode area type Code39(CD) will not be detected automatically. Change the type from Code39 as required.

Enter the decode area sizes and decode area offset values.

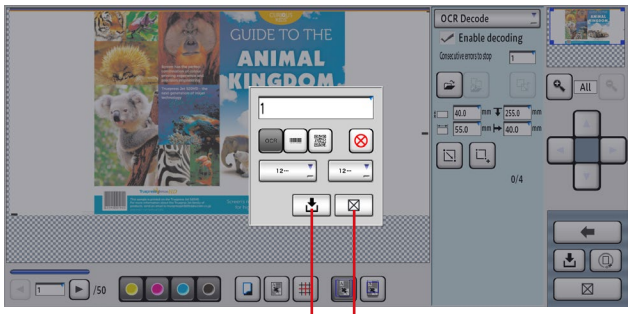


Create new decode area (by entering values) button

■Creating a new decode area by entering values

Operation

1) Enter the decode area sizes and decode area offset values.
2) Press the create new decode area (by entering values) button.

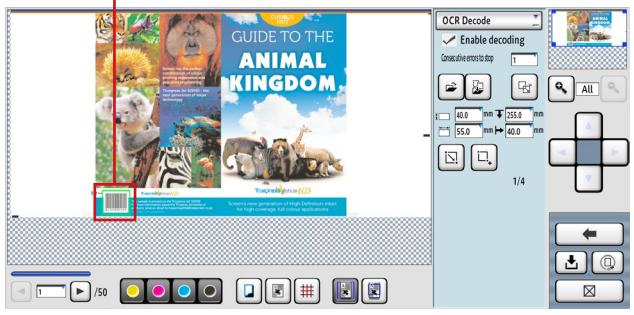


Confirmation button Cancel button

The decode area detailed settings dialog box is displayed.

3) Make settings in the decode area detailed settings dialog box.
   For more information, see “3.3.3 Decode area detailed settings dialog box”.
4) Press the confirmation button.

Decode area



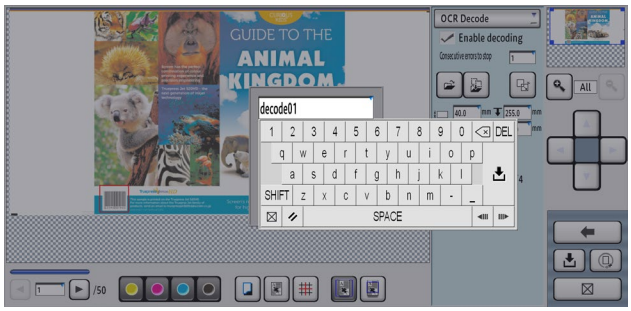
A new decode area is created.

Note

If you press the cancel button, the decode area detailed settings dialog box closes without a new decode area being created.
Decode area type Code39(CD) will not be detected automatically. Change the type from Code39 as required.

3.3.3 Decode area detailed settings dialog box

You can make detailed settings for the decode area.



■Label name

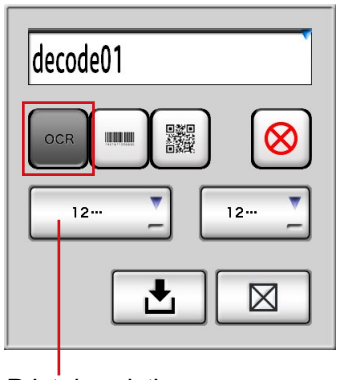
You can set the label name for the decode area.

Operation

1) Select the label name entry field by pressing it.
2) Enter the label name using the keyboard, and then press  .

■Label type

You can set the details of the label using the label type setting buttons.

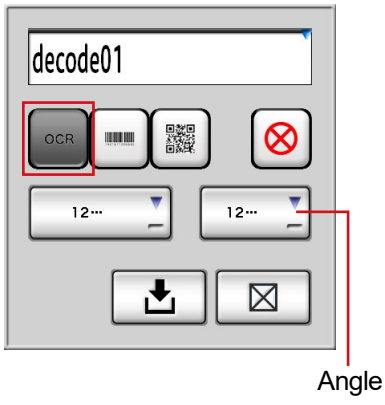


- **OCR**

Select the print description and angle from the corresponding pull-down list.

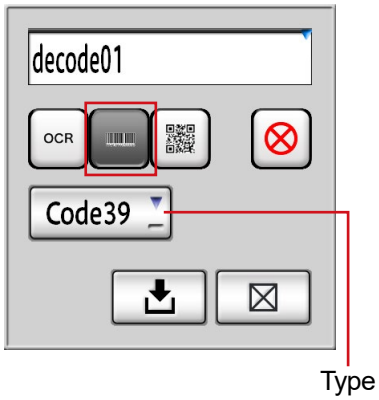
Print description

12···	OCR Numbers
AB···	OCR Text
12··· AB···	OCR Both - Numbers prioritized
12··· AB···	OCR Both - Text prioritized



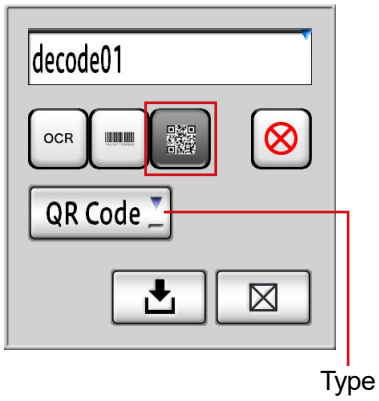
Angle

12···	0°
12	90°
···21	180°
12	270°



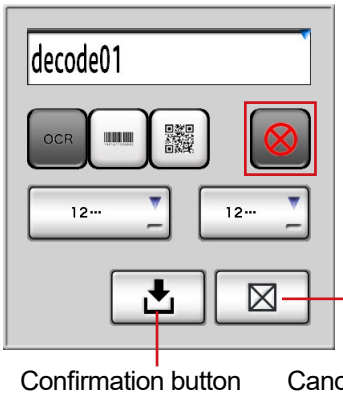
• 1D barcode

You can select a type of one-dimensional barcode from the pull-down list.



• 2D barcode

You can select a type of two-dimensional barcode from the pull-down list.



• Decode error

You can select a decode error handling option.
ON:Decode error is monitored for all sheets.
OFF:Decode error is not counted for the "Consecutive errors to stop" setting even if decoding has failed.

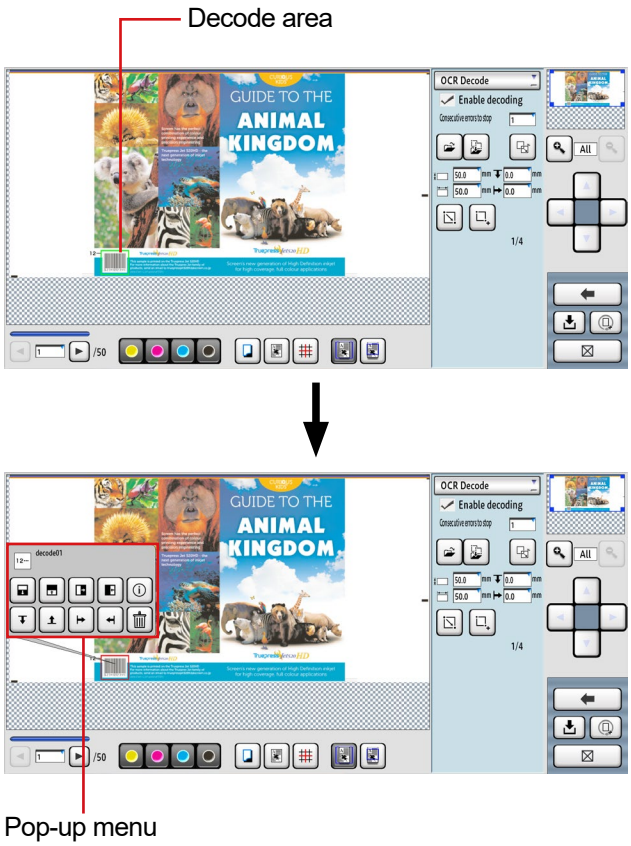
When you have finished making settings in the decode area detailed settings dialog box, press the confirmation button.

Note

If you press the cancel button, the decode area detailed settings dialog box closes without the settings being saved.

3.3.4 Editing the decode area

You can select and edit the decode area that has been created.



■Selecting a decode area

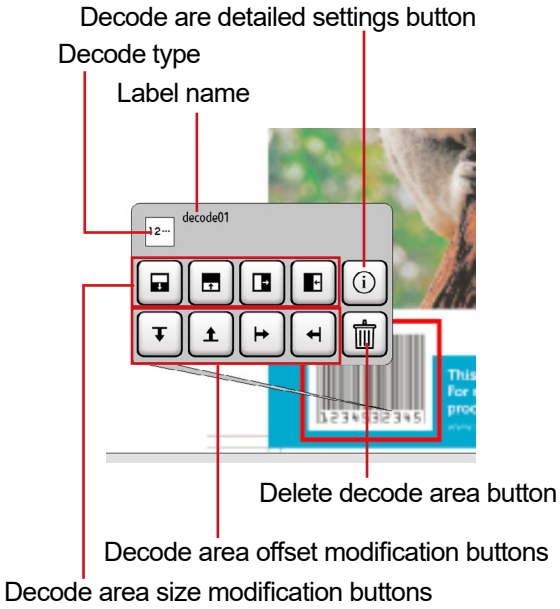
When you select a decode area, the color for the decode area frame changes from green to red, and then a pop-up menu is displayed.

The type of decode area is indicated by an icon at the top left of the decode area.

Icon	Type
1D	One-dimensional barcode
2D	Two-dimensional barcode
12···	OCR Numbers
AB···	OCR Text
12··· AB···	OCR Both - Numbers prioritized
12··· AB···	OCR Both - Text prioritized

Note

- If several decode areas are overlapped, the active decode area is switched each time you touch the decode area.
- If a decode area with exactly the same size and offset settings as an existing area is set, a warning mark is displayed.



■Pop-up menu

You can edit the selected decode area using the pop-up menu.

• Decode area size modification buttons

You can increase or decrease the height and width of the decode area.

- Increase height
- Decrease height
- Increase width
- Decrease width

• Decode area offset modification buttons

You can change the position of the decode area.

- Move to left
- Move to right
- Move up
- Move down

• Decode are detailed settings button

When you press the decode area detailed settings button, the decode area detailed settings dialog box is displayed.

For more information, see “3.3.3 Decode area detailed settings dialog box”.

• Delete decode area button

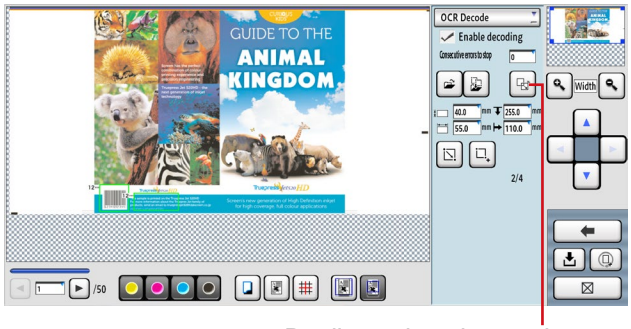
Deletes the decode area.

Note

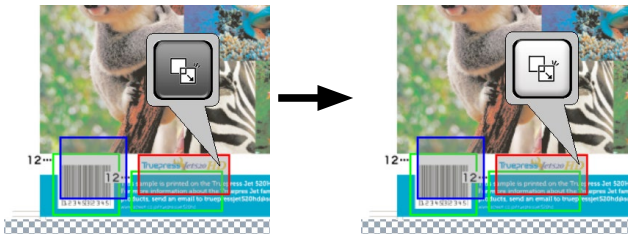
When you press anywhere in the layout area, the pop-up menu closes.

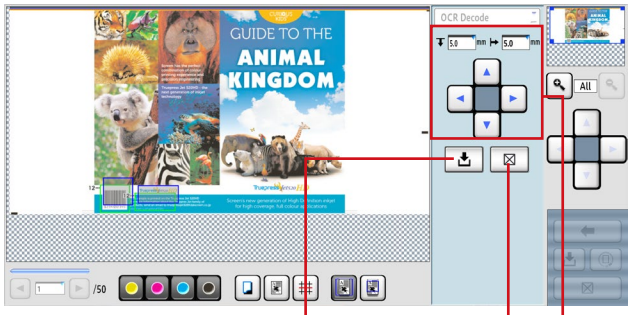
3.3.5 Duplicating the decode area

You can duplicate all the created decode areas at the same time.



Duplicate decode area button





Confirmation button

Cancel button

Position cursor area

Operation

1) Press the duplicate decode area button.

   The duplicated decode areas are displayed. With this setting, all decode areas are duplicated.

2) For any decode area you do not want to duplicate, deselect it by turning OFF the duplicate decode area button that is displayed when you select the decode area.

3) Adjust the duplicate position using the position cursor.

Note

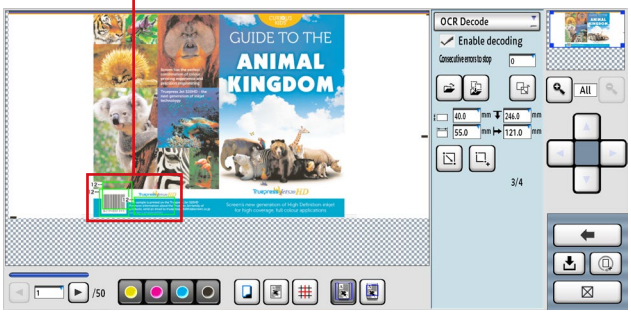
The entry fields show the movement amount of the duplicated decode area when the position cursor is pressed. If you want to change the movement amount, press on the entry field and use the keyboard to enter the desired movement amount. Then press  .

4) Press the confirmation button.

Note

If you press the cancel button, the decode area duplication ends without any decode areas being duplicated.

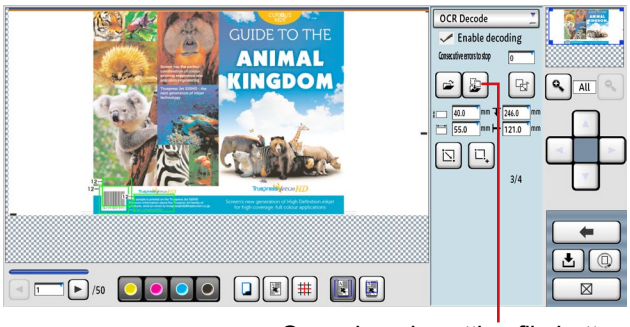
Decode area



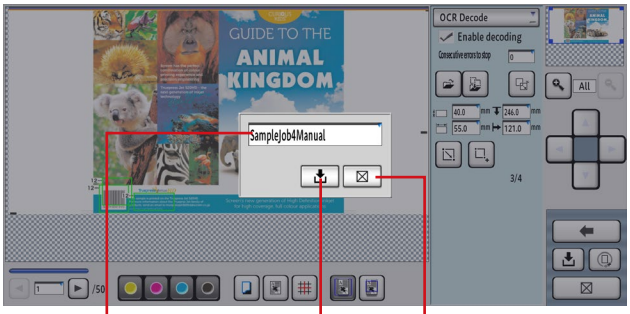
A new decode area is duplicated.

3.3.6 Loading and saving the decode setting file

You can save and reuse the decode settings such as the decode areas you created.



Save decode setting file button



Confirmation button

Cancel button

Decode setting file name

■Saving the decode setting file

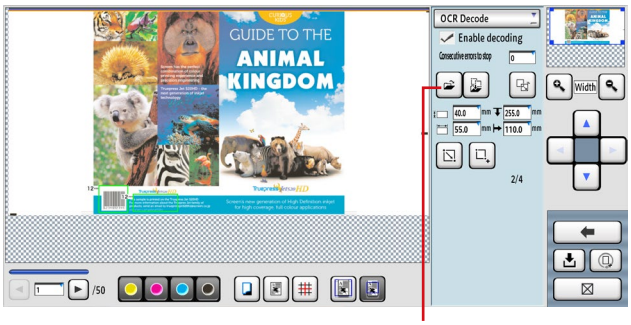
Operation

1) Press the save decode setting file button

   The decode setting file saving dialog box is displayed.
2) Select the decode setting file name entry field by pressing it.
3) Enter the decode setting file name using the keyboard, and then press  .
4) Press the confirmation button.

Note

If you press the cancel button, the decode setting file saving dialog box closes without the decode setting file being saved.



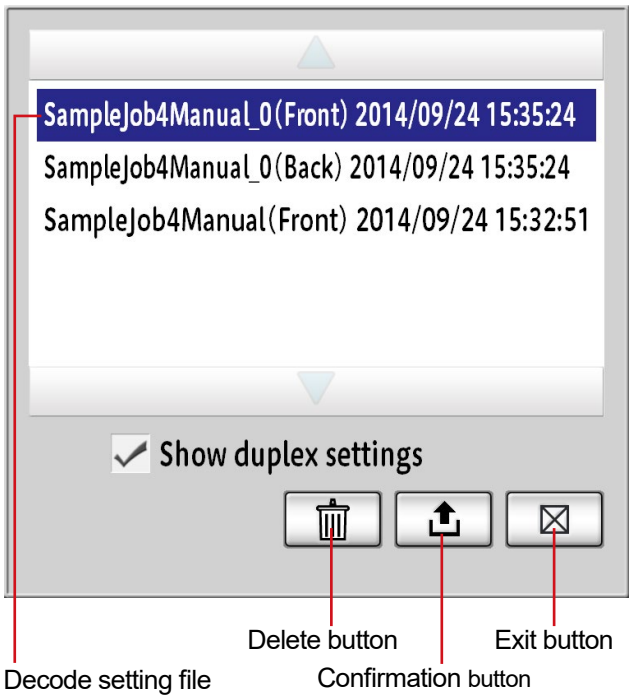
■Loading the decode setting file

Operation

1) Press the load decode setting file button.

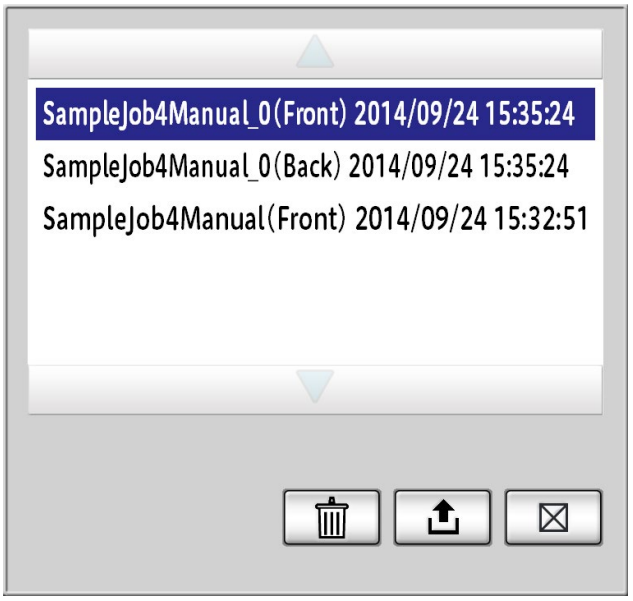
The decode setting file loading dialog box is displayed.

2) Select a decode setting file.



Note

If you load a duplex template into a simplex job, check the “Show duplex settings” check box. Select the template name (Front) and the template name (Back) that are displayed.



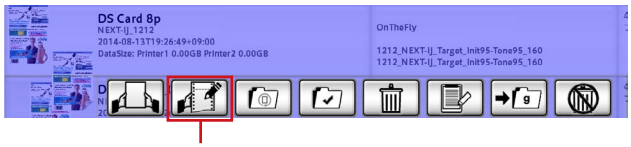
3) Press the confirmation button.

Note

- If you load a decode setting file before saving the decode settings that are being edited, a confirmation dialog box is displayed. If you press “OK”, the decode settings that are being edited will be cleared. Press “Cancel” and save the decode settings, and then load the decode setting file.
- If you press the cancel button, the decode setting file loading dialog box closes without the decode setting file being loaded.
- To delete a decode setting file, select the target decode setting file and then press the delete button.

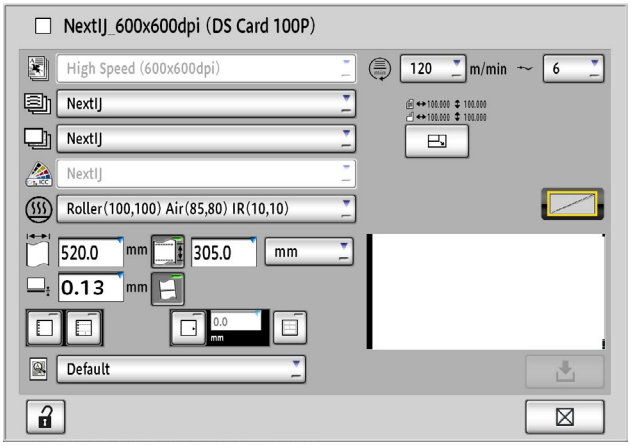
3.4 Print condition settings screen

The print condition settings screen allows you to set the conditions for printing.



Print condition setting button

When you select a job and press the print condition setting button in the main screen, the print condition settings screen is displayed.



For more information on the settings, see “5.3.1 Setting print conditions” in Chapter 5.

Note

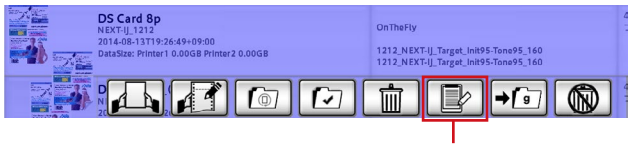
Following message will be displayed when editing jobs in print queue.

“Copy changes to other jobs in continuous printing?“

Press ‘No’ to save changes to current job only. Press ‘Yes’ to save changes to all jobs in continuous printing batch.

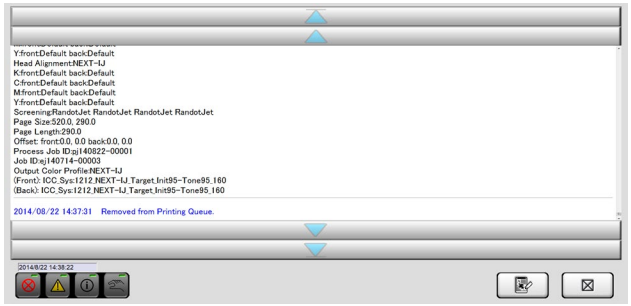
3.5 Job log screen

The job log screen allows you to check job related information such as errors.



Display job log button

When you select a job and press the display job log button in the main screen, the job log screen is displayed.



Messages are displayed by type in different colors in the job log screen as shown below.

Error : Displayed in red when is on.

Warning : Displayed in yellow when is on.

Information : Displayed in black when is on.

Operation : Displayed in blue when is on.

If you turn the buttons above off, their corresponding messages are not displayed.

Scroll buttons

When you press or , the screen scrolls to the top or bottom of the display.

When you press or , the screen scrolls up or down by one line.

Print history : When you press , the print history screen is displayed. For more information, see “3.6 Print history screen”.

Note

The ink consumption log is not always accurate. Please use these values as reference.

3.6 Print history screen

The print history screen allows you to check the job print history.

When you press [icon] in the job log screen, the print history screen is displayed.

Messages are displayed by type in the print history screen as shown below.

Finished : Displayed when [icon] is on.

Aborted : Displayed when [icon] is on.

Error : Displayed when [icon] is on.

In progress : Displayed when [icon] is on.

If you turn the buttons above off, their corresponding print histories are not displayed.

When you press the year and month indication, the print logs for the last month are displayed.

When you press a thumbnail, the corresponding job log is displayed.

Scroll buttons (up/down)
Left: Scrolls up or down by one line.
Center: Scrolls to the previous or next day's log.
Right: Scrolls to the top or bottom.

Log : When you press [icon], the log screen is displayed. For more information, see "3.5 Job log screen".

Chapter 4

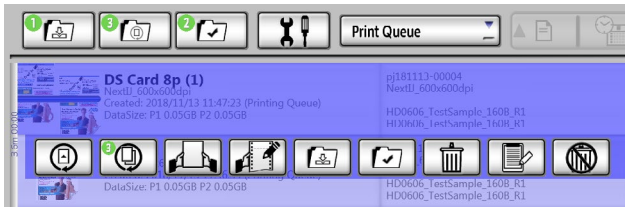
Job Processing

4.1 Job Processing

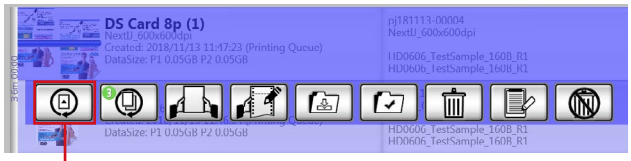
4.1.1 Processing a job from the job selection screen

When job setting has been completed, select a job from the job selection screen and start processing it.

Operation

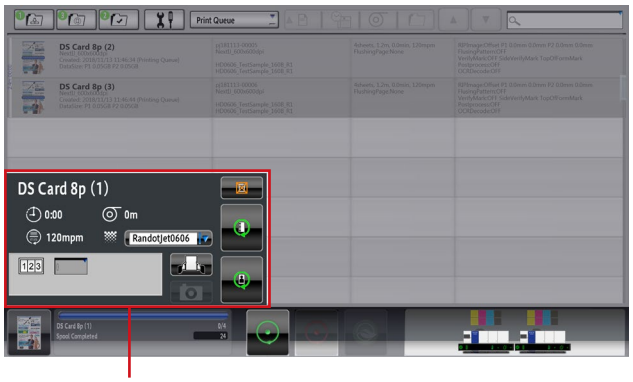


1) Select a job from the job selection screen.



Run button

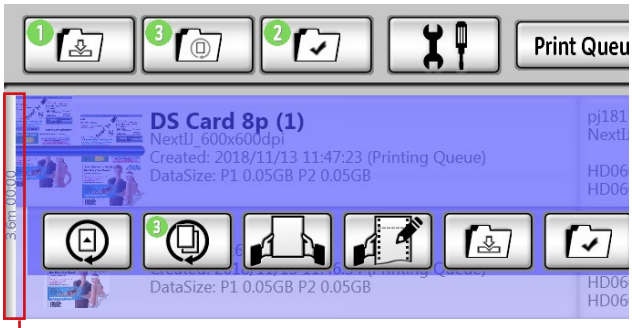
2) Press the run button.



Printing screen

The printing screen is displayed, allowing you to start printing. For more information, see “4.2 Printing”.

4.1.2 Continuous printing

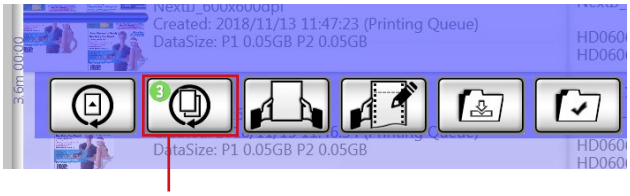


Marker

The continuous printing function allows you to continuously output multiple jobs with the same print conditions. With this function, wasted paper and waiting time between jobs can be reduced.

When you register a job to the “Print Queue” folder, if the jobs with the same print conditions are listed consecutively, continuous printing will be set automatically. A marker is displayed for the range of the target jobs to be printed continuously.

The required roll length and printing time can be confirmed on the marker.



Start continuous printing button

When you press the start continuous printing button for the jobs registered to the “Print Queue” folder, continuous printing starts.

Note

- Continuous printing is performed for jobs that satisfy all of the following conditions with respect to the first job in the print queue screen.
  - Jobs registered to the print queue screen
  - Same print conditions (same parameter settings in the print conditions even if the print condition name is different)
  - Same accessories (flushing pattern, post-processor mark, side verify mark)
  - Same color separations to be used for printing

Note

- Even when the print conditions are the same, if an unreay RIP and Hold job is present between the jobs, continuous printing cannot be performed.

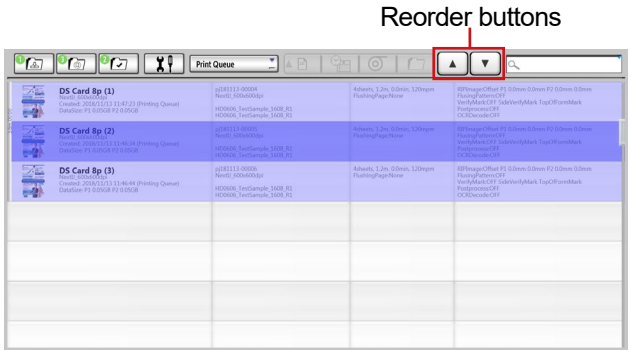
  Example:

  1. On-the-fly job
  2. RIP and Hold job (ready for printing)
  3. On-the-fly job
  4. Unready RIP and Hold job
  5. On-the-fly job

  Only jobs 1 to 3 will be printed continuously. If you wish job 5 to be included in the continuous printing of jobs 1 to 3, move it to the job 4 position using the reorder button. For more information, see “4.1.3 Changing the order of jobs in the print queue screen”.

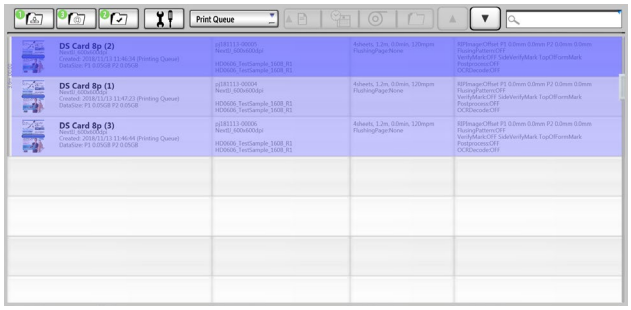
4.1.3 Changing the order of jobs in the print queue screen

For continuous printing, printing normally starts from the job displayed at the top of the job display section. When you select a job and press the reorder buttons, you can change the selected job's position in the print queue.



Operation

1) In the print queue screen, select the job whose printing order you would like to change.
2) Press the desired reorder button.
   If you press ▲, the job is moved up (earlier) in the print queue, and if you press ▼, the job is moved down (later) in the print queue.



The job printing order is changed.

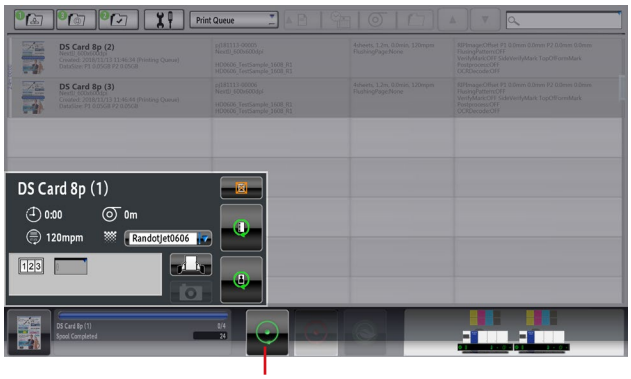
Note

- When continuous printing is activated, the settings for the first job will be applied to the flushing sheet count before/after the job and the number of postprocessor mark sheets.
- If you reorder a job that is being spooled, RIP processing for the job will be cancelled.

4.2 Printing

When processing of a job is started, the printing screen is displayed, allowing you to start printing.

4.2.1 Starting printing

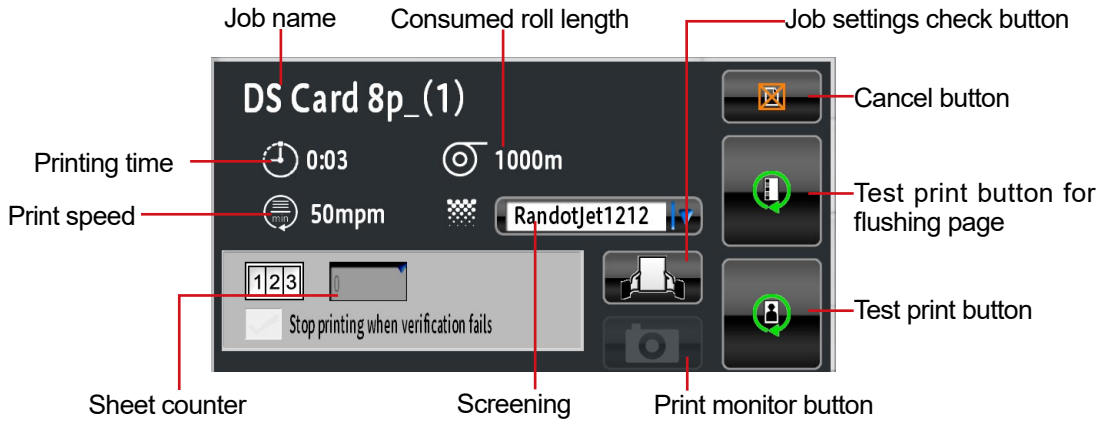


Start printing button

Operation

When you press the start printing button, printing starts.

4.2.2 Printing screen



■Job name

The name of the job that is being printed is displayed.

■Printing time

The time since the start of printing is displayed.

■Print speed

The print speed of the job is displayed. The actual feeding speed will be displayed during printing.

■Consumed roll length

The length of paper used for the job is displayed.

■Screening

You can change the type of screening.

■Sheet counter

The number of printed pages is displayed. If you enter a sheet number before starting reprinting, the printing starts from the next sheet.

■Stop printing when verification fails

If the “Stop printing when verification fails” check box is selected, printing stops when a side verification error occurs.

■Job settings check button

When you press the job settings check button, the job settings screen is displayed for checking the current settings.

To change the job settings, you must press the cancel button to terminate the job.

For more information, see “3.1 Job settings screen”.

■Print monitor button

This button is available only when JetInspection RTM&NC option is installed.

When you press the print monitor button, the print monitor screen is displayed.

If the print monitor screen includes an inspection error image, the color of the print monitor button changes.

For more information, see “4.3 Print monitor”.

■Cancel button

When you press the cancel button, the printing stops and the job is returned to the print queue.

■Test print button for flushing page

When you press this button, flushing pages are printed. This button should be used to check the printing results of the flushing pages. Holding this button down will display a setting screen to set the number of sheets to be printed.

■Test print button

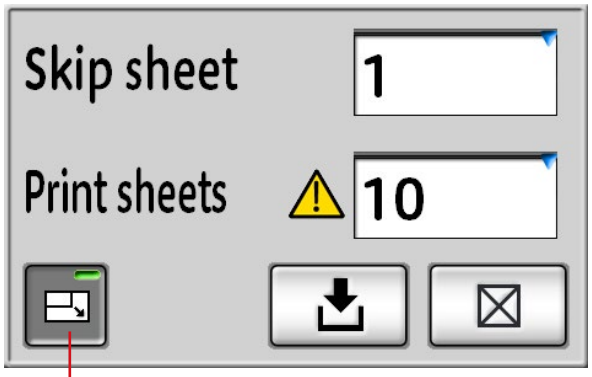
When you press this button, job pages are printed as a test. This button should be used to check the printing results. When cleaning or paper feeding is running, this button behaves as reserve.

When you press and hold the test print button, the page settings screen is displayed. This screen allows you to set the start page number (1 to 200) and the number of pages (1 to 99) to be printed.

4.2.3 Automatic Scaling Adjustment button

This feature is available when JetInspection RTM&NC option is enabled.

Press and hold the test print button to display the following page setting dialog. Press the automatic scaling adjustment button to adjust scaling setting automatically after running test print.



Automatic scaling adjustment button

Operation

1) Press the automatic scaling adjustment button. An alert icon will be displayed next to the print sheets setting when sheet count is not large enough for automatic adjustment. Touch the icon to display required sheet count.
2) Press the save setting button to close dialog. Press the test print button to start test printing. When test print completes, scaling adjustment settings will be updated automatically.

4.3 Print monitor

The print monitor function is available when JetInspection RtM&NC option is installed.
The print monitor screen shows the printing status and inspection state (nozzle clogging, decode, print image) of the job that is being printed. It is also possible to enlarge the display of the location detected during image inspection and check it or set a temporary mask for the defect.
Use JI Client for checking defect locations after completing the printing. For more information, see “Chapter 6 JI Client”.

4.3.1 Print monitor screen

The images captured by the camera are displayed.

■Sheet image (front side/back side)

This area shows shot images of the job that is being printed. 16 sheets are displayed for each side.

Note

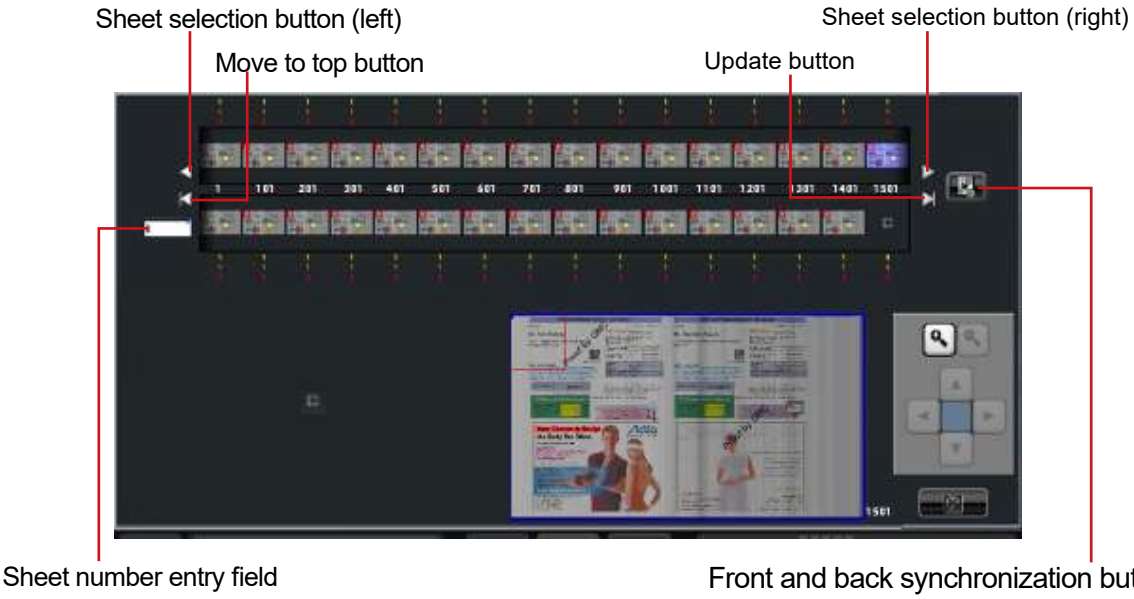
The back side information is displayed only when a duplex printing job is printed.

■Defect detection rate (front side/back side)

This area shows the defect detection rate from image inspection in figures.
The defect detection rate is indicated using figures and colors (yellow, orange, red) for the defect areas displayed in the corresponding sheet image. Defect detection rate for each color can be set at JetInspection screen.

Note

When you press ⚠, the latest defect will be selected.



■Sheet selection

Press the sheet selection button to select a sheet to be displayed.

You can also select a sheet by specifying the sheet number directly.

Operation

1) Press the sheet number entry field.
2) Enter a sheet number using the numeric keypad, and then press .

• Move to top button

When you press the move to top button, you can return to the top sheet.

• Update button

When you press the update button, you enable automatic update of the sheets and the latest sheet image is always displayed on the right side.

Note

The automatic update stops if any of the following operations is performed.

- Selecting a sheet image other than the one on the right side
- Pressing the sheet selection button (left) or the move to top button
- Changing a sheet by specifying the sheet number

■Front and back synchronization button

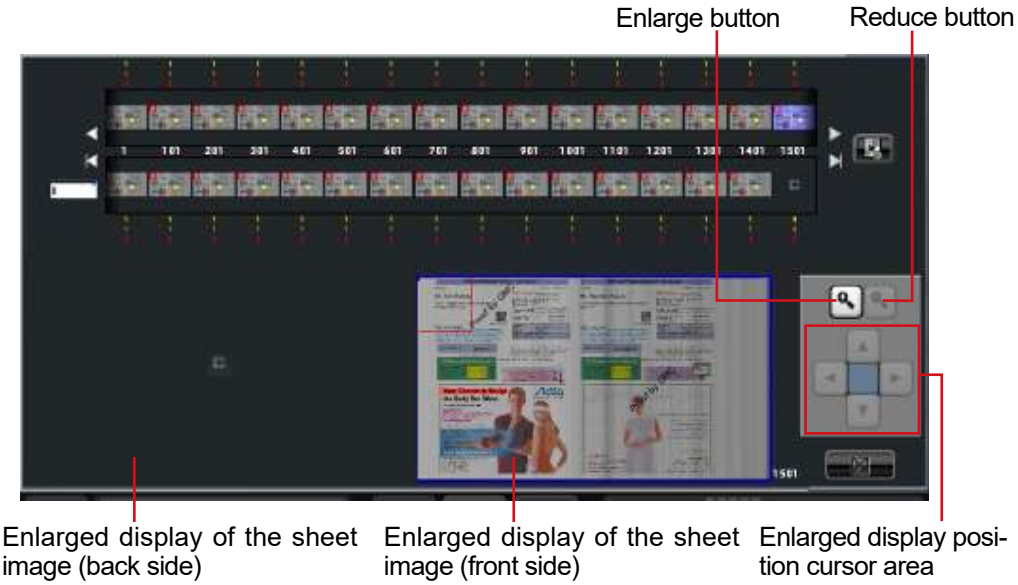
When the front and back synchronization button is selected, the sheets are updated after both the front and back sheet images have been created.

Note

The back side information is displayed only when a duplex printing job is printed.

4.3.2 Enlarging the display

When you press a sheet image, its enlarged image is displayed in the lower section of the screen.



■Enlarged display of the sheet images (front side/back side)

• Defect area

Defect areas are indicated by yellow, orange, and red rectangles. When you press any of the rectangles, the temporary mask setting screen is displayed. Refer to “4.3.3 Temporary mask setting screen” for details.

• Temporary mask area

This area is indicated by a green rectangle. When you press this rectangle, the button to cancel the temporary mask setting is displayed in a popup window.

Note

To save the deleted temporary mask in the printing setting, press the defect area to display the temporary mask setting screen and press the exit button. When the confirmation dialog box is displayed, press “Yes”.

• Decode area

This area is indicated by a blue rectangle. When you press this rectangle, the decoding results are displayed.

• Eliminated area

This area is indicated by a gray rectangle. For more information, see “5.13 JetInspection”.

• Nozzle clogging check zone

Nozzle clogging zones are displayed in purple rectangle with subject color indicated by ▼ icon.

Note

When JetInspection Full Variable Inspection option is not available, the latest nozzle clogging zones will be displayed over all sheet images.

When JetInspection Full Variable Inspection option is available, nozzle clogging zones will be displayed only on NozzleChecker sheet images.

■Enlarging/reducing an image

When you press the enlarge or reduce button, you can enlarge or reduce the display of the sheet image.

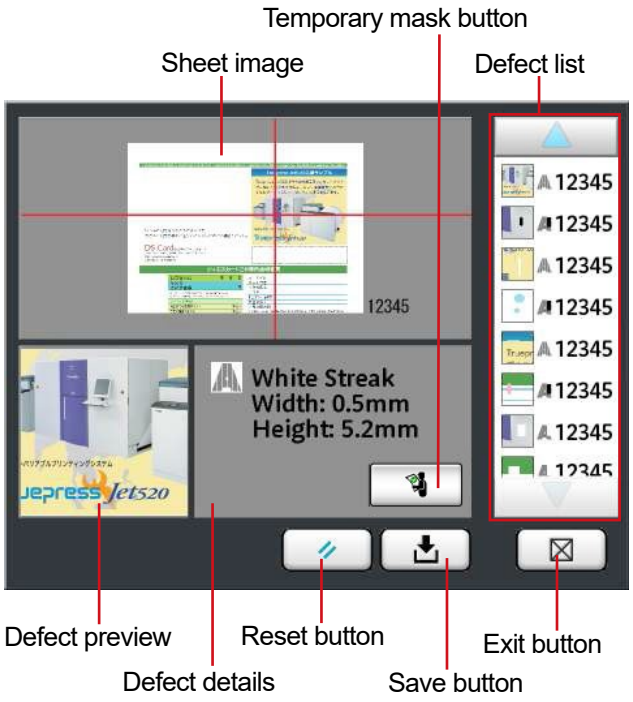
■Changing the enlarged display position of the image

When you enlarge a sheet image, the buttons in the enlarged display position cursor area are available for use.

You can move the enlarged display area by pressing the up, down, left, or right arrow buttons in the enlarged display position cursor area.

4.3.3 Temporary mask setting screen

This screen allows you to set the detected defect as a temporary mask area.



■Defect list

Allows you to select the defect to be displayed.

■Sheet image

The sheet image of the defect selected in the defect list is displayed. The center of the cross cursor represents the defect position.

■Defect preview

This area displays an enlarged image of the defect.

■Defect details

The type, width, and height of the defect are displayed.

The defect types are as follows.

Blot

Lack

White streak

Streak blot

• Temporary mask button

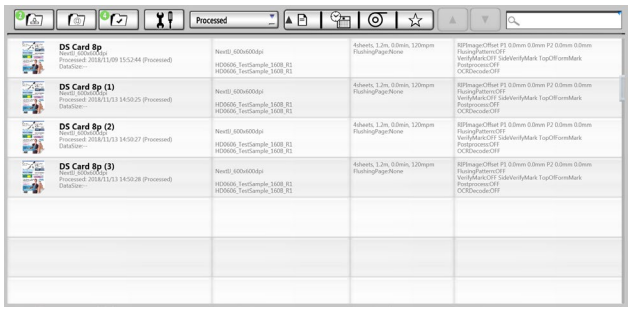
When you press the temporary mask button, the currently selected defect is temporarily masked and the defect list is updated.

Note

- When you press the save button, the current settings are saved.
- When you press the exit button, a confirmation dialog box is displayed if you have modified any setting. When you press “OK”, the settings made are saved and the print monitor screen is displayed again.
- When you press the reset button, the default settings are restored.
- The temporary mask of the print condition set here can be deleted in “Temporary Mask” of the system settings. For more information, see “5.13.3 Temporary mask” in Chapter 5.

4.4 Processed job list screen

Jobs that have been printed are moved to the “Processed” folder (processed job list screen).



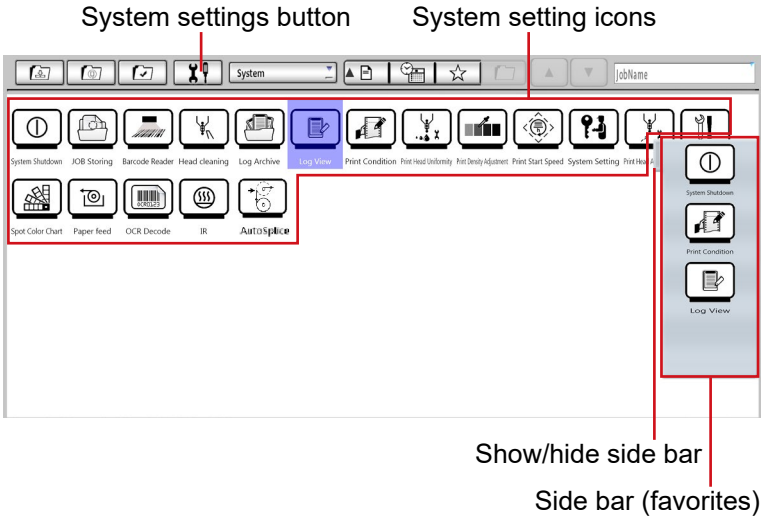
While in the “Processed” screen, you can also return a selected job to the job settings or layout settings screen to edit it, or print a job.

Chapter 5

System Settings Screen

5.1 Displaying the system settings screen

The system settings screen is used to make a variety of settings and adjustments to the system.



Operation

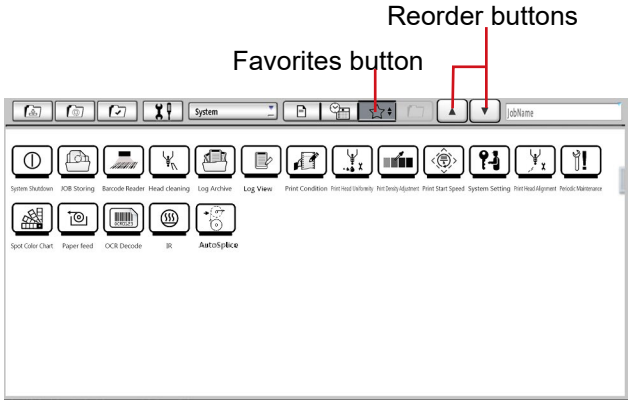
1) Press the system settings button.
2) Press the icon of the function you wish to execute or make settings from the system setting icons in the job display area.

Note

Up to four system setting icons can be registered to the side bar (favorites).
Each time you press the show/hide side bar tab, the side bar (favorites) is displayed or hidden in the job display area.

5.1.1 Changing the order of system setting icons

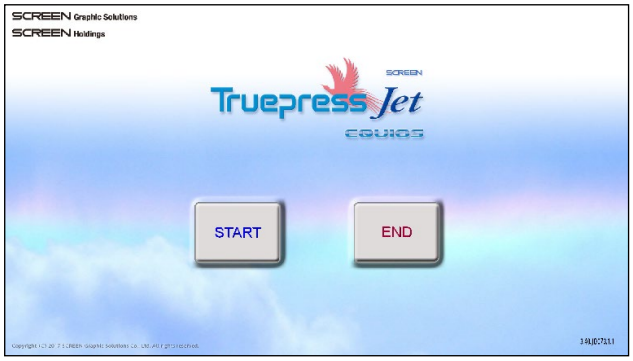
You can change the order of system setting icons.



Operation

1) Press the favorites button.
   The favorites mode screen is displayed.
2) Press the favorites button again.
   The reorder buttons become active.
3) Select the system setting icon whose position you wish to change.
4) Press the desired reorder button.
   If you press ▲, the icon is moved to the left, and if you press ▼, the icon is moved to the right.

5.2 Shutting down the system

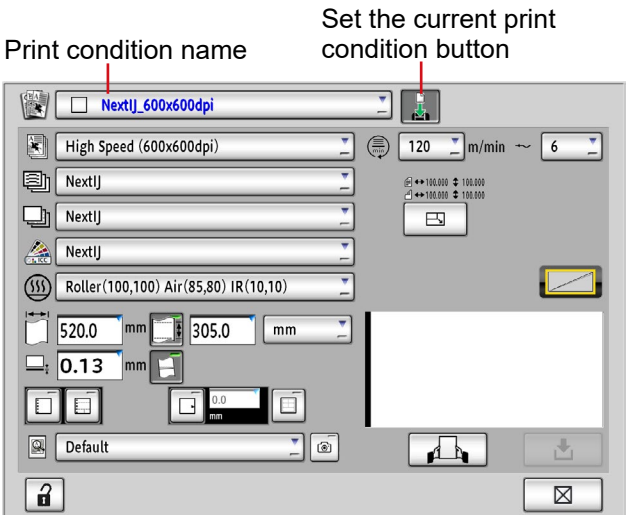


When you press the “System Shutdown” icon, the initial screen is displayed.
You cannot shut down the system while a job is being processed.

5.3 Print settings

5.3.1 Setting print conditions

You can set print conditions for each paper type and print mode to be used.
Once the print conditions have been set, the name of the print conditions is displayed in the print condition list of the job in EQUIOS.



■Print condition name

This field shows the print condition name that is being displayed.
The current print condition name is displayed in blue.

Operation

To change the print conditions displayed, press ▼ to the right of the print condition name and select a new name.

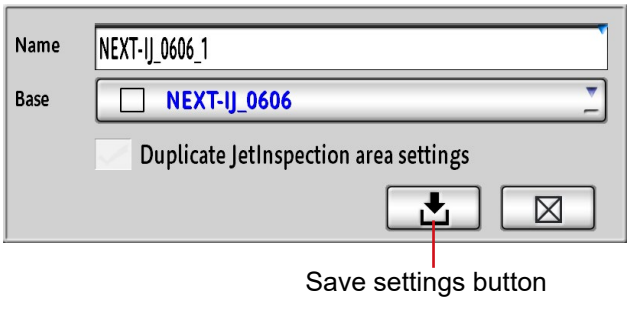
Note

When you have selected a job from the job list to display the print condition settings screen, the print condition cannot be changed.
The print condition name is displayed as “print condition name (job name)”.

• Registering a new print condition name

Operation

1) To register a new print condition name, select “Add...” from the pull-down list of the print condition names.
2) The registration dialog box is displayed. Enter the print condition name to the “Name” field using the keyboard, and then press .



Note

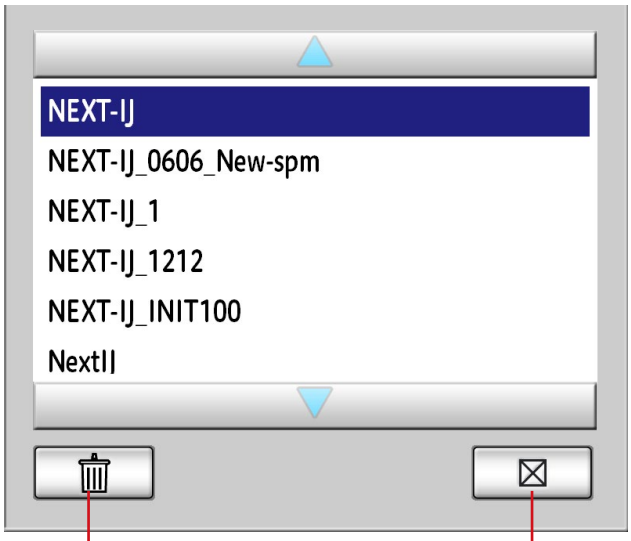
As the print condition name is displayed and referred to when setting a job or job template in EQUIOS, we recommend that you use a name related to the job to be printed.

3) Select the print condition name you wish to duplicate from the “Base” pull-down list.

Note

When JetInspection OCR Barcode option is installed, the “Duplicate JetInspection area settings” check box is displayed. Select this check box if you would like to also duplicate the information about the decode settings, temporary mask, and eliminated area.

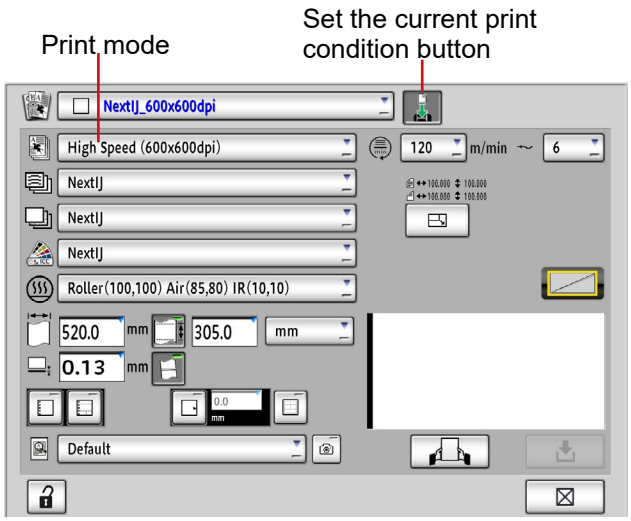
4) Press the save settings button.
5) The new print condition name is added to the print condition name list.



• Deleting a print condition name

Operation

1) Select “Delete” from the print condition name list.
2) The list of print condition names is displayed. Select the print condition name you wish to delete.
3) A confirmation dialog box is displayed. Press “Yes”.
4) Press the delete button.



■Set the current print condition button

This button is ON when the current print condition is selected in the list of the print condition names.

Changing the list of the print condition names also changes the button status to OFF. However, if you press the button, the newly selected print condition will be set as the current print condition.

■Print mode

Operation

Press ▼ to the right of the print mode button and select a print mode.

Super Fine (1200 x 1200 dpi)

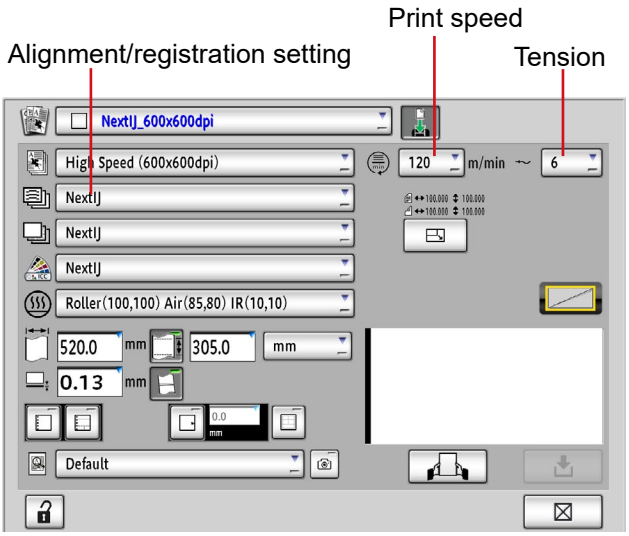
Standard (1200 x 600 dpi)

High Speed (600 x 600 dpi)

High Speed2 (600 x 600 dpi)　(option)

Note

When you have selected a job from the job list to display the print condition settings screen, the print mode cannot be changed.



■Print speed

Operation

Press ▼ to the right of the print speed and select a print speed.

Available print speeds vary depending on the print mode.

■Tension

Operation

Press ▼ to the right of the tension and select a tension.

■Alignment/registration setting

Operation

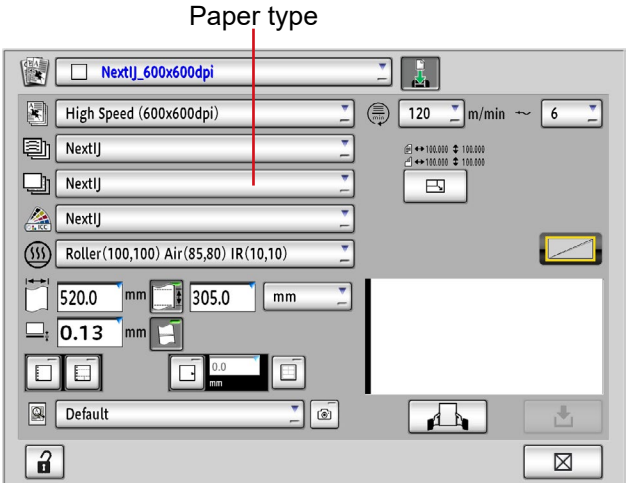
Press ▼ to the right of the alignment/registration setting and select an alignment and registration setting.

Note

To register a new alignment/registration setting, see “Registering new alignment setting / paper type”.

After registering the new setting, perform printhead alignment.

For more information, see “5.4 Printhead alignment”.



■Paper type

Operation

Press ▼ to the right of the paper type and select a paper type.

Note

To register a new paper type, see “Registering a new alignment setting / paper type”.

After registering a new paper type, perform a printhead uniformity and print density adjustment. For more information, see “5.5 Printhead uniformity” and “5.12 Print density adjustment”.

Save settings button

■Registering a new alignment setting / paper type

Operation

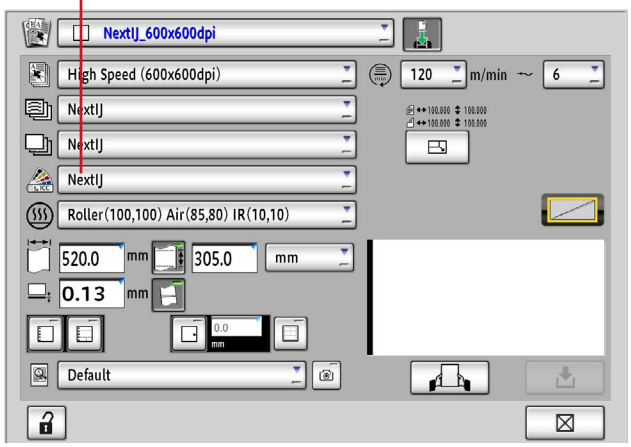
1) To register a new alignment setting / paper type, select “Add...” from the pull-down list of the alignment settings / paper types.
2) The registration dialog box is displayed. Enter the alignment setting / paper type name to the “Name” field using the key-board, and then press .
3) Select the alignment setting / paper type name you wish to duplicate from the “Base” pull-down list.
4) Press the save settings button.
5) The new alignment setting / paper type name is added to the alignment setting / paper type name list.

Note

After registering the new alignment/registration setting, perform printhead alignment. For more information, see “5.4 Printhead alignment”.

After registering a new paper type, perform printhead uniformity and print density adjustment. For more information, see “5.5 Printhead uniformity” and “5.12 Print density adjustment”.

ICC preset



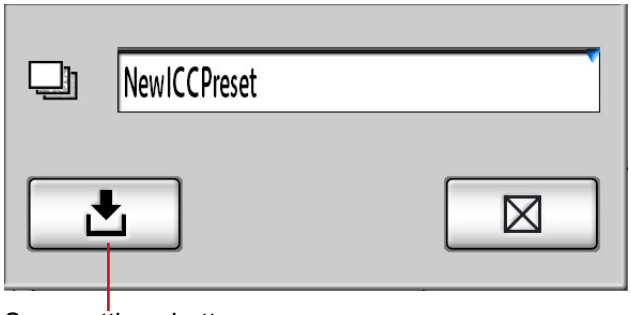
■ICC preset

Operation

Press ▼ to the right of the ICC preset and select an ICC preset.

Note

When you have selected a job from the job list to display the print condition settings screen, the ICC preset cannot be changed.

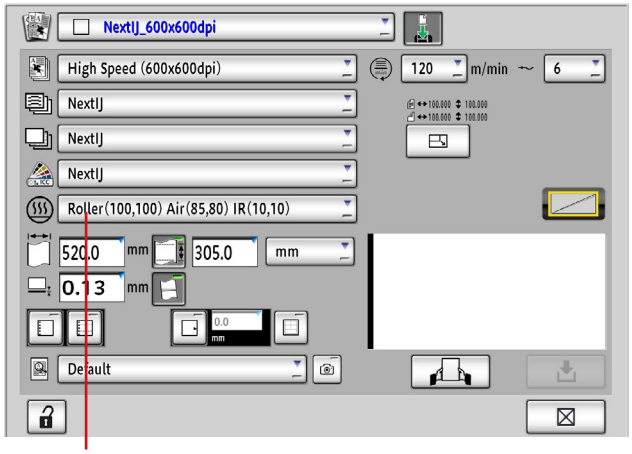


Save settings button

• Registering a new ICC preset

Operation

1) To register a new ICC preset, select “Add...” from the pull-down list of the ICC preset.
2) The registration dialog box is displayed. Enter the ICC preset name to the “NewICCPreset” field using the keyboard, and then press .
3) Press the save settings button.
4) The new ICC preset name is registered to the ICC preset list.
5) Register ICC profiles to the ICC preset in the EQUIOS Center (MediaAdminTool).

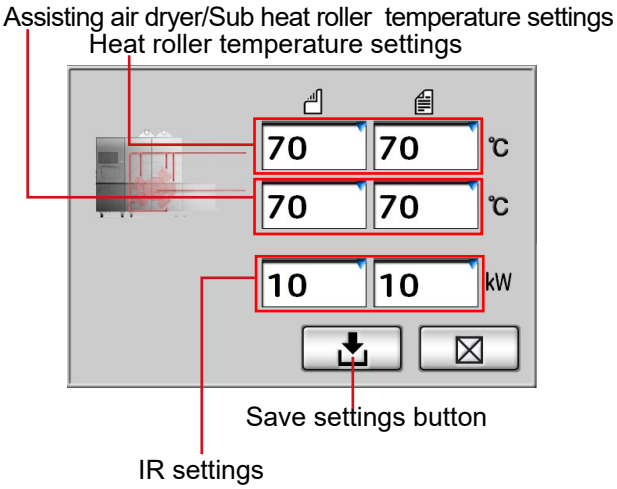


Dryer temperature setting

■Dryer temperature setting

Operation

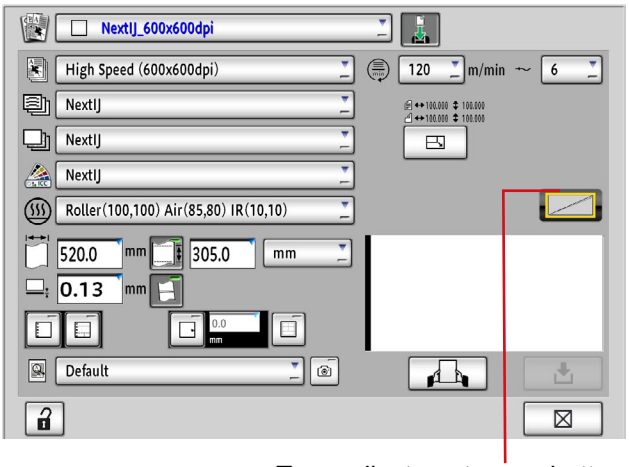
Press ▼ to the right of the dryer temperature setting and select a dryer temperature setting.



• Registering a new dryer temperature setting

Operation

1) Press ▼ to the right of the dryer temperature setting and select a dryer temperature setting.
2) The registration dialog box is displayed. Press the temperature setting entry field, enter a temperature using the numeric keypad, and then press .
3) Press the save settings button.



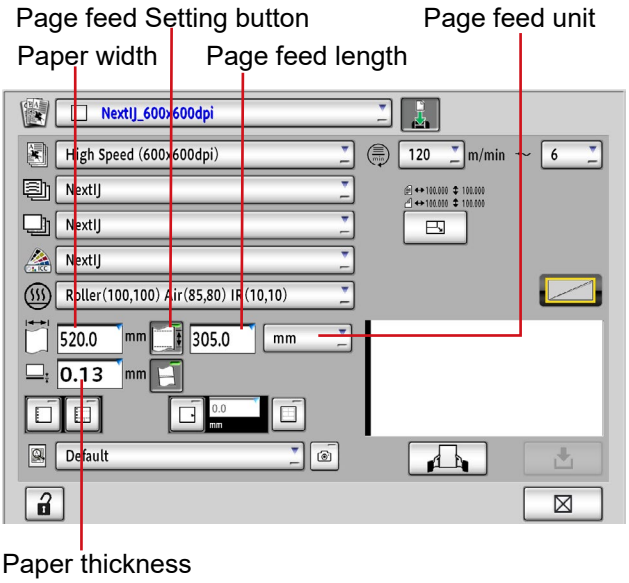
■Tone adjustment curve button

When you press the tone adjustment curve button, the tone adjustment screen is displayed in which you can specify a tone adjustment curve to perform simple color adjustment.

For more information, see “5.3.2 Tone adjustment screen”.

Note

If a tone curve other than the default is set, the button frame is colored.



■Paper width / Page feed length

• Paper width

Operation

Press the paper width entry field, enter a paper width using the numeric keypad, and then press .

• Page feed length

Operation

1) To specify the page feed on the printer, press the page feed setting button to turn it ON.
2) Select the page feed unit from “mm”, “inch”, “1/2 inch”, and “1/6 inch”.
3) Press the page feed length entry field, enter a page feed length using the numeric keypad, and then press .

Note

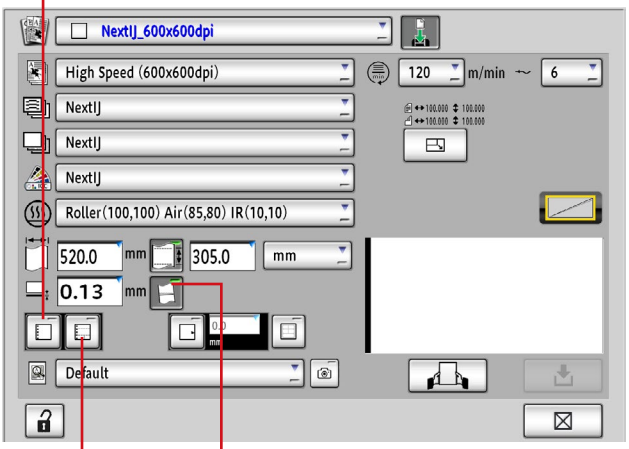
If “0” is entered in the page feed length field, the page feed length for the job will be used.

■Paper thickness

Operation

Press the paper thickness entry field, enter a paper thickness using the numeric keypad, and then press .

Button for paper with tractor holes only



Dynamic nozzle shift button

Button for paper with tractor holes and perforations

■Dynamic nozzle shift button

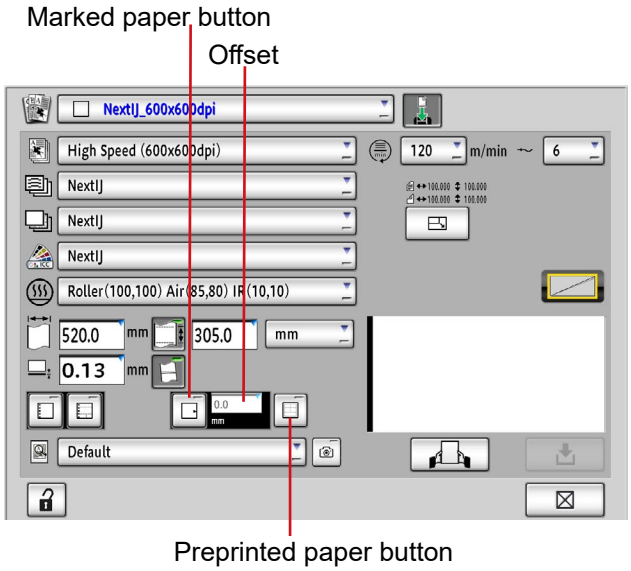
This function automatically corrects misregistration between colors that occurs due to web wandering of the paper. Set this button to ON usually.

■Tractor hole / perforation setting

Make settings when there are tractor holes or perforations in the paper.

Operation

1) When there are only tractor holes in the paper, press the button for paper with tractor holes only to turn it ON.
2) When there are tractor holes and perforations in the paper, press the button for paper with tractor holes and perforations to turn it ON.
3) If the paper has perforations at a regular interval, press the pattern repetition button, enter the number of repetitions (other than “1”) using the numeric keypad, and then press .



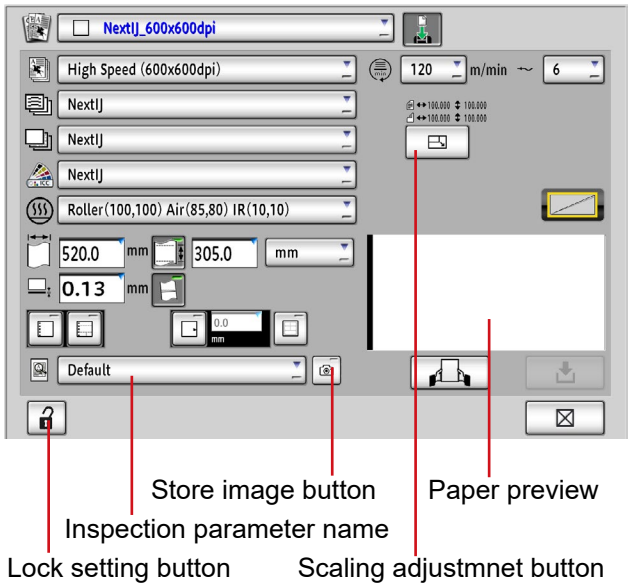
■Paper type (marked paper button, preprinted paper button)

Operation

1) When there are preprinted marks on the paper, press the marked paper button to turn it ON.
2) After the marked paper button is turned ON, press the offset entry field, enter an offset value in the cross-machine direction of the preprinted mark using the numeric keypad, and then press  .
3) To use preprinted paper, press the preprinted paper button to turn it ON.

Note

You can switch between the front side and back side by pressing and holding the marked paper button.



■Paper preview

This area shows a paper preview image according to the set print conditions.

■Inspection parameter name

The inspection parameter name is displayed only when JetInspection Full Variable Inspection option is installed.

Operation

Press ▼ to the right of the inspection parameter name and select an inspection parameter name.

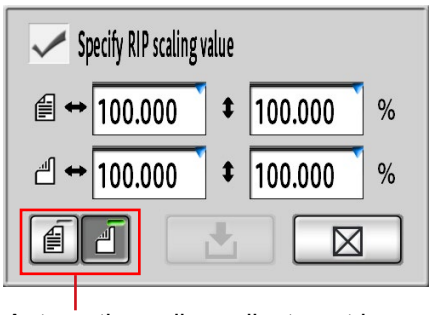
For more information, see “5.13.2 Inspection parameter settings”.

■Store image button

This button is available for use when JetInspection All Sheet Image Storage option is installed.

When this option is enabled, JetInspection will store all sheet images scanned during printing.

Stored images can be viewed using JI Client. For more information, see “6.4 Viewing stored images”.



Automatic scaling adjustment base side

■Scaling adjustment button

Press this button to display scaling adjustment dialog.

■Scaling adjustment dialog.

Operation

1) Enable “Specify RIP scaling value”.
2) Set the scaling values.
3) Press the save settings button.

Note

Scaling settings will be applied to EQUIOS Client screen.

■Automatic scaling adjustment base side

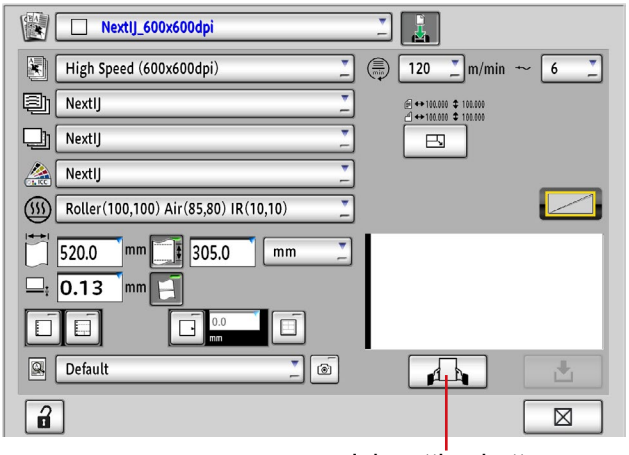
This setting will be available when JetInspection RTM&NC option is enabled. Select the base side for scaling adjustment.

■Lock setting button

This button is available for use when “Expert” is selected for the user mode.

Operation

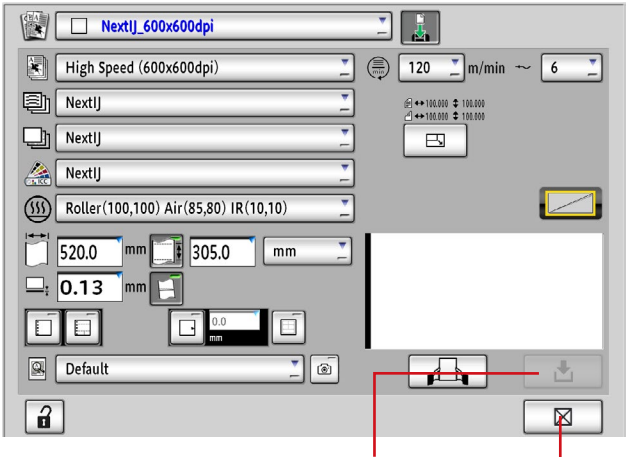
To prevent the print condition settings from being changed, press the lock setting button to turn it ON.



Job setting button

■ Job setting button

This button is used to check or set the job settings and layout settings in the printing conditions. Note that the contents and button arrangement in the screen are different from those in the screen that appears when you press the job setting button from the job selection screen. For more information about the job settings and layout settings, see “Chapter 3 Job Operations”.



Save settings button Exit button

■Exiting the setting screen

1) When you have finished making settings in the print condition settings screen, press the save settings button.

Note

If you press the exit button without pressing the save settings button, the following confir-

mation message is displayed.

“Changes have not been saved.
Discard changes and continue?”

Any changes you have made to the settings are cancelled and the system settings screen is displayed again.
(When you have selected a job from the job list to display the print condition settings screen, the job list is displayed again.)

2) A confirmation dialog box is displayed.
Press “OK”.
This updates the print condition settings and returns you to the system settings screen.
(When you have selected a job from the job list to display the print condition settings screen, the job list is displayed again.)

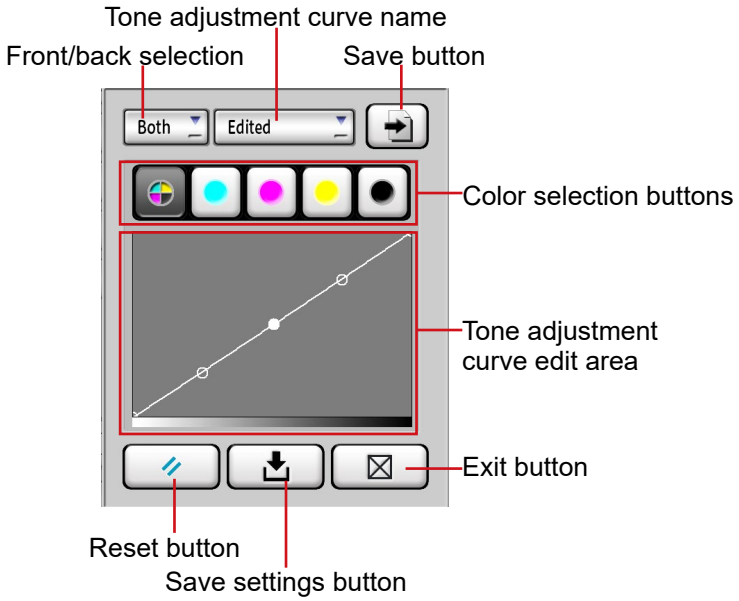
Note

When you have selected a job from the job list to display the print condition settings screen, the following confirmation message is displayed.

“Changes will be reflected to this job only.”

5.3.2 Tone adjustment screen

The tone adjustment screen is used to perform color management easily by specifying the tone adjustment curve.



■Front/back selection

This option allows you to select the front or back side when a duplex printing system is used.

■Tone adjustment curve name

This option allows you to call up any tone adjustment curve that has been saved.

Note

"HDmonoStandard" curve is preinstalled for TP-J520HD mono.

■Save button

When you press this button, the edited tone adjustment curve is saved under a desired name. The tone adjustment screen is not closed, and you can continue the editing.

■Color selection buttons

These buttons allow you to select the color to be edited.

■Tone adjustment curve edit area

This area displays a tone adjustment curve. The curve can be edited.

■Reset button

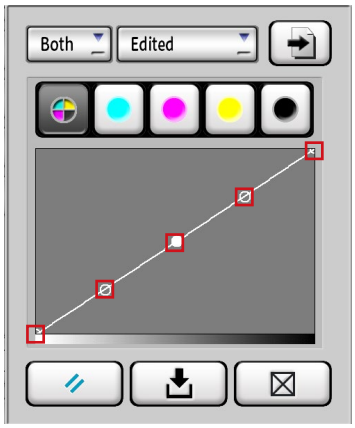
When you press the reset button, the data is restored to its original state.

■Save settings button

When you press this button, the edited tone adjustment curve is saved under a desired name. After the save, the tone adjustment screen is closed.

■Exit button

When you press the exit button, the corrections made are canceled and the tone adjustment screen is closed.

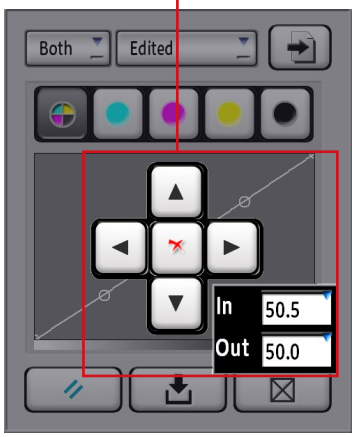


■Editing a tone adjustment curve

Operation

1) Press a circle in the tone adjustment curve edit area.
   The color adjustment cursor is displayed.
   The selected part can be edited.

Color adjustment cursor



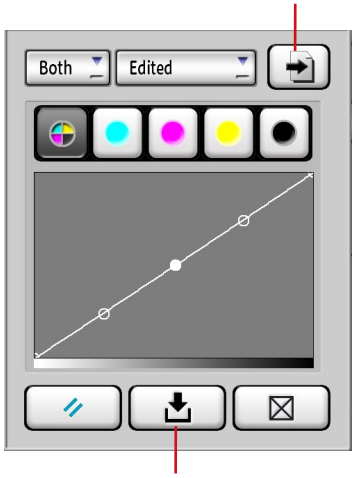
2) Edit the tone adjustment curve using the color adjustment cursor.
   If you press an area outside the color adjustment cursor, the color adjustment cursor disappears.

Note

- It is also possible to enter adjustment values in the entry fields to the right of “In” and “Out” using the numeric keypad.
- When you press , the tone adjustment curve is restored to its original state.

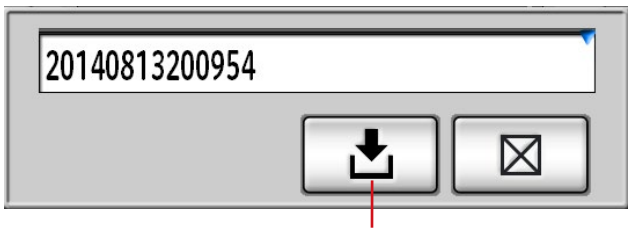
3) Press the save button or the save settings button.

Save button



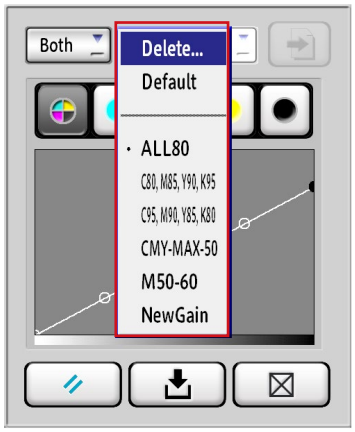
Save settings button

4) Enter the tone adjustment curve name using the numeric keypad, and then press .



Save settings button

5) Press the save settings button.
The edited tone adjustment curve is saved.



■Calling up the tone adjustment curve

The saved tone adjustment curve can be called up.

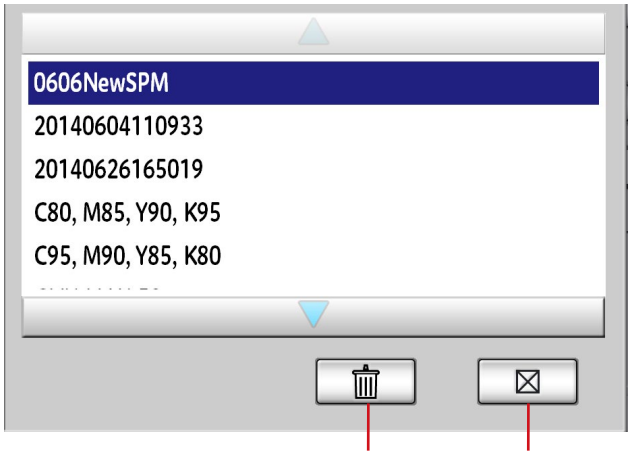
Operation

Press ▼ to the right of the tone adjustment curve file name and select a tone adjustment curve.

■Deleting a tone adjustment curve

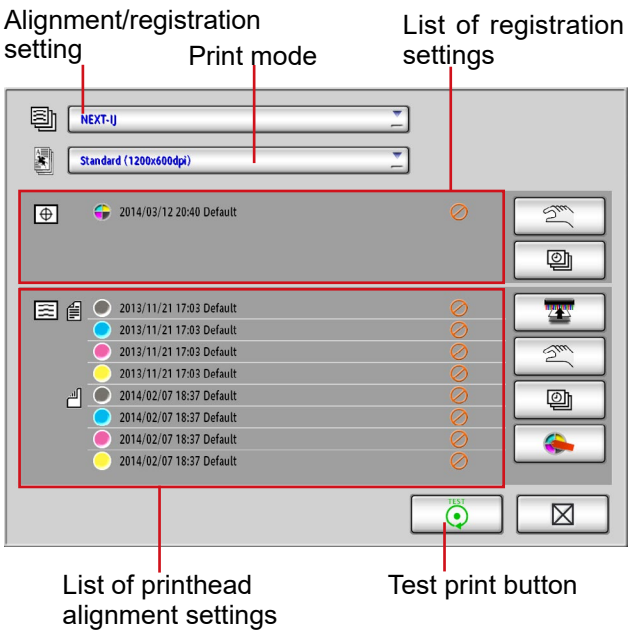
Operation

1) Select “Delete…” from the tone adjustment curve name pull-down list.
2) The list of tone adjustment curve names is displayed. Select the tone adjustment curve name you want to delete.
3) Press the delete button.
4) Press the exit button.



Delete button Exit button

5.4 Printhead alignment



This menu is used to correct the misalignment between printheads or colors.

Operation

1) Select the alignment/registration setting.

Note

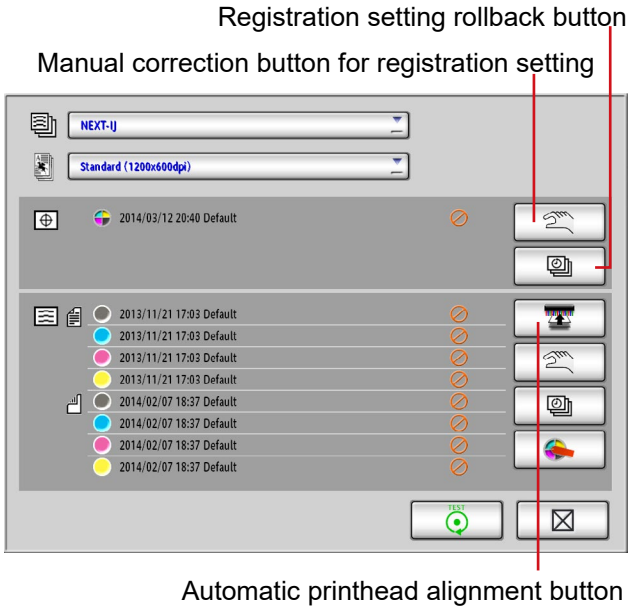
Some of the registered alignment/registration settings have restrictions on usage.

- Alignment/registration setting of blue text (alignment/registration setting specified in the current print condition in the print condition settings screen)
  All operation can be performed.
- Alignment/registration setting of black text (alignment/registration setting for a paper type other than the one that has been specified in the current print condition)
  Only a rollback and a snapshot can be created. Neither print nor correction file update can be performed.

2) Select a print mode.

3) Lists of registration settings and printhead alignment settings are displayed.
   - If readjustment is necessary, an icon is displayed.
     : The printhead alignment file is in the default state.
     : The print condition is changed (the current print condition differs from the condition at the time when the printhead alignment file was created).

4) Press the test print button.
   The test chart for a check is printed.
   - If the registration setting needs to be corrected, proceed to step 5.
   - If the printhead alignment setting needs to be corrected, proceed to step 6.

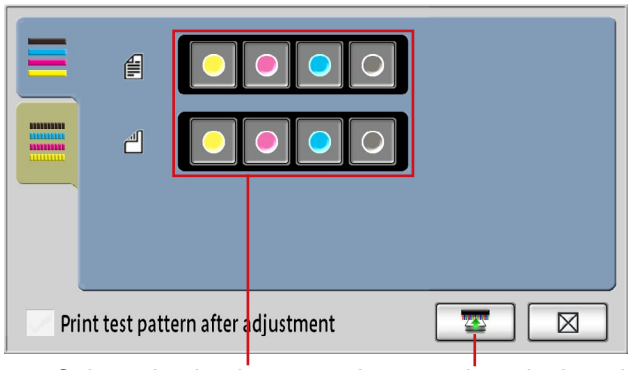


5) Press the manual correction button for the registration setting.
The registration setting screen is displayed. For more information, see “Modifying a printhead alignment file”.

Note

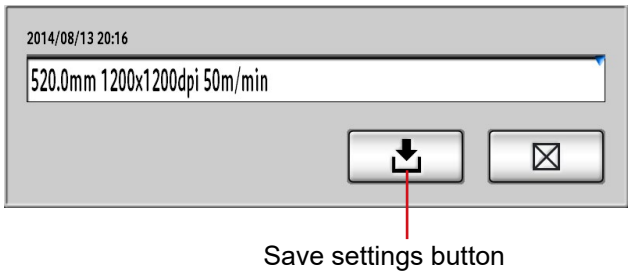
To restore a previous registration setting file, press the registration setting rollback button. The registration setting rollback screen is displayed. For more information, see “Modifying a printhead alignment file”.

6) Press the automatic printhead alignment button.
The automatic printhead alignment screen is displayed.
7) Turn ON the color selection buttons of the target side and color for the automatic printhead alignment.
8) Press the automatic printhead alignment button. The automatic printhead alignment is performed.

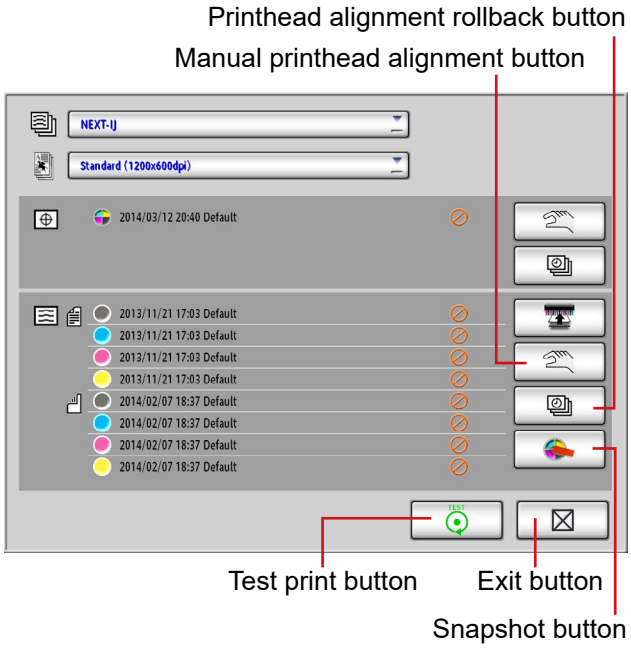


Note

Enable the ‘Print test pattern after adjustment’ option to print a test chart using new adjustment data after automatic adjustment.



9) When automatic printhead alignment data is created, the dialog box to register a name is displayed. Enter a name and then press .
10) When you press the save settings button, the printhead alignment file is saved.

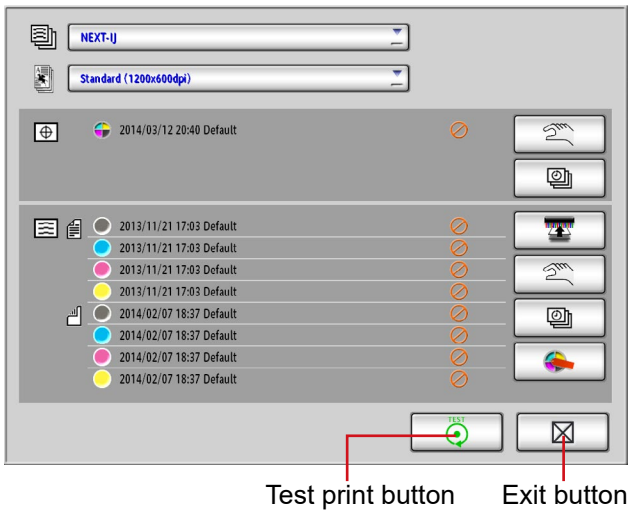


11) Press the test print button.
The test chart for a check is printed. If any correction is necessary, proceed to step 12 and perform the manual printhead alignment. The printhead alignment is complete when there is no problem with the print results on the test chart. Press the exit button.

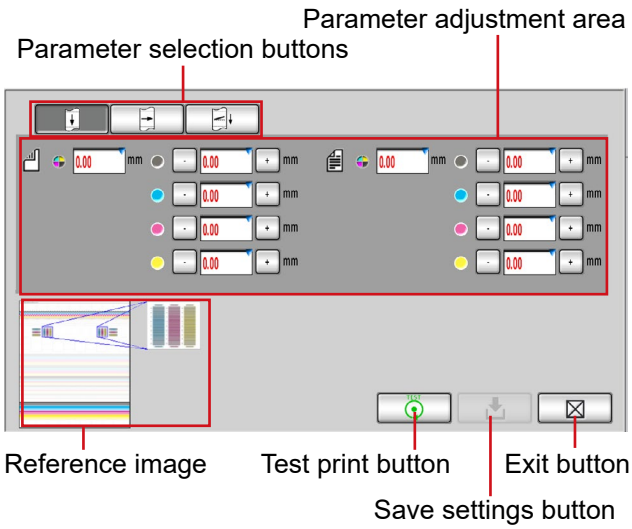
12) Press the manual printhead alignment button.
The manual printhead alignment screen is displayed. For more information, see “Manual printhead alignment”.

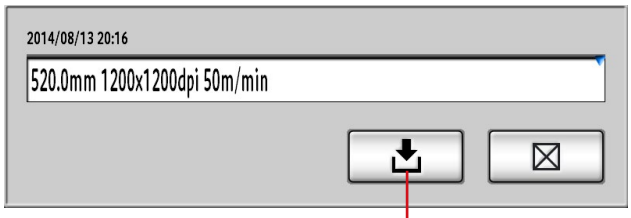
Note

- To restore a previous printhead alignment file, press the printhead alignment rollback button. The printhead alignment rollback screen is displayed. For more information, see “Modifying a printhead alignment file”.
- To register the current printhead alignment settings for all colors as a set, use the snapshot button. The registered snapshot is displayed in the printhead alignment rollback screen, allowing you to manage all the colors together.



13) Press the test print button.
The test chart for a check is printed. If any correction is necessary, perform the manual printhead alignment again.





■Manual correction of the registration setting

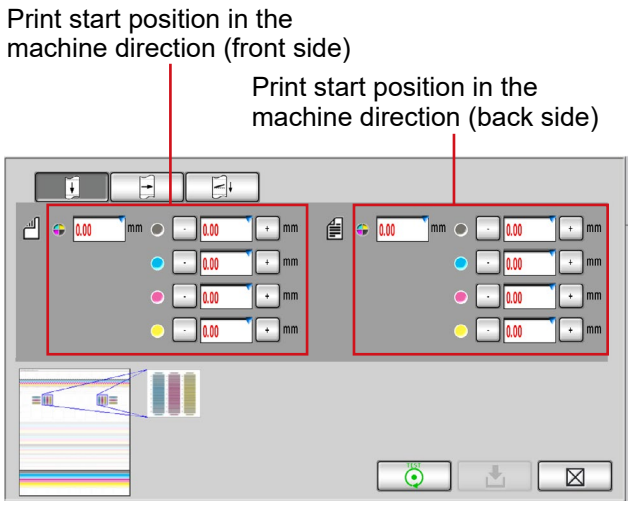
Operation

1) Press the test print button. A test chart for a printhead misalignment check is printed.
2) Press a parameter selection button to display the reference image, and select the parameter to be corrected.
   - Print start position (in the machine direction)
   - Print start position (in the cross-machine direction)
   - Inclination adjustment
3) Change the settings in the parameter adjustment area as necessary. Pressing the adjust buttons on left and right sides of the input field will change the value by 1 pixel. The actual difference of a pixel on paper varies according to the printing resolution. For example, 1 pixel is equivalent to 0.04mm at 600dpi.

Note

The test chart is printed using the correction data in which the input correction values are reflected.

4) Print the test chart again to check whether the registration settings have been corrected properly.
   Repeat steps 2 and 3 above until the registration setting is corrected properly.
5) After all necessary corrections have been completed, press the save settings button.
6) When the manual correction data is created, the dialog box to register a name is displayed. Enter a name and then press .
7) When you press the save settings button, the printhead alignment file is saved.



- **Print start position (in the machine direction)**

Adjust any shifts in the print start position in the machine direction.

Operation

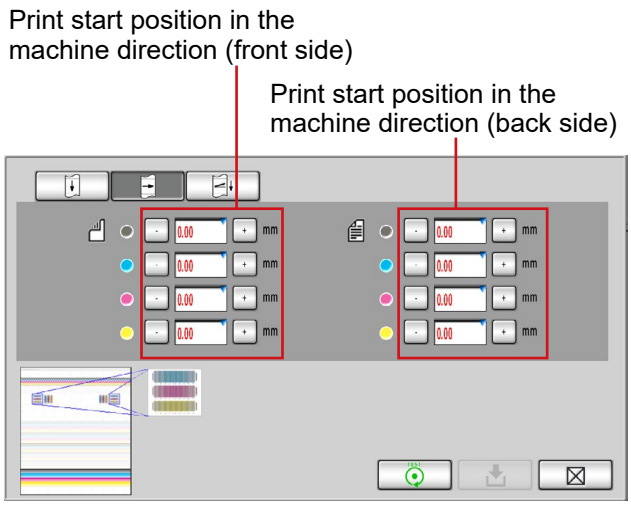
Press the entry field for the print start position in the machine direction of the target side and color, enter a print start position using the numeric keypad, and then press .

Note

Perform this adjustment by referring to the reference image.

If the print position of the cross pattern is shifted in the machine direction on the front side or back side, measure the shifted length and enter the value as the offset value for the four colors.

In addition, if the print position of a color is shifted in the machine direction on the front side or back side, measure the shifted length of the color (C, M, or Y) with respect to the K separation and enter the value as the offset value for the color.



- **Print start position (in the cross-machine direction)**

Adjust any shifts in the print start position in the cross-machine direction.

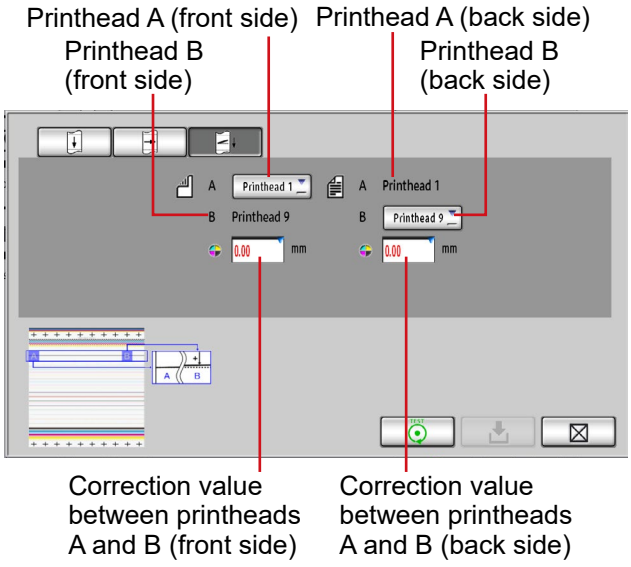
Operation

Press the entry field for the print start position in the cross-machine direction of the target side and color, enter a print start position using the numeric keypad, and then press .

Note

Perform this adjustment by referring to the reference image.

If the print position of a color is shifted in the cross-machine direction on the front side or back side, measure the shifted length of the color (C, M, or Y) with respect to the K separation and enter the value as the offset value for the color.



• Inclination adjustment

Adjust the inclination between selected printheads.

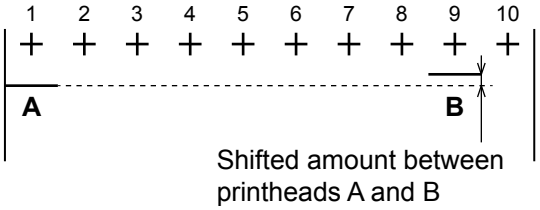
Operation

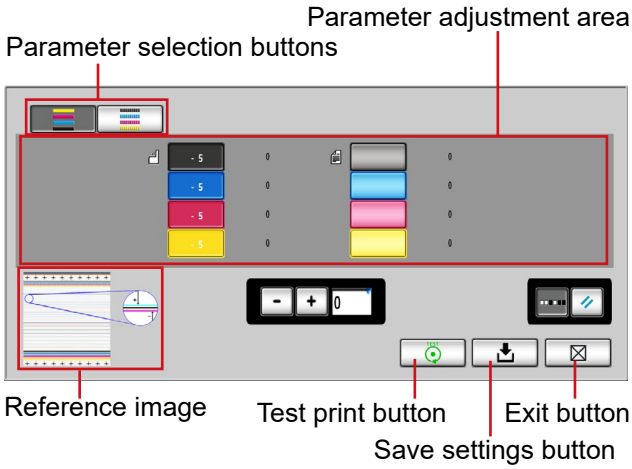
1) Specify “Printhead 1”, “Printhead 3”, “Printhead 5”, or “Printhead 7” as printhead A, which is located at the far left on the target side.
2) Specify “Printhead 3”, “Printhead 5”, “Printhead 7”, or “Printhead 9” as printhead B, which is located at the far right on the same side as selected printhead A.
3) Press the entry field for the correction value between printheads A and B of the target side, enter a correction value using the numeric keypad, and then press .

Note

Check that there is no shift in the machine direction between the virtual line that is extended linearly from the print result of printhead A and the print result of printhead B. If any shift is found, measure the shifted amount and enter the correction value.

(Example) In case of “A: Printhead 1, B: Printhead 9”





■Manual printhead alignment

Operation

1) Press the test print button. A test chart for a printhead misalignment check is printed.
2) Press a parameter selection button to display the reference image, and select the parameter to be corrected.

    Adjustment between colors

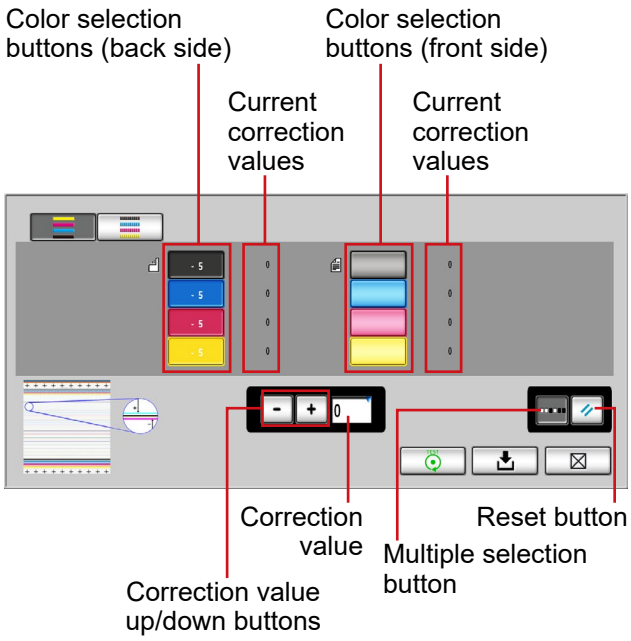
    Adjustment between printheads
3) Change the settings in the parameter adjustment area as necessary.
4) Print the test chart again to check for any printhead misalignment.

   Repeat steps 2 and 3 above until the head misalignment is cleared.

Note

The test chart is printed using the printhead alignment data in which the input correction values are reflected.

5) After all necessary corrections have been completed, press the save settings button.



• Adjustment between colors (This feature is not available on TP-J520HD mono)

Operation

1) Using the print results as a reference, select the color selection button of the target side.

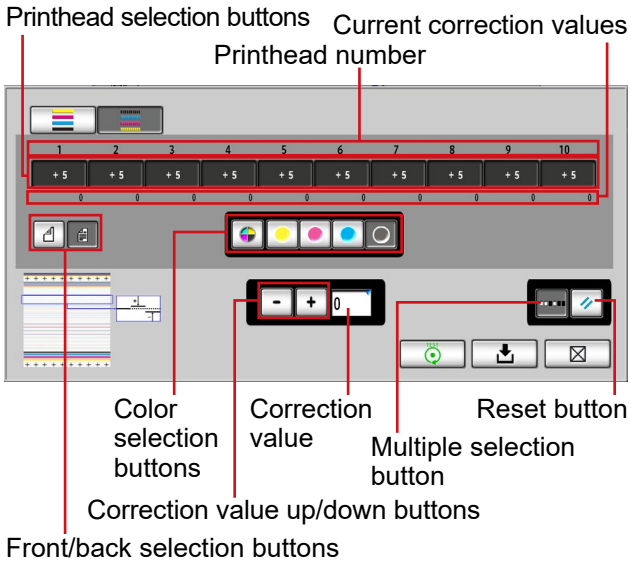
Note

When you press the multiple selection button, multiple sides and colors can be selected.

2) Enter the correction value.

Note

- The entry unit is µm.
- The direction of misalignment correction should be specified using the + or - sign.
  If misalignment occurs in the paper feed direction, reduce the value.
  If it occurs in the opposite direction, increase the value.
- Pressing the correction value up/down button increases or decreases the value by 5.
- When you press the reset button, the default settings are restored.



• Adjustment between printheads

Operation

1) Using the printing results as a reference, select the target side and color, and also the printhead number.

Note

- Select the target side using the front/back selection button.
  The correction values must be set for the front side printer and the back side printer separately.
- Select a color from the color selection buttons and a printhead number from the printhead selection buttons.
- When the multiple selection button is pressed, multiple head numbers can be specified.
- When the 4-color selection button is selected, all four colors will be corrected. When

this button is deselected, only the selected color will be corrected.

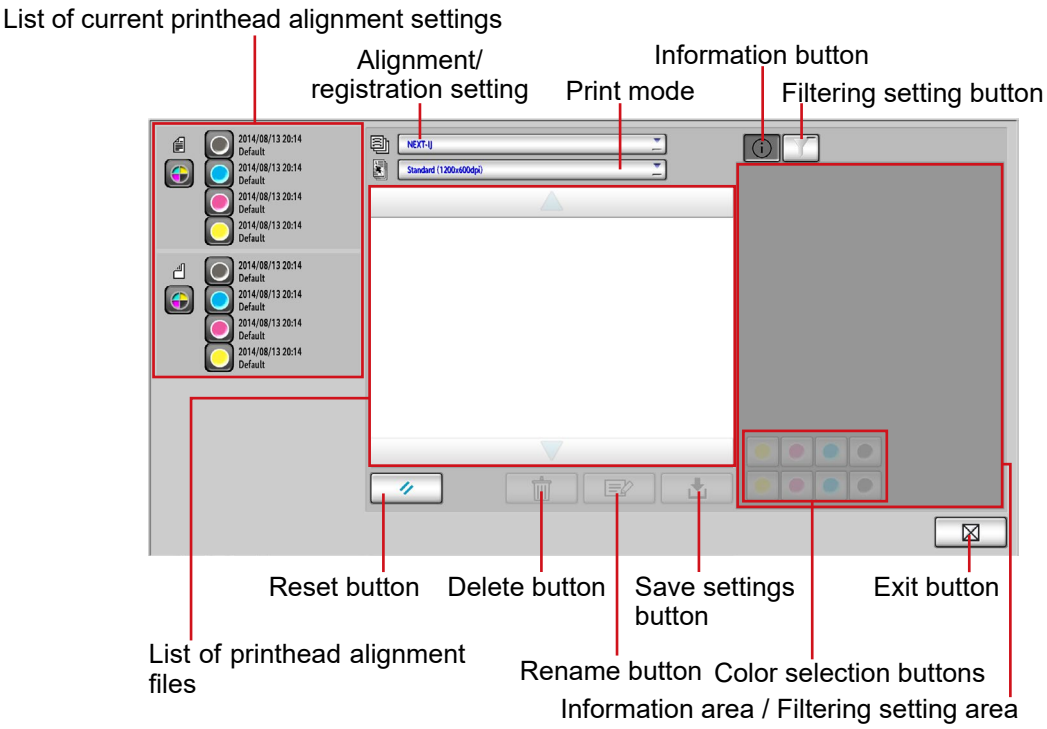
2) Enter the correction value.

Note

- The entry unit is µm.
- The direction of misalignment correction should be specified using the + or - sign.
  If misalignment occurs in the paper feed direction, reduce the value.
  If it occurs in the opposite direction, increase the value.
- Pressing the correction value up/down button increases or decreases the value by 5.
- When you press the reset button, the default settings are restored.

■Modifying a printhead alignment file (printhead alignment rollback)

The correction file for the print misalignment between printheads or colors can be modified.



Operation

1) From the list of current printhead alignment settings, select the color to be modified.
   The printhead alignment file history of the selected color is displayed.
2) Select a printhead alignment file to be used from the list.

Note

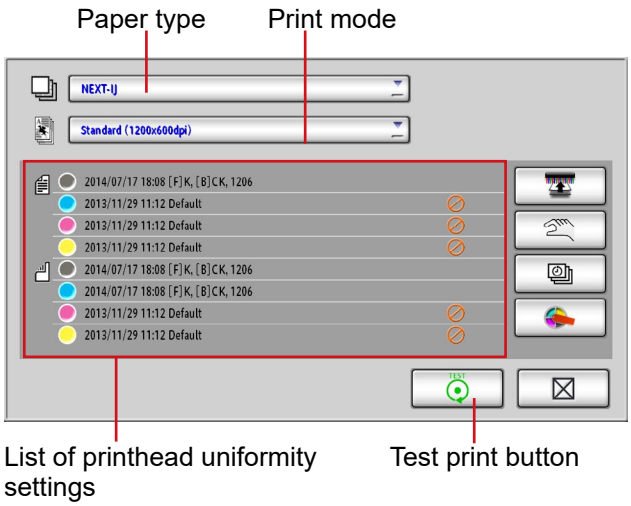
- The printhead alignment files can be filtered using the selections in the print mode and alignment/registration pull-down lists.
- When you press the reset button, the default settings are restored.
  When you press the delete button, the printhead alignment setting file is deleted.
  When you press the rename button, you can enter a name for the printhead alignment setting file.

3) Press the save settings button. The specified printhead alignment settings are applied to the specified color.
4) Press the exit button. The printhead alignment rollback screen is closed.

Note

- When you press the information button, the information area shows the print condition settings applied when creating the printhead alignment file selected in the list of printhead alignment files.
- When you turn ON the filtering setting button, the filtering setting area shows only the printhead alignment files that match the conditions specified by the buttons displayed in the area.
- The color selection buttons allow you to select the color for checking the information. These buttons are not displayed in the printhead alignment rollback screen for registration setting.

5.5 Printhead uniformity



■Printhead uniformity

This menu is used for the adjustment of a printhead so that its ink density can be balanced.

Operation

1) From the paper type pull-down list, select the paper type to be used.
   Note: The corrections made are applied to each paper type.

Note

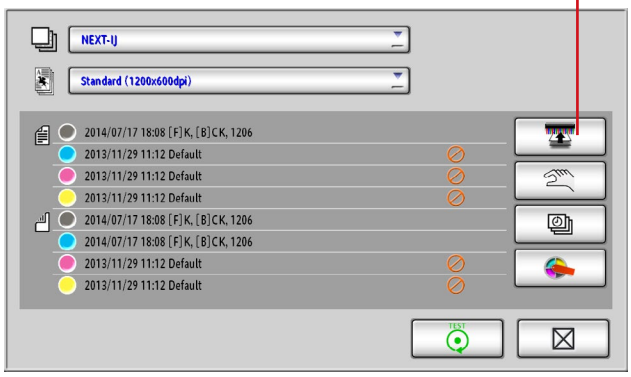
Some of the paper types have restrictions on usage.

- Paper type of blue text (paper type specified in the current print condition in the print condition settings screen)
  All operations can be performed.
- Paper type of black text (paper type other than the one that has been specified in the current print condition)
  Only a rollback and a snapshot can be created.
  Neither printing nor correction file update can be performed.

2) Select a print mode.
3) A list of printhead uniformity settings is displayed.
   - If readjustment is necessary, an icon is displayed.
     : The printhead uniformity file is in the default state.
     : The print condition is changed (the current print condition differs from the condition at the time when the printhead uniformity file was created).
     : One or more printheads have been replaced (run adjustment or touch the icon to erase).
4) Press the test print button.

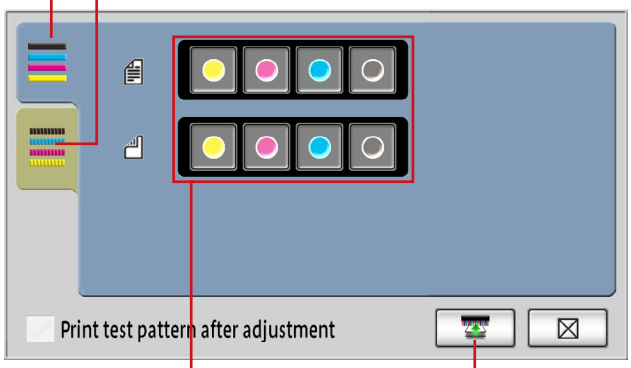
The test chart for a check is printed. If any correction is necessary, proceed to step 5 and perform the automatic printhead uniformity.

Automatic printhead uniformity button



Press the automatic printhead uniformity button.
The automatic printhead uniformity screen is displayed.

Color selection tab
Printhead selection tab

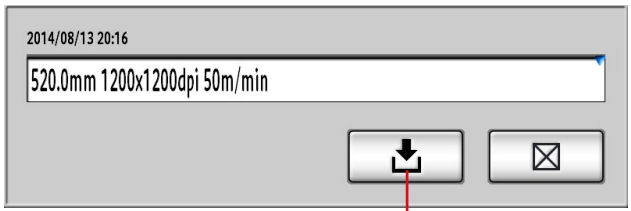


Color selection buttons
Automatic printhead uniformity execution button

5) Select an adjustment mode to perform the automatic printhead uniformity.
When the color selection tab is selected, the automatic printhead uniformity is applied to the selected sides and colors of all printheads. Proceed to step 7.
When the printhead selection tab is selected, the automatic printhead uniformity is applied to the selected printhead only. Proceed to step 9.
6) On the color selection tab, turn ON the color selection buttons of the target side and color for the automatic printhead uniformity.

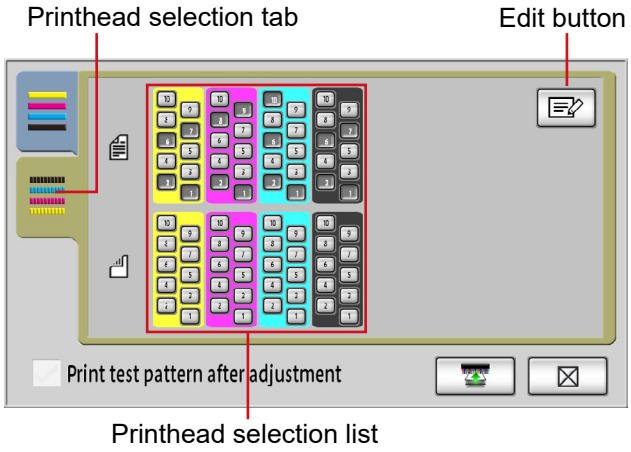
Note

Enable the 'Print test pattern after adjustment' option to print a test chart using new adjustment data after automatic adjustment.

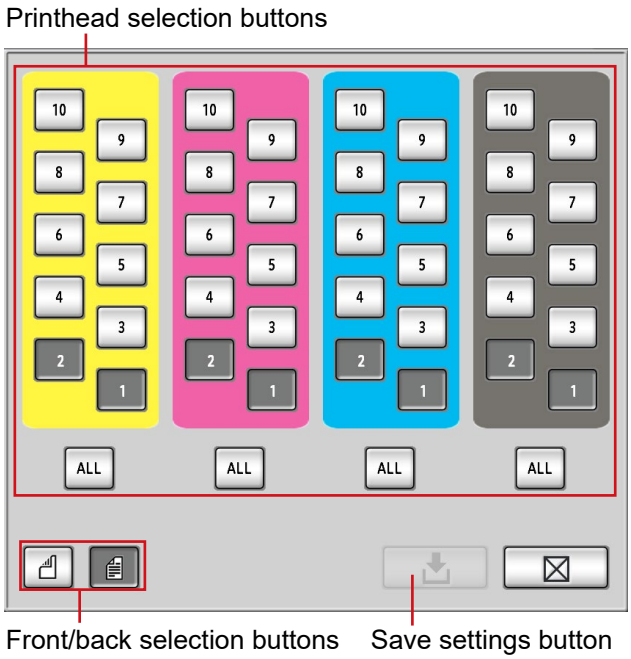


Save settings button

7) Press the automatic printhead uniformity execution button. The automatic printhead uniformity is performed.
8) When automatic printhead uniformity data is created, the dialog box to register a name is displayed. Enter a name and then press .
9) When you press the save settings button, the printhead uniformity file is saved.



10) The printhead selection list in the printhead selection tab shows the current printhead selection state. To select a printhead, press the edit button. The printhead selection screen is displayed.

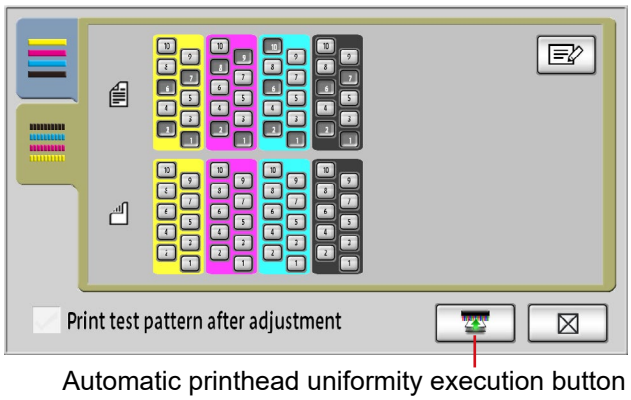


11) On the printhead selection tab, turn ON the printhead number buttons of the target side and color for the automatic printhead uniformity.

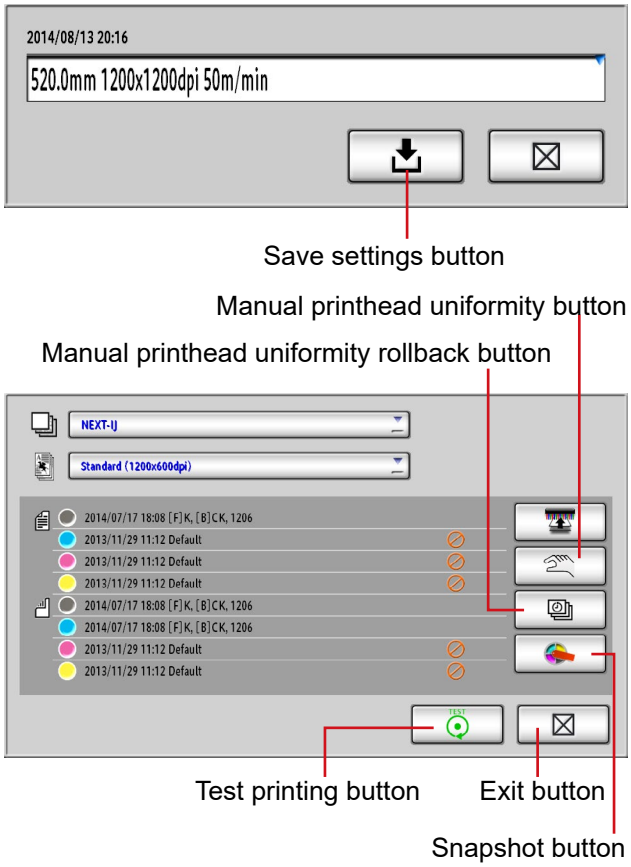
Note

- If you press “ALL”, all head numbers will be selected or deselected.
- Select the target side using the front/back selection buttons. The printhead of the correction target must be set for the front side printer and the back side printer separately.

12) Press the save settings button.



13) Press the automatic printhead uniformity execution button. The automatic printhead uniformity is performed.



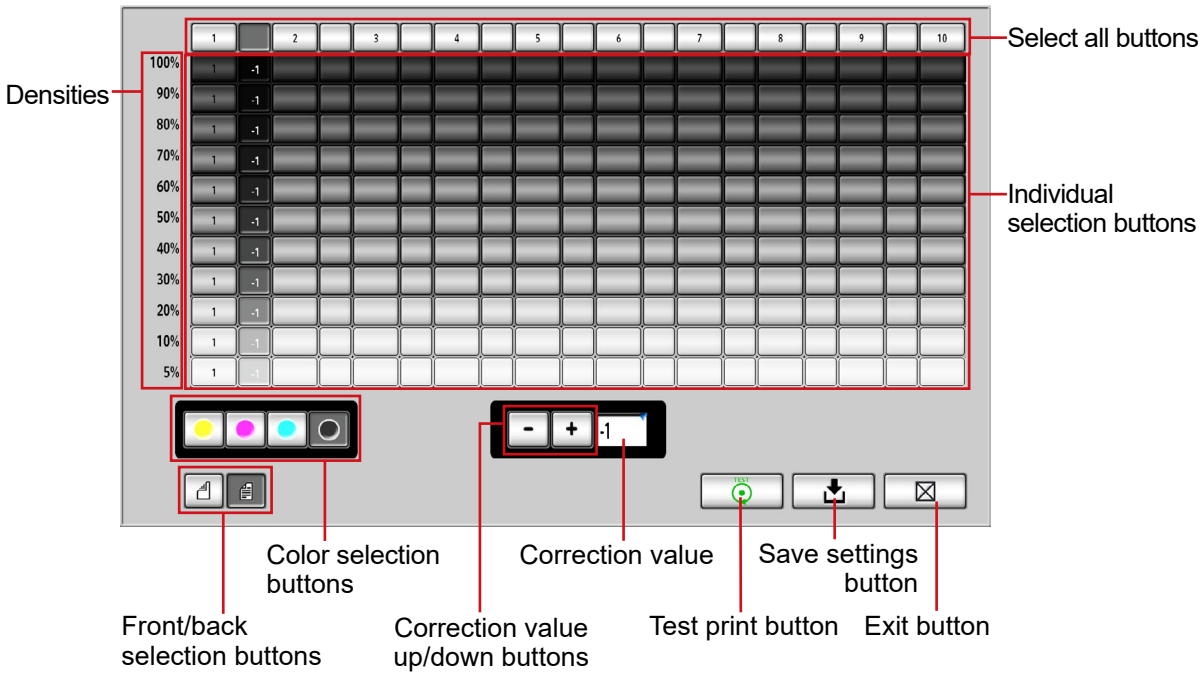
14) When automatic printhead uniformity data is created, the dialog box to register a name is displayed. Enter a name and then press .
15) When you press the save settings button, the printhead uniformity file is saved.
16) Press the test print button.
    The printhead uniformity is complete when there is no problem with the printing results on the test chart. Press the exit button.
    If automatic printhead uniformity could not be performed, proceed to step 18 to perform manual printhead uniformity.
17) Press the manual printhead uniformity button.
18) The manual printhead uniformity screen is displayed. For more information, see “Manual printhead uniformity.

Note

- To restore a previous printhead uniformity file, press the printhead uniformity rollback button. The printhead uniformity rollback screen is displayed. For more information, see “Modifying a printhead uniformity file”.
- To register the current printhead uniformity settings for all colors as a set, use the snapshot button. The registered snapshot is displayed in the printhead uniformity rollback screen, allowing you to manage all the colors together.

■Manual printhead uniformity

The nozzle densities of an individual printhead can be corrected.



Operation

1) Press the test print button.
   A test chart for a printhead uniformity curve check is printed.
2) From the print results, select the color and printhead number of a non-uniform nozzle density, or the density in the area of overlap between printheads.

Note

Use the color selection buttons to select colors. To select all densities for a specified printhead, press the select all button. To select an individual density, press the individual selection button for each density.

3) Enter the correction value.
   The set value is shown on the individual selection button.

Note

- The direction of the correction value should be specified using + or -.
  If the printed density is light, increase the value.
  If the printed density is dark, decrease the value.
- Clicking the correction value up/down button increases or decreases the value by 1. Or, press the correction value entry field, enter a correction value using the numeric keypad, and then press .

4) Print the test chart again to revalidate the input correction values.
   Repeat steps 2 and 3 above until the light and dark sections are cleared in the printing result.

Note

The test chart is printed using the printhead uniformity curve in which the input correction values are reflected.

5) When there is no problem with the print results on the test chart, press the save settings button.
   The comment entry dialog box is displayed.
   When you enter a comment and then press the save settings button, the printhead uniformity file is complete with the setting values applied.

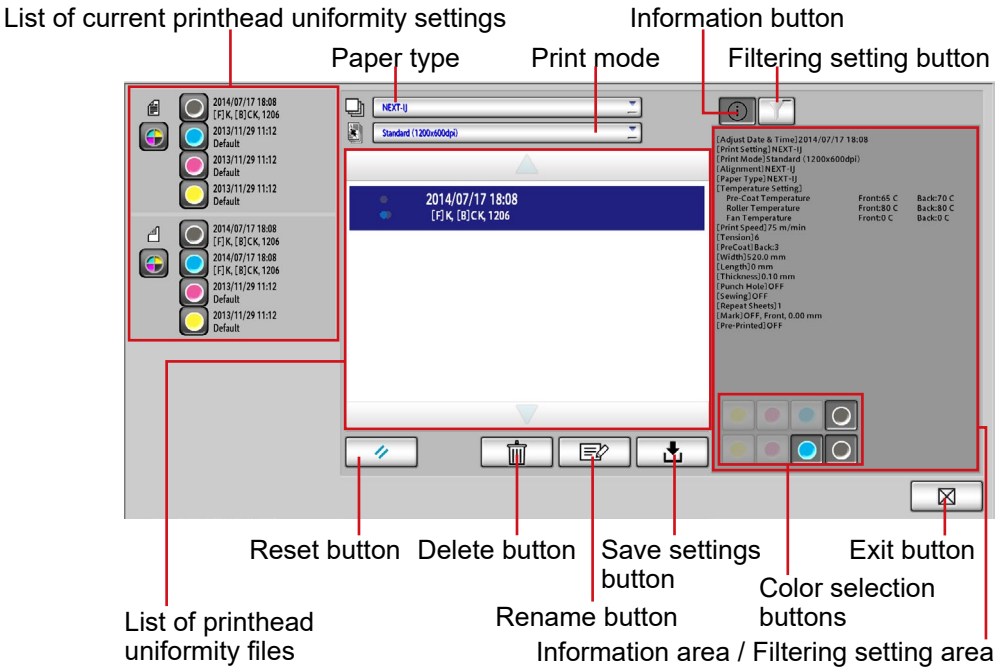
Note

The front/back selection buttons are displayed on a duplex printing system, and used to select the front side printer or the back side printer. The correction values must be set for the front side printer and the back side printer separately.

6) Press the exit button. The manual printhead uniformity screen is closed.

■Modifying a printhead uniformity file (Manual printhead uniformity rollback)

The printhead uniformity file that is set for each color can be modified.



Operation

1) From the list of current printhead uniformity settings, select the color to be modified.
   The printhead uniformity file history of the selected color is displayed.
2) Select a printhead uniformity file to be used from the list.

Note

- The printhead uniformity setting files can be filtered using the selections in the print mode and paper type pull-down lists.
- When you press the reset button, the default settings are restored.
  When you press the delete button, the printhead uniformity setting file is deleted.
  When you press the rename button, you can enter a name for the printhead uniformity setting file.

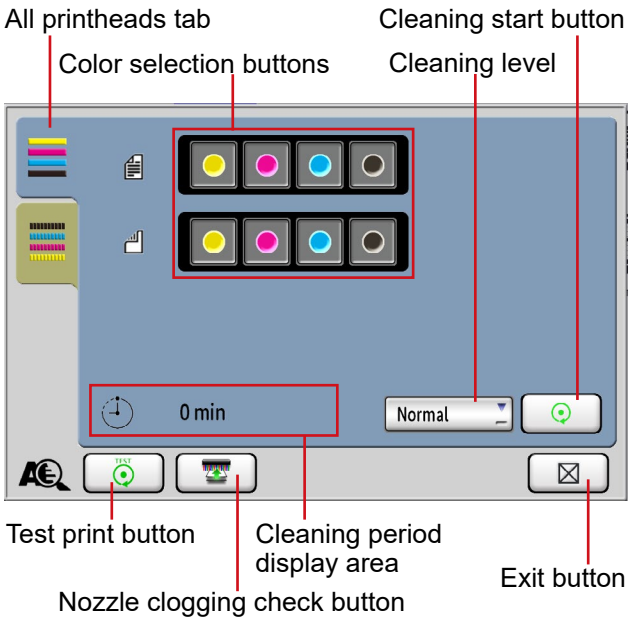
3) Press the save settings button. The specified printhead uniformity settings are applied to the specified color.
4) Press the exit button. The printhead uniformity rollback screen is closed.

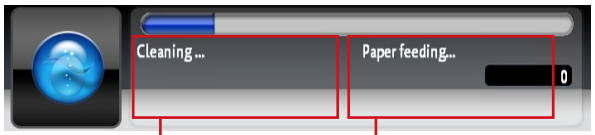
Note

- When you press the information button, the information area shows the print condition settings applied when creating the printhead uniformity file selected in the list of printhead uniformity files.
- When you turn ON the filtering setting button, the filtering setting area shows only the printhead uniformity files that match the conditions specified by the buttons displayed in the area.
- The color selection buttons allow you to select the color for checking the information.

5.6 Printhead cleaning

This screen is used to execute the cleaning of selected printheads and checking for nozzle clogging.





■All printheads tab

The all heads tab is selected for cleaning all color printheads or checking for nozzle clogging.

• Color selection buttons

These buttons allow you to select the target color for cleaning.

• Cleaning period display area

This area displays the period required for cleaning.

• Cleaning level

The cleaning level can be selected.

The cleaning effectiveness increases in the following order.

(1) Flushing (Ink is flushed from the printheads.)

(2) Normal (Ink is extracted from the printhead surface.)

(3) Intense (Ink is extracted from the printhead surface.)

(4) Wipe (Ink adhered to the printhead surface is wiped by the wiper.)

• Cleaning start button

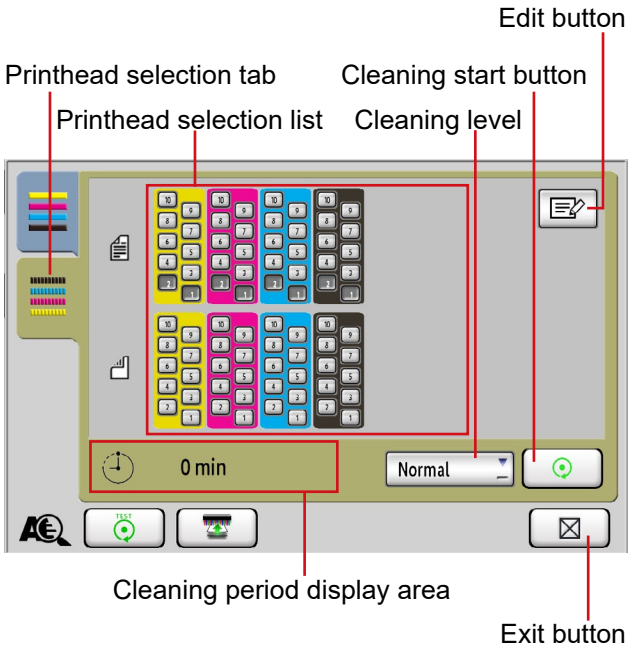
Press the button to start printhead cleaning under the specified conditions.

Note

If “Close” is pressed in the progress window, the cleaning screen disappears and the processing runs in the background, allowing job editing and paper feeding operations.

During the background processing, the cleaning progress can be checked using the progress bar on the status bar. When you press the progress bar, the progress window is displayed.

When paper feeding is started while cleaning, the progress bar in status bar will display the progress of the slower process. The progress dialog could be recalled by touching the left half side for cleaning or the right half side for paper feeding.



■Nozzle clogging check button

When you press the nozzle clogging check button, the nozzle clogging is checked.

■Test print button

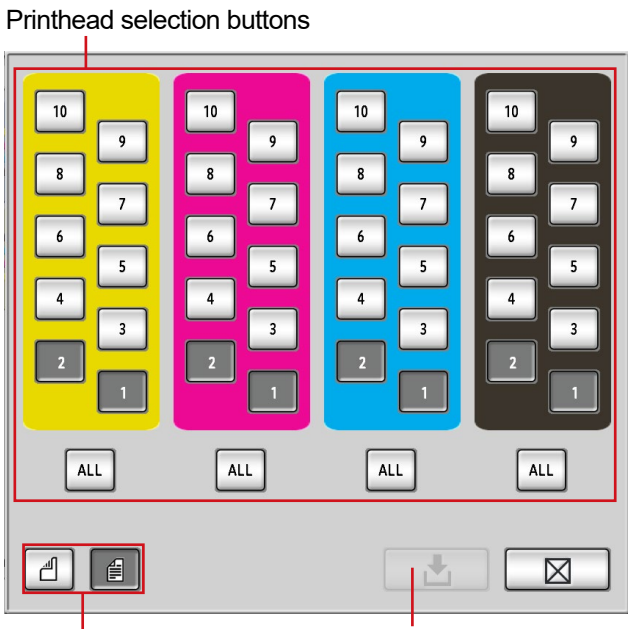
When you press the test print button, the test chart for a nozzle clogging check is printed.

■Printhead selection tab

The printhead selection tab is selected when cleaning starts for a specified printhead of a specified color.

Note

The functions for the cleaning level pull-down list, cleaning start button, and exit button are the same as for the all printheads tab.



• Edit button

When you press the edit button, the printhead selection screen is displayed.

The printhead to be cleaned can be selected.

Operation

1) The printhead selection list in the printhead selection tab shows the current printhead selection state. To select a printhead, press the edit button. The printhead selection screen is displayed.
2) Turn ON the printhead selection buttons of the target side and printhead for the cleaning.

Note

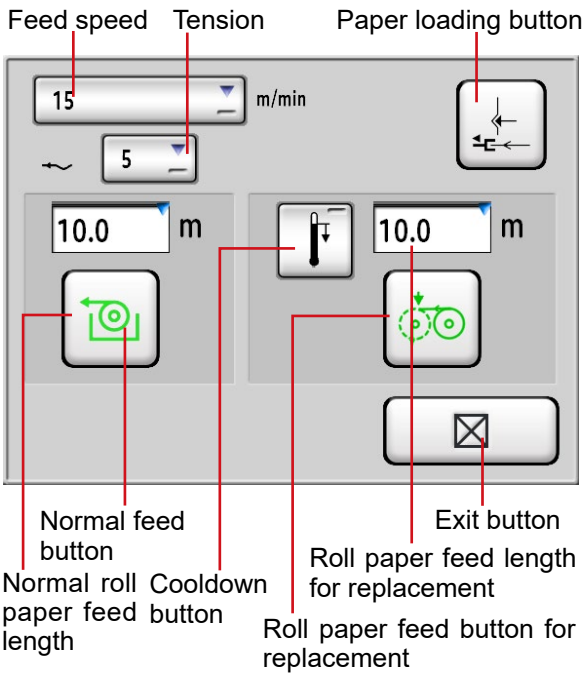
- If you press “ALL”, all head numbers will be selected or deselected.
- Select the target side using the front/back selection buttons.
  The target printheads must be set for the front side printer and the back side printer separately.

3) Press the save settings button.

5.7 Paper feed

5.7.1 Paper feed screen

The paper feed screen is used to make settings for roll paper feeding.



■Feed speed

Operation

Press ▼ and select a speed.

■Tension

Operation

Press ▼ and select tension.

■Paper loading button

When you press the paper loading button, the paper loading screen is displayed.

■Normal roll paper feed length

Operation

Press the normal roll paper feed length entry field, enter a normal roll paper feed length using the numeric keypad, and then press .

■Normal feed button

When you press this button, the roll paper is fed using a normal roll paper feed length.

■Cooldown button

When this option is enabled, paper feed will start after heat roller is cooled down to avoid splice tapes from tearing off. This feature is not available on TP-J520HD mono.

■Roll paper feed length for replacement

Operation

Press the roll paper feed length for replacement entry field, enter a roll paper feed length for replacement using the numeric keypad, and then press .

■Roll paper feed button for replacement

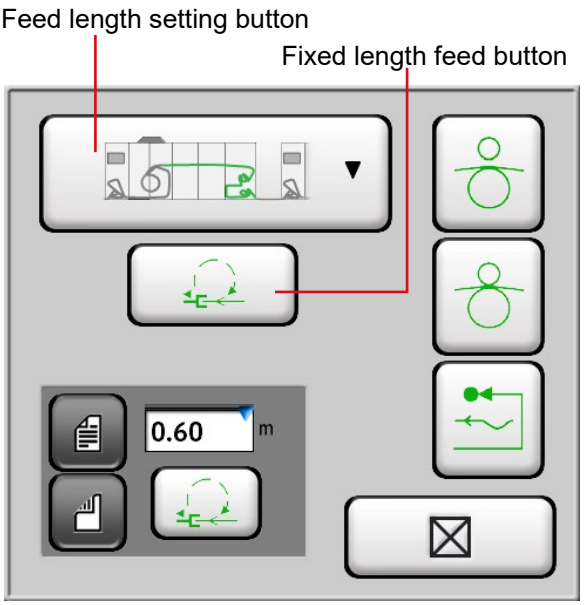
When you press this button, the roll paper is fed by a roll paper feed length for replacement. After the roll paper feeding is completed, the print settings screen is displayed.

For more information, see “5.3 Print settings”.

Note

When you press the exit button, the main screen is displayed again.

5.7.2 Paper loading screen



■Slackening of the roll paper

• When the feed length setting is used

Operation

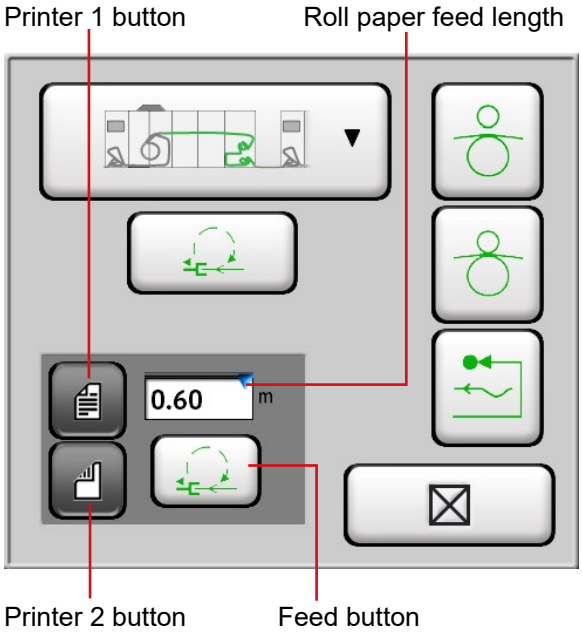
1) Press the feed length setting button.
2) Select a feed length setting from the pull-down list.

	Length between the entrance unit and the dryer
	Length between the dryer and the exit unit
	Length of the turn bar section
	Length of the chiller turn bar (1)
	Length of the chiller turn bar (2)

3) Press the fixed length feed button.
   The roll paper is fed out from the left side of the exit unit for Printer 1. While pulling the paper by hand, slacken the paper on the top cover of the turn bar.

Note

Pull the roll paper by hand as soon as you press the fixed length feed button. Otherwise, the paper may become entangled with a roller in the printer.



• When a printer and feed length are specified

Operation

1) Turn On the button for the printer (printer 1 button / printer 2 button) in which paper is to be fed.
2) Press the roll paper feed length entry field, enter a roll paper feed length using the numeric keypad, and then press .

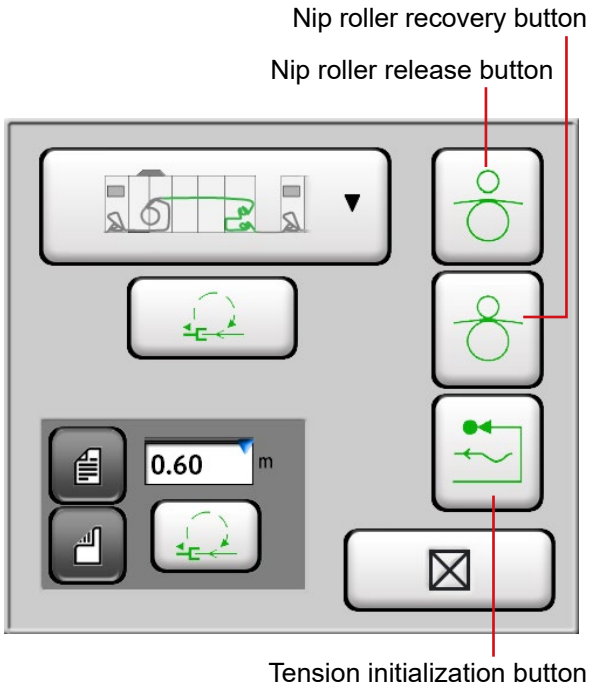
Note

When you enter "0", the paper feed continues.

3) Press the feed button.
   The roll paper is fed out from the left side of the exit unit for Printer 1 / Printer 2. While pulling the paper by hand, slacken the paper on the top cover of the turn bar.

Note

Pull the roll paper by hand as soon as you press the feed button. Otherwise, the paper may become entangled with a roller in the printer.



■Nip roller release button

The nip rollers on the sides of the entrance unit and exit unit are disengaged from their respective drive rollers. This feature is available on printers with nip motors.

■Nip roller recovery button

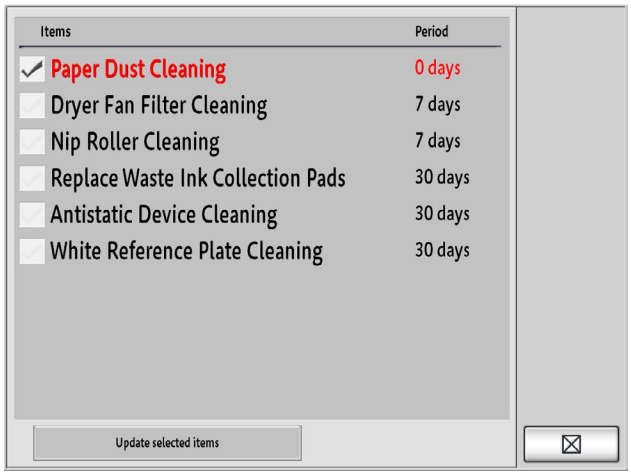
The nip rollers on the side of the entrance unit and exit unit are re-engaged with their respective drive rollers. This feature is available on printers with nip motors.

■Tension initialization button

The initial tension is applied to the roll paper in the machine.

5.8 Periodic maintenance

When it is time to replace parts or perform some other type of maintenance, a dialog box recommending maintenance is displayed when the controller PC is started. Please perform the necessary maintenance and then update the maintenance deadlines using the periodic maintenance screen shown below.



Operation

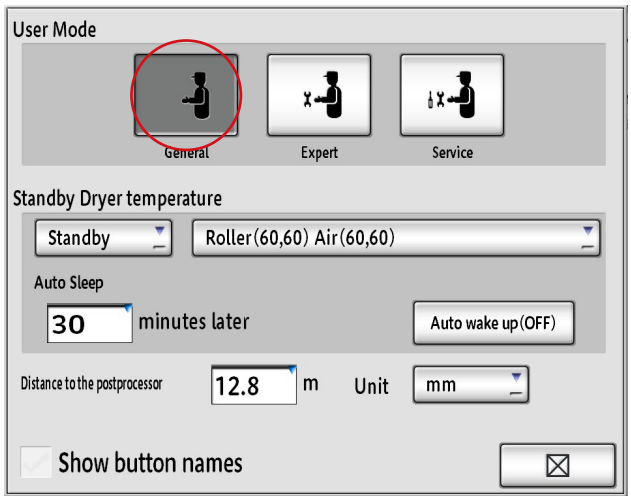
1) Press the check boxes for the maintenance items that have been taken care of.

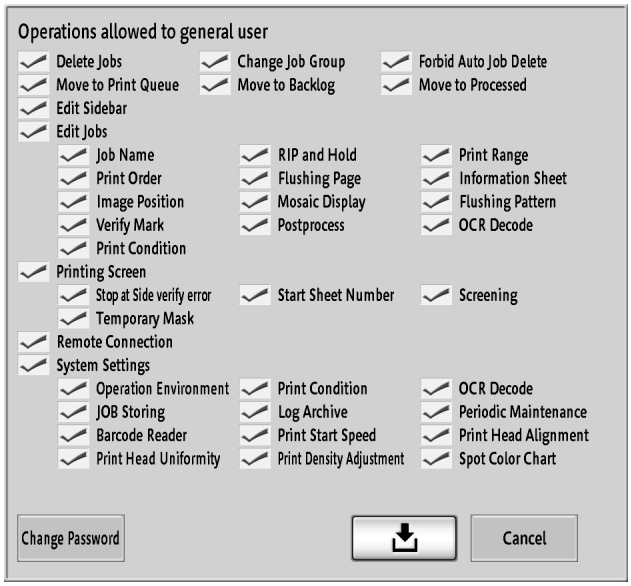
Note

- The maintenance items that require attention are displayed in red.
- Maintenance items displayed in gray must be taken care of by a service engineer.
- Maintenance items vary depending on printer models. Refer to the User's Manual for details.

2) Press "Update selected items".
The maintenance period for the selected items is updated and the number of days until maintenance will be required again is displayed.

5.9 Operation environment





■Setting the user mode

You can select “General”, “Expert”, or “Service” as the user mode.

Note

Only users who have received special training should select the “Expert” or “Service” modes. A password is required to switch to the “Expert” and “Service” modes.

When you switch the operation mode from “Expert” to “General”, the “Operation allowed to general user” screen is displayed. Select the check boxes as necessary. Also, you can change the password through this screen.

■Dryer temperature when idling

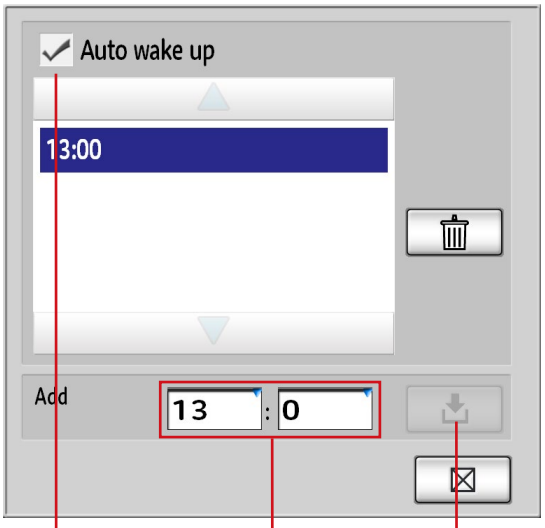
This option allows you to select the dryer temperature while printing is not performed. This option is not available on TP-J520HD mono.

- Standby: not in any of the below states
- In Print Queue (option): relative temperature against the setting for the job in top of the print queue
- Job Running (option): relative temperature against the setting for the running job

■Auto sleep

This field allows you to set the time for the printer to sleep when the operation screen has been left idle for specified time. Enter ‘0’ to disable auto sleep.

When printer is sleeping, power to the heat rollers will be shutdown to reduce power consumption.



■Auto wake up

This option allows you to specify the time to stop sleeping.

Operation

1) Press the “Auto wake up” button.
2) Select the “Auto wake up” check box.
3) Specify the time to wake up and press the register button.

Note

Up to 10 wake up time can be registered.

■Distance to the postprocessor

This field allows you to set the distance to the postprocessor.

Operation

1) Select the “Distance to the postprocessor” check box.
2) Enter the distance using the keyboard, and then press .

■Dryer temperature when idling

This option allows you to select the dryer temperature while printing is not performed.

■Setting the unit used for lengths

This option allows you to select the unit to be used.

■Show button names

Select the “Show button names” check box to show each button with its name on it.

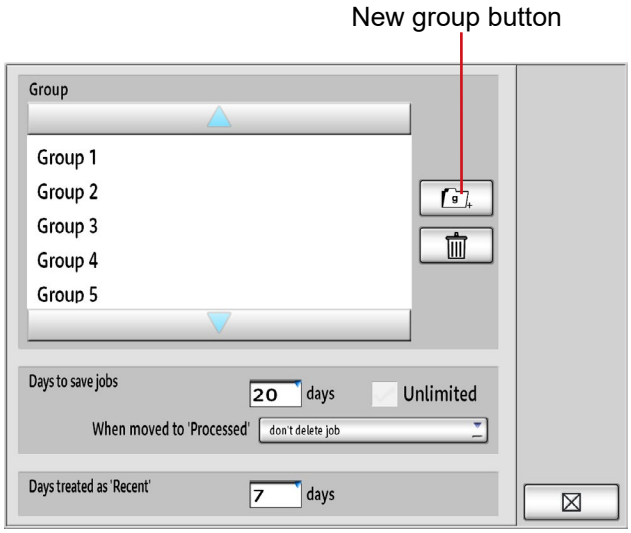
5.10 Job storing

This screen is used to create and delete groups (folders) that store jobs that have been processed, set the number of days jobs are saved, and set the number of days jobs are displayed in the “Recent” list.

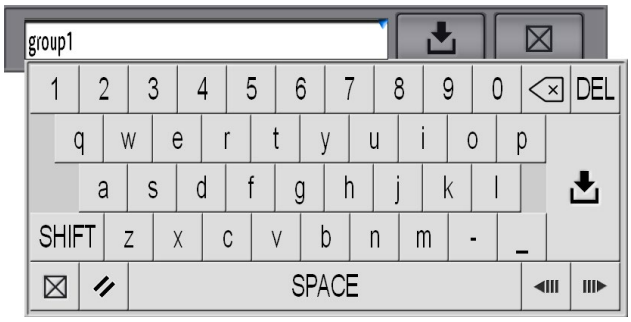
■Creating a group

Operation

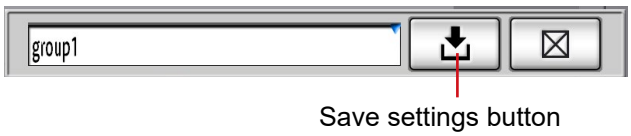
1) Press the new group button.



2) Enter a group name using the keyboard, and then press .



3) Press the save settings button.
A group is created.



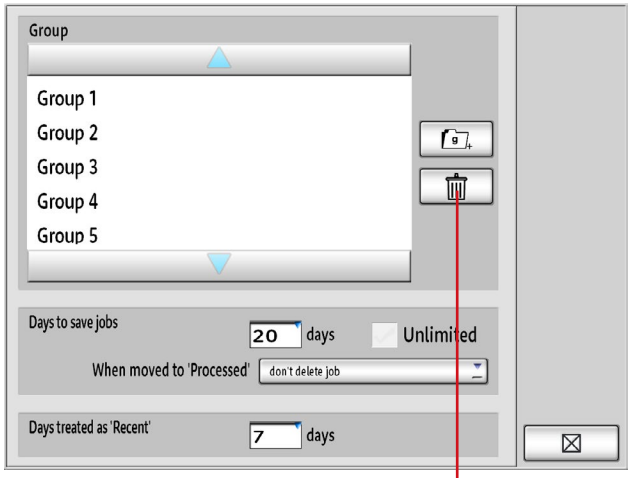
Note

When Keyword 1 was set to create a job in EQUIOS, the job is moved to the group with the same name as the Keyword 1 setting that was set when the job was registered. If a group with this name does not exist, a new group is created.

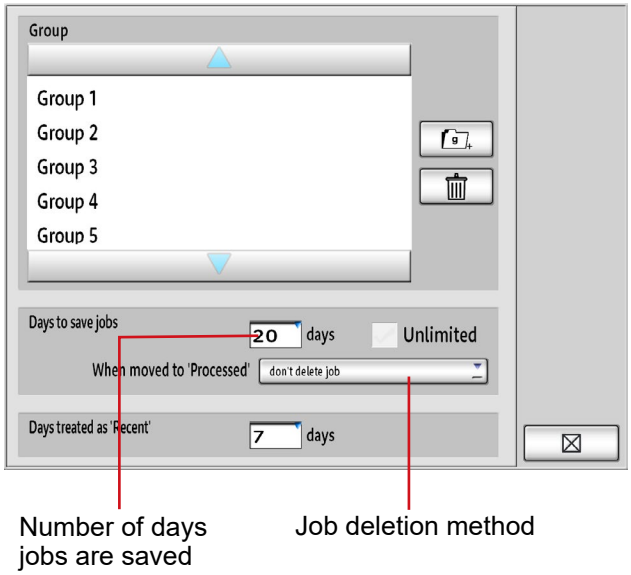
■Deleting a group

Operation

1) Select the group to be deleted, and press the delete group button.



2) A confirmation dialog box is displayed. Press “OK”. The group is deleted, and the jobs within the group are deleted as a group.



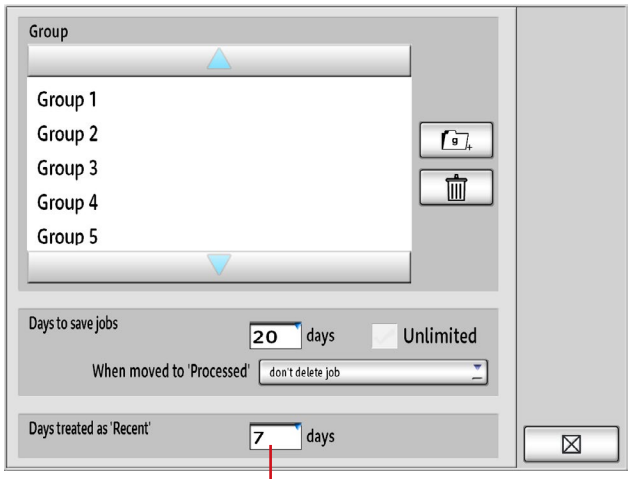
■Days to save jobs

This setting is used to determine how many days the processed job data is saved.

When you press the entry field under “Days to save jobs”, the numeric keypad is displayed.

If you check “Unlimited”, jobs are saved forever.

If the number of days you enter in this setting is such that certain jobs will be deleted once the setting is saved, a confirmation dialog box is displayed.



Number of days jobs are displayed as “Recent” jobs

■Job deletion method

You can select the job deletion method when the job is moved to the “Processed” folder.

■Days treated as ‘Recent’

You can select “Recent” when displaying a list of jobs. When you select “Recent”, jobs that were created (or printed) within the number of days specified in the “Days treated as ‘Recent’” entry field are displayed.

When you press the entry field to the right of “Days treated as ‘Recent’”, the numeric keypad is displayed.

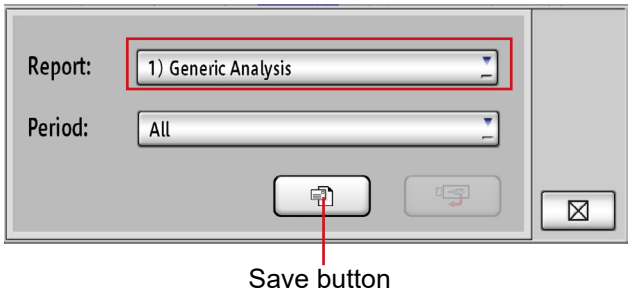
5.11 Log archive

If a problem occurs that you do not know how to solve, you can output information about the problem to a file.
There are five categories under which information on problems can be reported: 1) Generic Analysis, 2) System Analysis, 3) Printer Analysis, 4) Software Configuration, and 5) Select File.

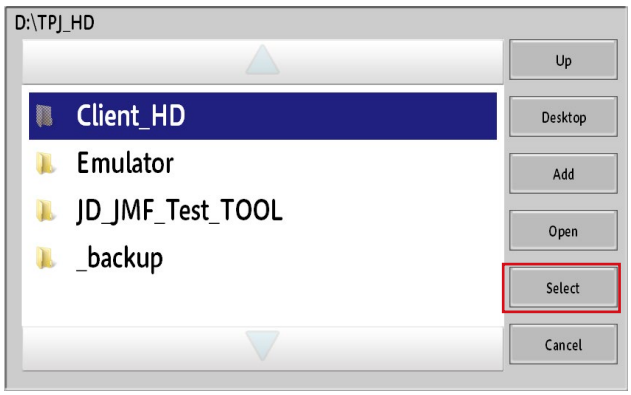
■Saving problem information

Information about the problem that has occurred can be saved into a file and output (saved).

Operation



1) Select the type of problem report.
2) Select the period.
3) Press the save button.



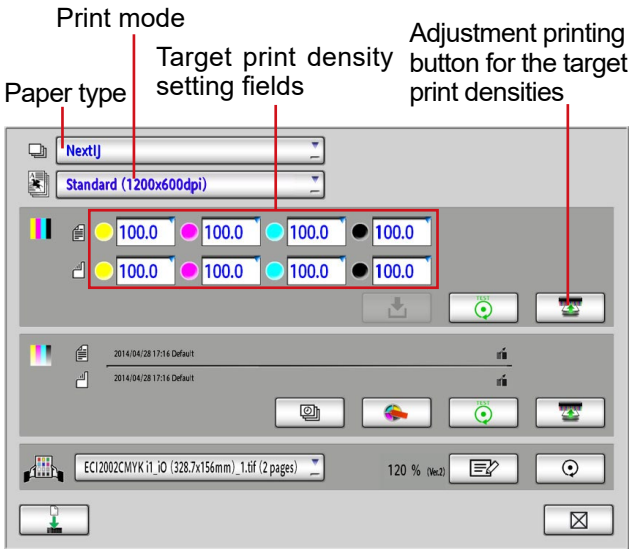
4) A dialog box that allows you to select the destination for output is displayed.
5) Select the output destination and then press the “Select” button.
6) A dialog box indicating that a file is being created is displayed.
   This dialog box disappears as soon as creation and output of the file is finished.

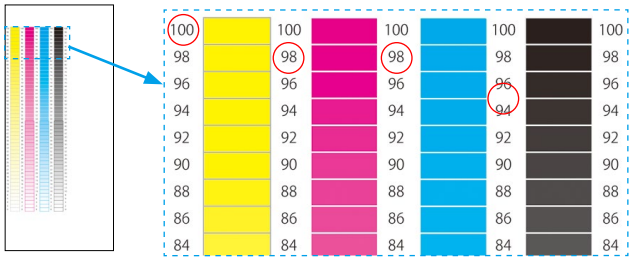
5.12 Print density adjustment

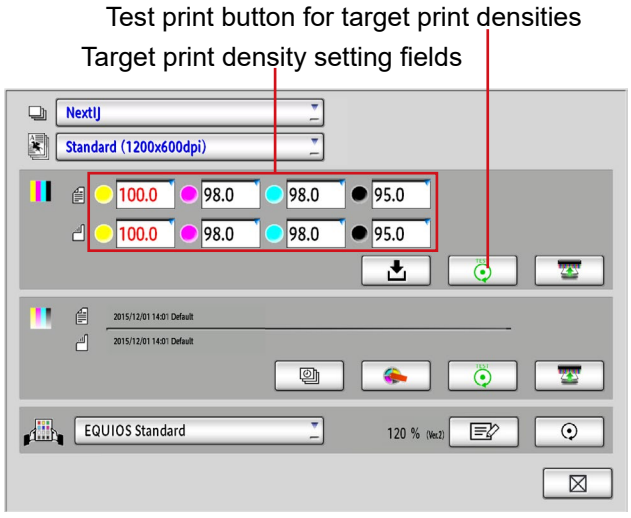
Target densities and midtones can be set for each paper type and print mode. It is also possible to print an ICC profile creation chart.

5.12.1 Density adjustment for each paper type

■Setting the target print density







Operation

1) In the print condition settings screen, select the paper type and print mode to be set. Then press the button used to set them in the current print condition.

Note

For more information about the print condition settings screen, see “5.3.1 Setting print conditions”.

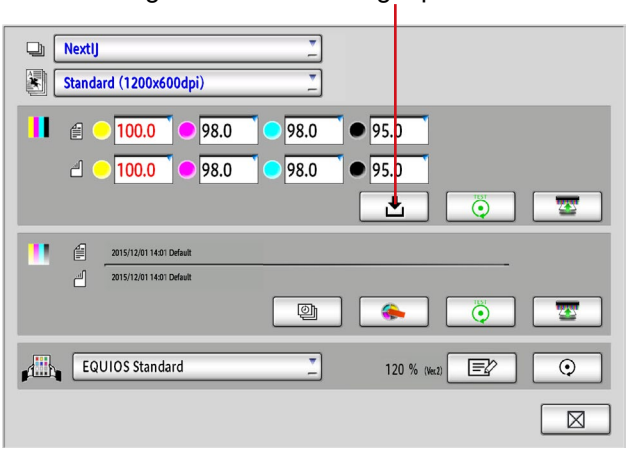
2) Display the print density adjustment screen.
3) Press the adjustment print button for the target print densities to print a step chart.
4) Measure the density of each color on the printed pattern and find the value (%) close to the target density.
5) Enter the target density (%) found above to the target print density setting field for each color.

Note

The target densities can be entered in a range from 0.1 to 100%.

6) Press the test print button for the target print densities to print a step chart.

Save settings button for the target print densities

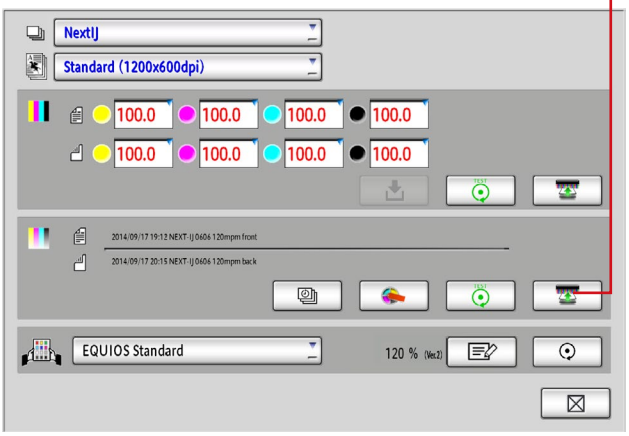


7) When there is no problem in the densities of 100% on the printed step chart, press the save settings button for the target print densities.
If any adjustment is required, perform the procedure again from the step chart check in step 4 above, and then register the settings.

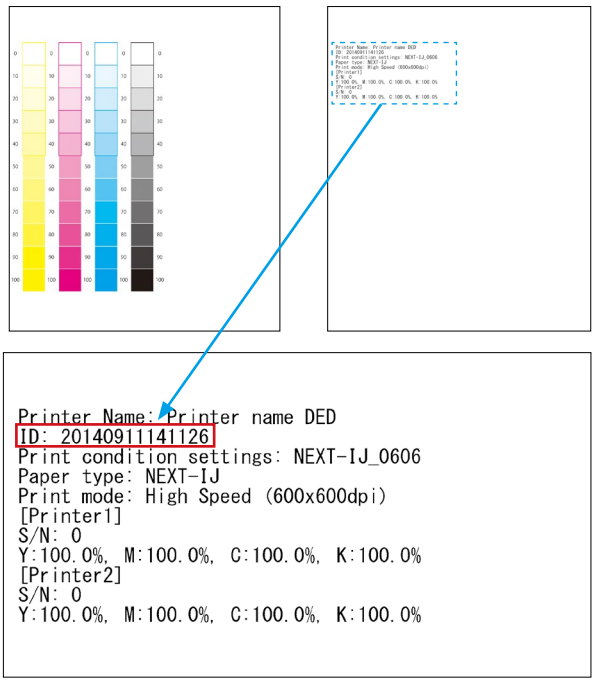
■Adjusting the midtone

Operation

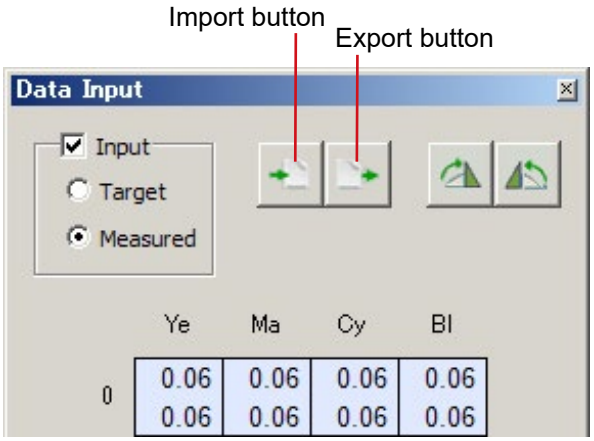
Adjustment print button for midtones



1) Press the adjustment printing button for midtones to print a step chart.



2) Check the ID number printed on the step chart.
Several sheets of the step chart for midtone adjustment are printed. The ID number is printed on the last sheet.



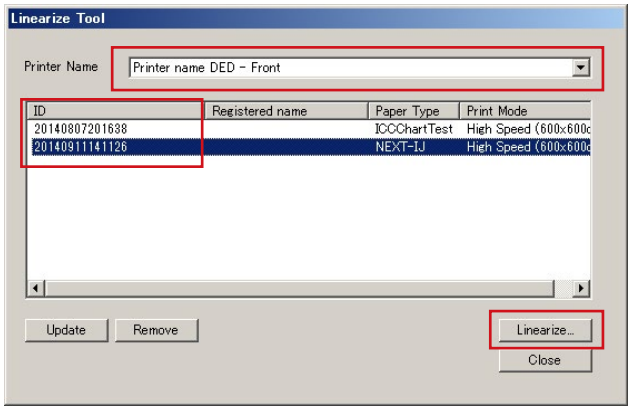
3) Start the linearization tool installed on the EQUIOS Center PC.

Note

".NET Framework4.0" must be installed on the PC on which the linearization tool is to be used. If an error message is displayed when the tool is started, install ".NETFramework4.0" using the following installer.

\\< EQUIOSCenterPC name> \#WORK_ EX\ TPJ_HD\LinearizeTool\dotNet4.0\do tNet-Fx40_Client_x86_x64.exe

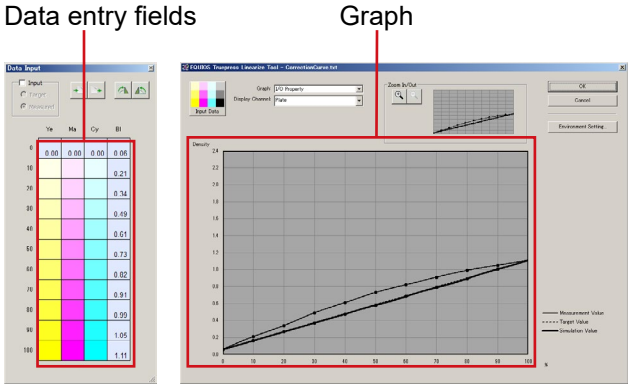
The EQUIOS Center PC host name differs depending on the operation environment. If it is not clear, contact your system administrator.



4) After selecting the printer name to be adjusted with the linearization tool, select the ID number confirmed in the ID list and then press the "Linearize" button.

Note

- When you press the "Update" button, the latest ID numbers are displayed.
- When an ID is no longer to be used, select it in the ID list and then press the "Remove" button to delete it.

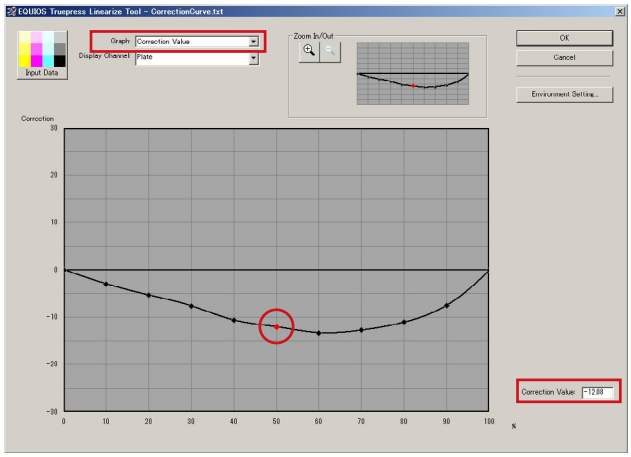


5) Measure the density using at least three points including the 0% and 100% points on the printed step chart. Then, enter the measured values to the entry fields of each color in the data entry screen. Based on the entered values, a correction curve is displayed on the graph.

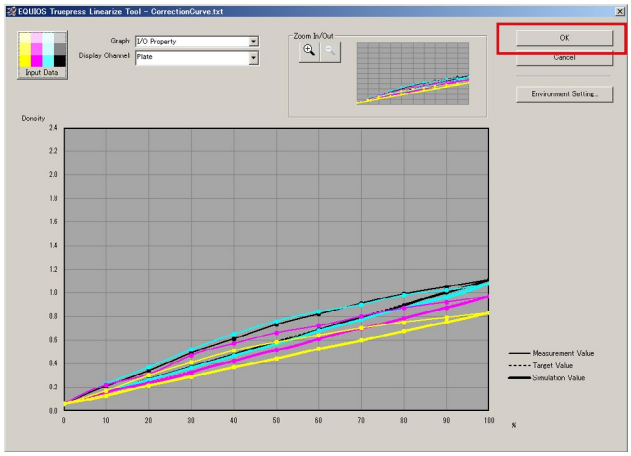
Note

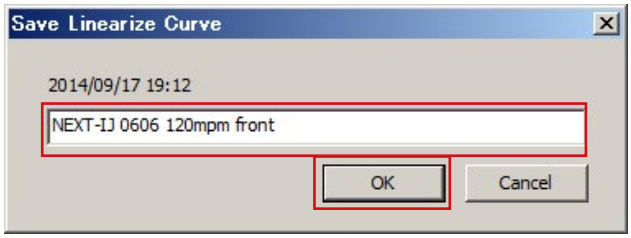
- You may use a reference chart printed with different media/print mode as target. Place a check on "Input" and select "Target" radio button. Measure the target densities for all colors (The upper field in the input cells displays the target, and lower field displays the measured values).

- Both measured and target values can be imported/exported. Select the target/ measured radio button and press the “Import”/”Export” button.
- If the solid target density is changed after adjusting the midtones against specified midtone target densities, the midtones will not be reproduces as specified. When attempting to change target density in such situation, an alert message will be displayed. Moreover, when the alert message is ignored,  alert icon will be displayed on print density adjustment screen and midtone correction rollback screen.
- The “Display Channel” pull-down list allows you to select a target color to display on the graph.
- The “Zoom In/Out” buttons allow you to change the display area of the graph.
- The “Graph” pull-down list allows you to select “Correction Value” as a type of graph to be displayed. You can perform a fine adjustment of the amount of correction on the “Correction Value” graph. To do so, select a point at which you wish to adjust the correction curve, and then enter a value in the “Correction Value” entry field located at the lower right of the screen.

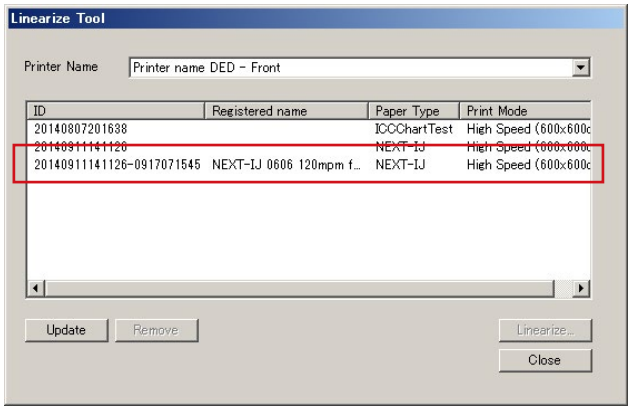


6) After the correction has been completed, press the “OK” button.





7) The registration dialog box is displayed. Enter a midtone correction data name, and then press the “OK” button.



8) The ID list shows the registered names. Check that the entered midtone correction data name is registered in the list.

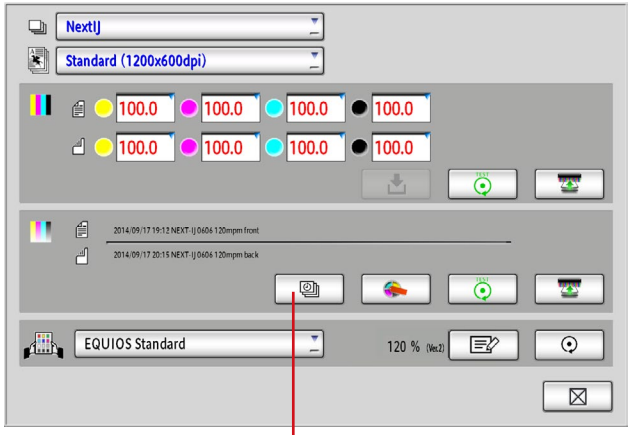
Note

If you wish to perform the adjustment again, select a midtone correction data name and then press the “Linearize” button.

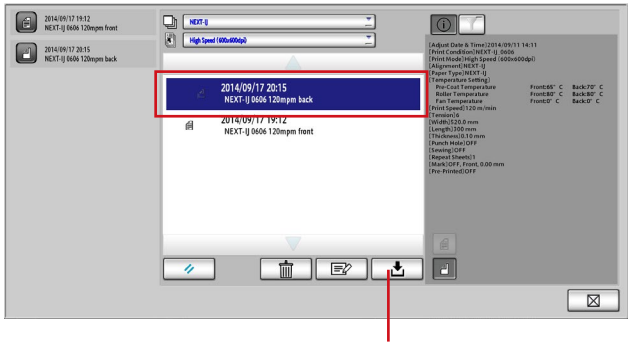
9) For a duplex printing system, perform from step 4 for adjustment on the other side of the print.

10) After the adjustment has been completed, press the “Close” button to terminate the linearization tool.

11) On the operation panel of the printer, press the midtone correction rollback button.



Midtone correction rollback button

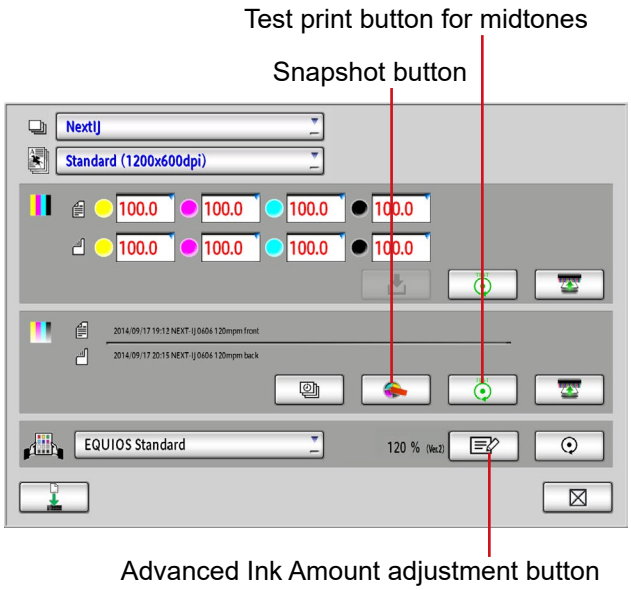


Save settings button

12) The midtone correction rollback screen shows the midtone correction data files registered in the linearization tool. Select a target midtone correction data file, and then press the save settings button.

Note

For more information about the midtone correction rollback screen, see “Modifying the midtone correction file”.



13) Press the test print button for midtones.
When there is no problem in the test chart print result, press the “Close” button to finish the adjustment.

If the adjustment is required again, perform the following two procedures.

(1) Select the midtone correction data file that has been registered by performing the procedure from step 4, and then adjust and register it again.

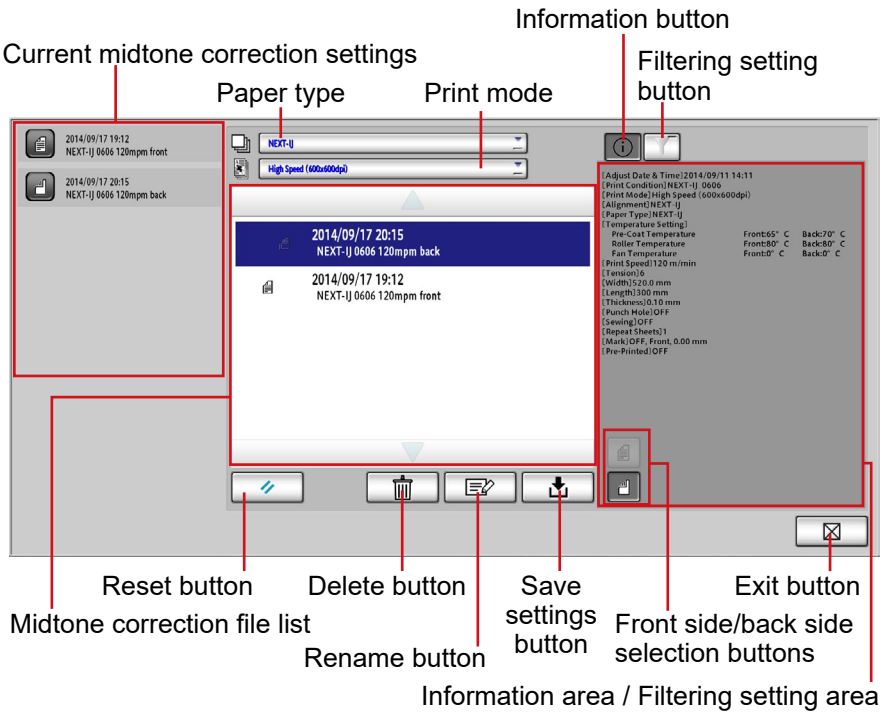
(2) Print the step chart using the adjustment print button of step 1 and perform adjustment.

Note

To register the current midtone correction data of the front side and back side as a set, use the snapshot button. The snapshot registered is displayed in the midtone correction rollback screen, allowing you to manage the front side and back side together.

■Modifying the midtone correction file (Midtone correction rollback)

The midtone correction file that is set for each print side can be modified.



Operation

1) From the current midtone correction settings, select the front side and back side to be modified.
   A history of the midtone correction files of the selected paper type and print mode is displayed in the midtone correction file list.
2) Select a midtone correction file to be used from the midtone correction file list.

Note

- The midtone correction files can be filtered using the selections in the print mode and paper type pull-down lists.
- When you press the reset button, the default settings are restored. When you press the delete button, the midtone correction file is deleted.
  When you press the rename button, you can enter a name for the midtone correction file.

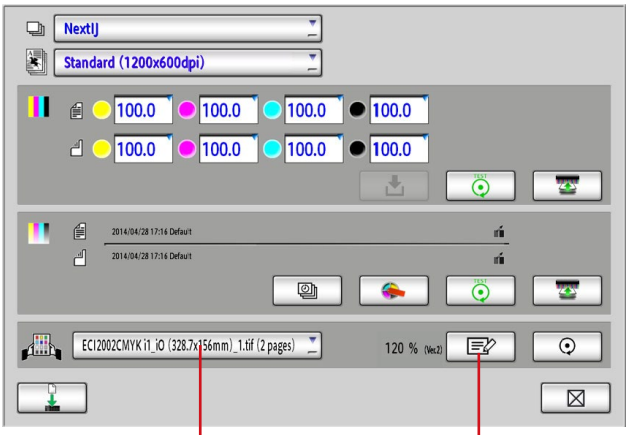
3) Press the save settings button. The specified midtone correction settings are applied to the specified side of the paper.
4) Press the exit button. The rollback screen is closed.

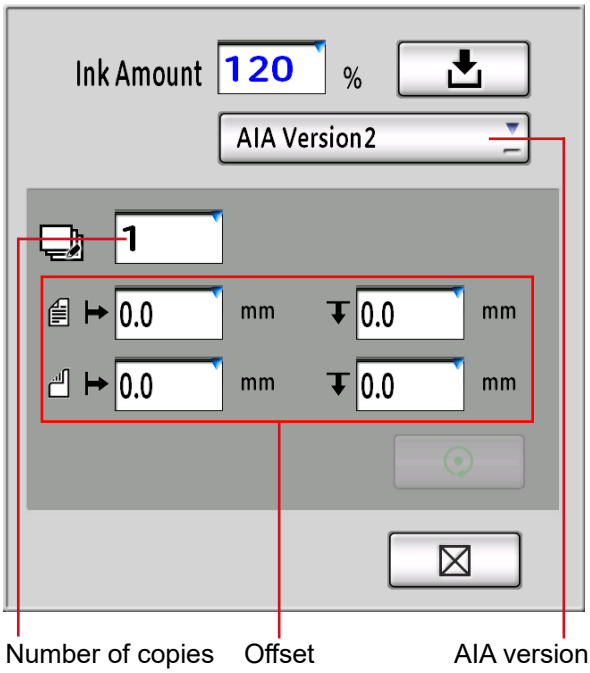
Note

- When you press the information button, the information area shows the print condition settings applied when creating the midtone correction file selected in the list of midtone correction files.
- When you select the filtering setting button, the filtering settings are displayed. If you turn ON the button on the filtering settings, the midtone correction file list shows only the files that match the conditions specified by the button.

5.12.2 ICC profile creation chart printing

This feature is not available on TP-J520HD mono.





■Printing an ICC profile creation chart

Operation

1) Before printing an ICC profile creation chart, adequate ink amount for the selected print mode must be specified. The default value is 120%. Press the Advanced Ink Amount adjustment button to print special chart for determining the optimal value.

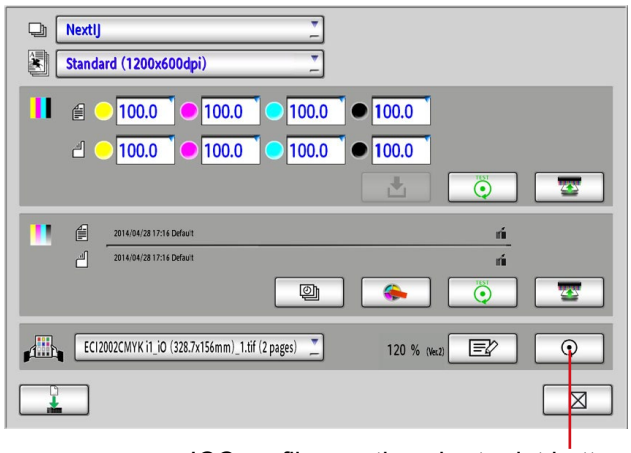
Note

Select AIA Version2 at AIA version option, unless you want to match the output provided prior to V3.40JD025.

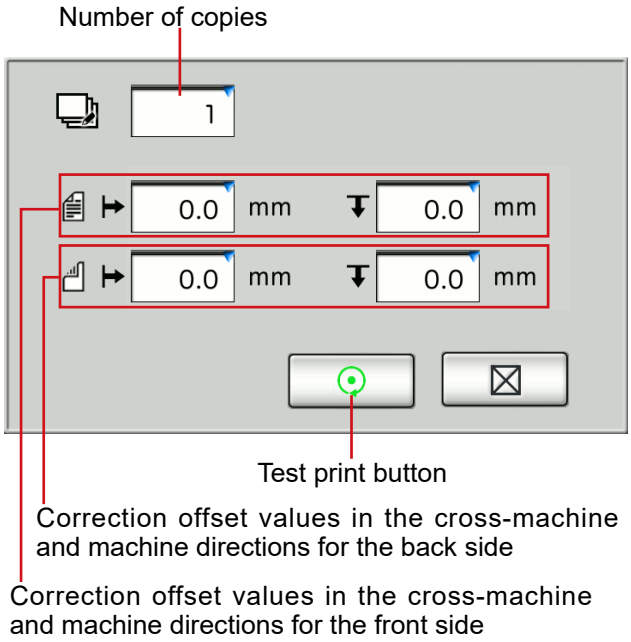
2) From the chart selection pull-down list, select a chart to be printed.
EQUIOS standard : When this option is selected, the EQUIOS standard chart is generated and then printed.
3rd party chart : When this option is selected, a registered chart of other vendors is printed.

Note

- A chart of other vendors can be registered in the file selection dialog box that is displayed by selecting “Add…”.
- A chart of other vendors can be deleted in the file deletion dialog box that is displayed by selecting “Delete”.
- If the file is composed of several sheets, the remaining sheets can be registered as a set by selecting the TIFF on the first sheet.
  When registering sheets, name the file according to one of the following rules.
  [File name] _n_m.tif
  n: Sheet No.
  m: Total number of sheets
  [File name] n.tif
  n: Sheet No.
  (Space between the file name and n)



3) Enter the ink amount, and then press the save settings button for ICC profile creation.
4) Press the ICC profile creation chart print button.



5) Enter the number of copies and the correction offset values in the cross-machine and machine directions for the front and back sides, and then press the test print button. The chart is printed.

Note

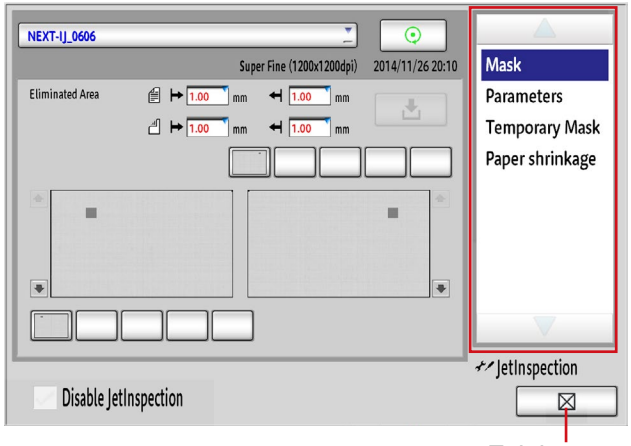
- If the chart overlaps the flushing line, adjust the offset values in the machine direction.
- When the paper width is small, the chart cannot be printed correctly. Check the print condition before printing the chart. (A paper width of approximately 250 mm or more is required for the EQUIOS standard chart.)

5.13 JetInspection

This screen is used to make required settings related to JetInspection.

Note

"JetInspection" is displayed when the user mode is "Expert" or "Service" only.



Select a desired menu item from the menu on the right side of the screen.

■Disabling JetInspection

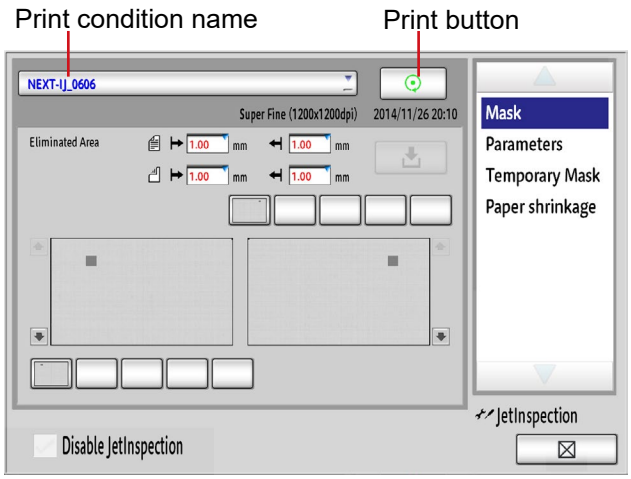
When adjustments and inspections using JetInspection are not to be performed, select the "Disable JetInspection" check box and then press the exit button.

Note

Disabling JetInspection will limit using JetInspection for nozzle clogging check and decoding barcodes and OCR characters. Buttons related to these functions will be hidden.

5.13.1 Adjustment printing settings

You can acquire the setup information with which adjustment printing has been completed from JetInspection. When a new print condition has been registered, perform an adjustment printing. If you change the conditions, perform the adjustment printing using the new conditions.



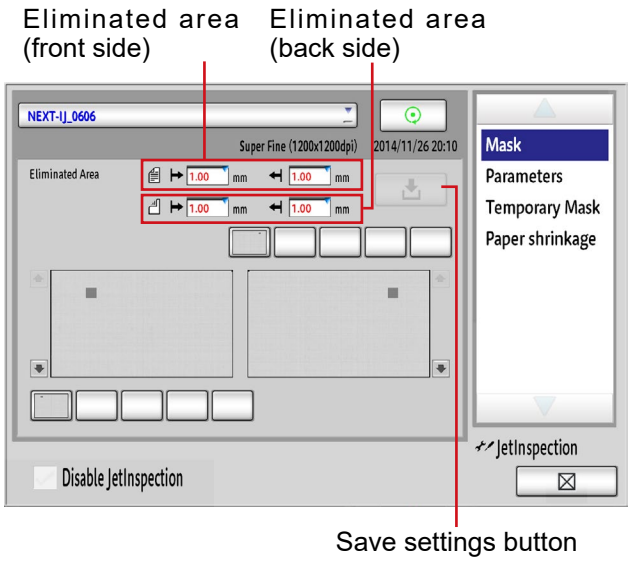
■Adjustment printing settings

Operation

1) The print condition name is displayed.
   Select a print condition name to be applied.
2) Press the print button.
   After an adjustment printing is completed, the latest date and time are displayed.

Note

The print button is available only when the current print condition name is selected.

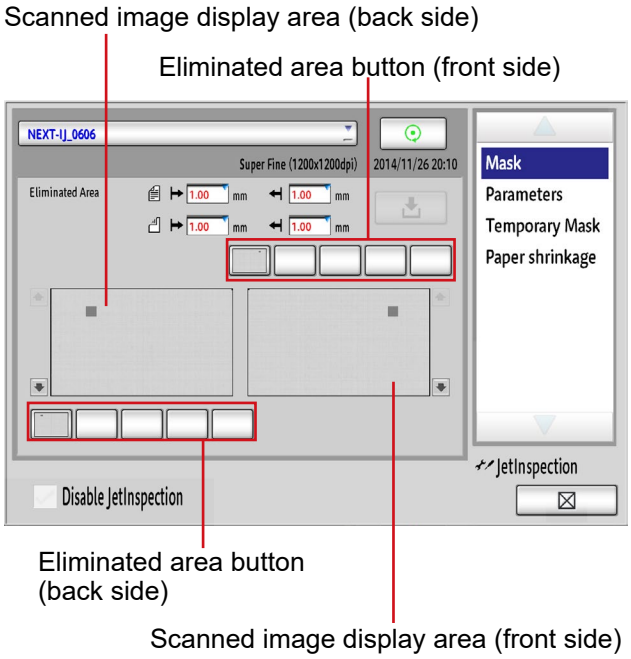


■Eliminated area settings

You can set the area from the paper edge in which inspection is not run during printing. These settings will be displayed only when JetInspection Full Variable Inspection option is available.

Operation

1) Set the area in which inspection is not run on the front and back sides respectively.
2) When you press the save settings button, the settings are saved.
   A preview of the specified eliminated area is displayed in the scanned image display area.

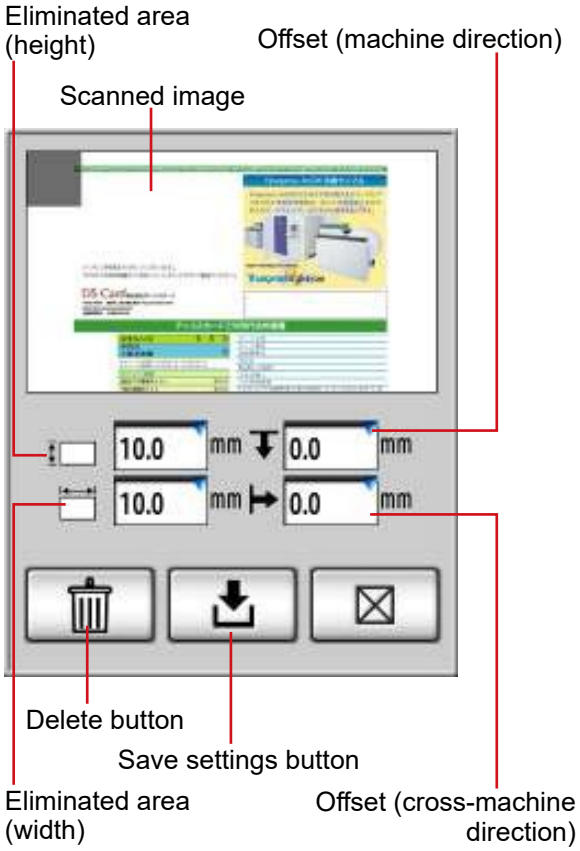


■Eliminated area button

You can set five areas in which inspection is not run during printing on the front side and back side respectively. This button will be displayed only when JetInspection Full Variable Inspection option is available.

Operation

1) Press the eliminated area button.



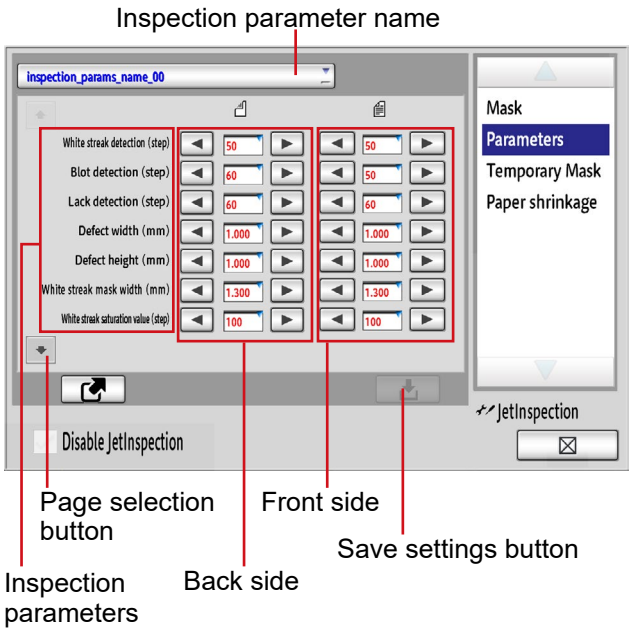
The eliminated area setting screen is displayed.

2) Set the height, width, offset (cross-machine direction), and offset (machine direction) of the eliminated area. Press the entry field, use the numeric keypad to enter the value, and then press .

3) When you press the save settings button, the settings are saved.
The image of the set eliminated area is displayed on the eliminated area button.

5.13.2 Inspection parameter settings

Set the conditions (threshold values) to determine the presence of defects for each inspection parameter. These settings will be displayed only when JetInspection Full Variable Inspection option is available.



■Inspection parameter settings

You can set graphic inspection parameters.

Operation

1) The inspection parameter name is displayed. Select the inspection parameter name to be applied.

Note

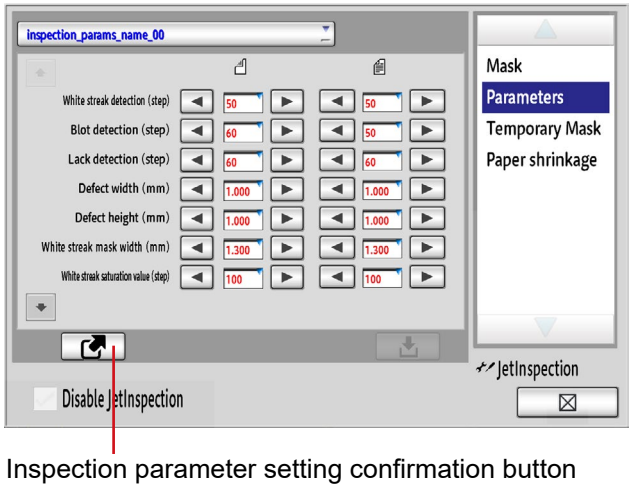
To register a new inspection parameter name, select “Add...” from the pull-down list of the inspection parameter names.

2) Set each inspection parameter using the arrow buttons for the front and back sides. The inspection parameters are spread across multiple screens. Use the page selection buttons to switch the page.

Note

- For more information about each inspection parameter, see “Details of inspection parameters”.
- The setting for the back side printer is displayed only for the duplex printing system.

3) When you press the save settings button, the settings are overwritten.



■Inspection parameter setting confirmation button

The names of print conditions that use the current inspection parameters are listed.

Operation

1) Press the inspection parameter setting confirmation button.
2) The names of print conditions that use the current inspection parameters are listed. Press the close button to finish.

■Details of inspection parameters

(1) White streak detection: unit (RGB tonal value), valid range (1 to 512)

This is the threshold value for the tone difference of the white streak detection.

Whitish (bright) parts in the machine direction on the camera image are compared to the reference image and these parts will be detected as white streaks if the average tone difference exceeds the set value. (Whether the part is detected as a defect is related to the settings for “White streak saturation value”.)

When the value is decreased, defects can be detected easily, and when the value is increased, defects are difficult to be detected.

Recommended setting: 12 to 15

(2) Blot detection: unit (RGB tonal value), valid range (1 to 255)

This is the threshold value for the tone difference of the blot detection.

A dark part on the camera image is compared to the reference image and this part will be a potential blot defect if the tone difference exceeds the set value. (Whether the part is detected as a defect is depending on the settings for “Defect width” and “Defect height”.)

When the value is decreased, defects can be detected easily, and when the value is increased, defects are difficult to be detected.

Recommended setting: 60 to 80 (When using a thin paper, the setting value for the back side is often larger than that for the front side due to the effect of offset.)

(3) Lack detection: unit (RGB tonal value), valid range (1 to 255)

This is the threshold value for the tone difference of the lack detection.

A bright part on the camera image is compared to the reference image and this part will be a potential lack defect if the tone difference exceeds the set value. (Whether the part is detected as a defect is depending on the settings for “Defect width” and “Defect height”.)

When the value is decreased, defects can be detected easily, and when the value is increased, defects are difficult to be detected.

Recommended setting: 60 to 80

(4) Defect width: unit (mm), valid range (0.1 to 35)

This is the threshold value for the size in the cross-machine direction of the blot and lack detections.

If the size of a potential defect, where the setting value for “Blot detection” or “Lack detection” is exceeded, is larger than this value, it will be a potential defect. (Whether the part is detected as a defect is depending on the settings for “Defect height”.)

When the value is decreased, defects can be detected easily, and when the value is increased, defects are difficult to be detected.

Recommended setting: 0.5 to 1.5

(5) Defect height: unit (mm), valid range (0.1 to 80)

This is the threshold value for the size in the machine direction of the blot and lack detections.
This value is detected as a defect if the size of a potential defect that exceeds the setting value for “Blot detection” or “Lack detection”, and “Defect width” is larger than this value.
When the value is decreased, defects can be detected easily, and when the value is increased, defects are difficult to be detected.
Recommended setting: 0.5 to 1.5

(6) White streak mask width: unit (mm), valid range (0.1 to 10)

This is the mask value to reduce the false positive detection of white streaks around the edge of an object, such as a tint.
The false positive detection of white streaks caused by position misalignment due to paper skewing (web wandering), expansion, or shrinkage can be reduced using this value.
When the value is decreased, white streaks close to the edge are detected, and when the value is increased, only the white streaks far from the edge are detected.
Recommended setting: 1.0 to 1.5

(7) White streak saturation value: unit (RGB tonal value), valid range (1 to 255)

You can specify the conditions to reduce the false positive detection of white streaks in bright locations when the printing density is low.
White streaks will not be detected in bright locations where the average tone value in the machine direction is the same or more than the setting value.
When the value is increased, white streaks are detected even in bright locations, and when the value is decreased, white streaks are detected only in dark locations.
Recommended setting: Around 80

(8) Blot/Lack detection mask width: unit (mm), valid range (0.5 to 3.0)

This is the mask value to reduce the false positive detection of blots/lacks around the edge of an object, such as text, keylines, or graphics.
The false positive detection of blots and lacks caused by position misalignment due to paper skewing (web wandering), expansion, or shrinkage can be reduced using this value.
When the value is decreased, blots and lacks are detected even if they are close to the edge, and when the value is increased, only the blots and lacks far from the edge are detected.
Recommended setting: 1.0

(9) Preprint mask width: unit (mm), valid range (0.5 to 3.0)

This is the mask value to reduce the false positive detection of blots and lacks around the edge of an object, such as preprinted text or keylines.

The false positive detection of blots and lacks caused by position misalignment due to paper skewing (web wandering), expansion, or shrinkage can be reduced using this value.

When the value is decreased, blots and lacks are detected even if they are close to the edge, and when the value is increased, only the blots and lacks far from the edge are detected.

Recommended setting: 1.0

(10) Streak blot inspection, valid value (0, 1)

The streak inspection function can be turned ON/OFF.

(11) Streak blot value: unit (RGB tonal value), valid range (0 to 255)

This is the threshold value for the tone difference of the streak blot detection.

The integration processing in the height direction is applied to each pixel of the camera image and reference image. Then, the values are compared. If the tone difference between them is the same as or more than the set value, this part is a potential streak blot defect. (When the value is detected as a defect is depending on the settings for “Streak defect min width” and “Streak defect max width”.)

When the value is decreased, defects can be detected easily, and when the value is increased, defects are difficult to be detected.

Recommended setting: 30

(12) Streak blot filter size: unit (mm), valid range (0.072 to 1.080)

This is the mask value to reduce the false positive detection of streak blots around the edge of an object, such as text, keylines, or graphics.

The false positive detection of streak blots caused by position misalignment in the width direction due to paper skewing (web wandering), expansion, or shrinkage can be reduced using this value.

When the value is decreased, streak blots are detected even if they are close to the edge, and when the value is increased, only the streak blots far from the edge are detected.

Recommended setting: 0.500

(13) Eliminating set-off of streak blots: unit (tonal value), valid range (0 to 255)

This is the threshold value for the tone difference to eliminate show-through.

The areas with a lower tone value than this value are eliminated as paper white.

Decrease the value when patterns show through to the other side in high density.

Recommended setting: 150

(14) Integrated height of streak blots: unit (mm), valid range (0.675 to 13.5)

You can set the size to be integrated in the height direction during the streak blot detection. When the value is decreased, defects can be detected easily, and when the value is increased, defects are difficult to be detected.

Recommended setting: 2.7

(15) Minimum width of streak blot defect: unit (mm), valid range (0.072 to 3.6)

This is the threshold value for the size in the width direction of the streak blot detection.

Among the potential defects where the specified streak blot value is exceeded, those with a width that is the same as or wider than this value but not exceeding the value specified as the maximum width of streak blot defects will be detected as defects.

Recommended setting: 0.216

(16) Maximum width of streak blot defect: unit (mm), valid range (0.072 to 3.6)

This is the threshold value for the size in the width direction of the streak blot detection.

Among the potential defects where the specified streak blot value is exceeded, those with a width that is wider than the value specified as the minimum width of streak blot defects and is the same as or less than this value will be detected as defects.

Recommended setting: 1.008

(17) Red defect appearance ratio:unit(%), valid range (2 to 100)

This is the threshold value for red defect appearance ratio.

When defect appearance ratio exceeds the specified value, a red box will be displayed on the preview image in print monitor.

Recommended setting: 20

(18) Orange defect appearance ratio:unit(%), valid range (1 to 99)

This is the threshold value for orange defect appearance ratio.

When defect appearance ratio exceeds the specified value, an orange box will be displayed on the preview image in print monitor.

Recommended setting: 10

(19) Auto stop:valid range (0 to 2)

This is the setting to stop printing after detecting defects.

Value other than 0 will stop printing when defects on an area exceeds specified count.

Set 1 to stop printing after red defect count is met.

Set 2 to stop printing after red or orange defect count is met.

(20) Red defects to stop:unit(counts), valid range (1 to 9999)

This is the count to stop printing after red defect appearance ratio is met per print head.

Recommended setting: 1

(21) Orange defects to stop:unit(counts), valid range (1 to 9999)

This is the count to stop printing after orange defect appearance ratio is met per print head.
Recommended setting: 10

Note

The following describes the inspection parameters to detect each type of defect.

- Blot defect conditions
  The tone difference is more than the value of “(2) Blot detection”.
  The size is larger than the value of “(4) Defect width”.
  The size is larger than the value of “(5) Defect height”.
  An object is detected as a blot defect when the conditions above are all satisfied.

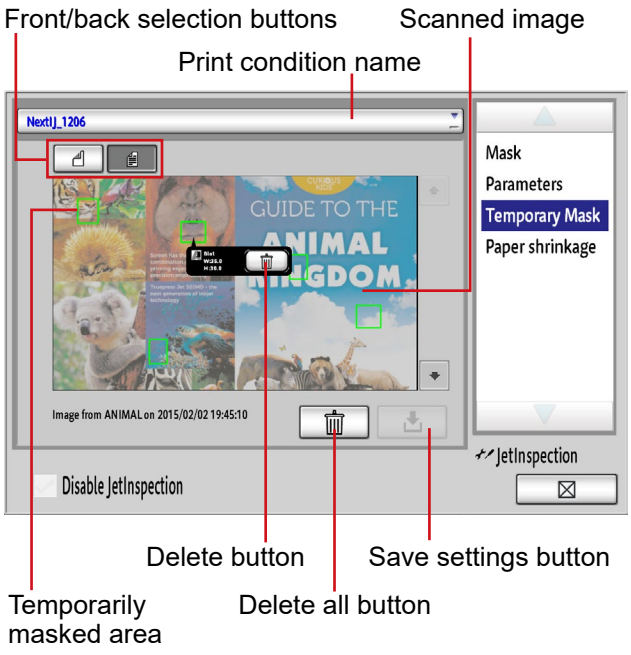
- Lack defect conditions
  The tone difference is more than the value of “(3) Lack detection”.
  The size is larger than the value of “(4) Defect width”.
  The size is larger than the value of “(5) Defect height”.
  An object is detected as a lack defect when the conditions above are all satisfied.

- White streak defect conditions
  The printing density is higher than the value of “(7) White streak saturation value”.
  The tone is lower than the value of “(1) White streak detection”.
  An object is detected as a white streak defect when the conditions above are all satisfied.

- Streak blot defect conditions
  The tone difference is more than the value of “(11) Streak blot value”.
  The size is larger than the value of “(15) Minimum width of streak blot defect”.
  The size is smaller than the value of “(16) Maximum width of streak blot defect”.
  An object is detected as a streak blot defect when the conditions above are all satisfied.

5.13.3 Temporary mask

You can delete the temporary mask setting made when printing is performed. This screen will be displayed only when JetInspection Full Variable Inspection option is available.



Operation

1) The print condition name is displayed. Select a print condition name to be applied.

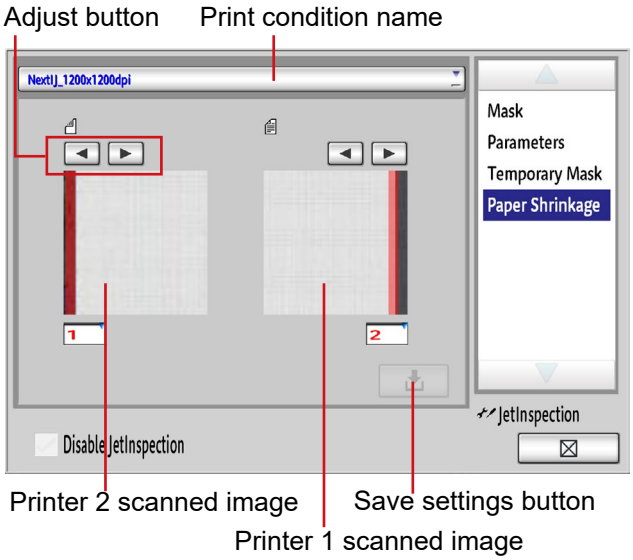
Note

Select the target side using the front/back selection button. This setting is displayed only for a duplex printing system.

2) Delete the temporary mask setting.
   To delete all temporary mask settings, press the delete all button.
   To delete specific temporary mask settings, select the temporary mask settings to be deleted in the scanned image and then press the delete button that is displayed.
3) When the confirmation dialog box is displayed, press “Yes”.
4) When you press the save settings button, the settings are overwritten.

5.13.4 Paper shrinkage

You can adjust the scanning position according to paper shrinkage caused by dryer. This screen will be displayed only when JetInspection Full Variable Inspection option is available.



Operation

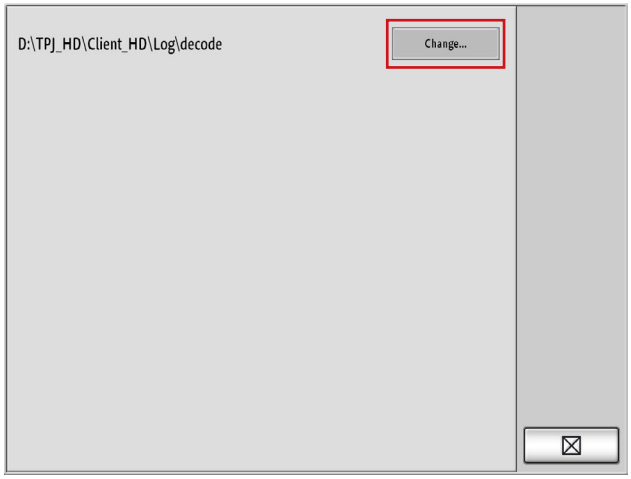
1) The print condition name is displayed. Select a print condition name to be applied.
2) Adjust the position of the red marker so that paper edge is within the range.
3) When you press the save settings button, the settings are overwritten.

Note

The scanned image will only be displayed after running adjustment printing.

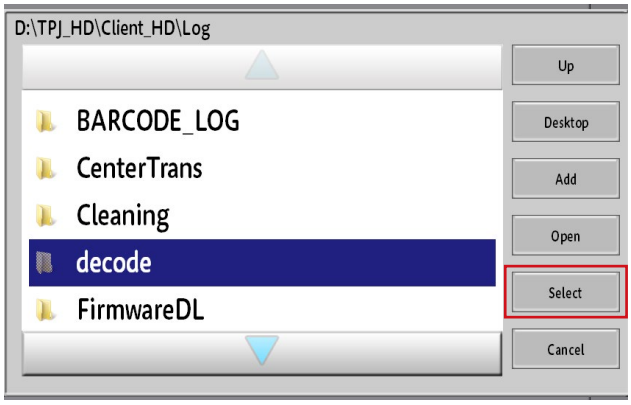
5.14 OCR decode

You can set the destination folder for saving the results of decoding after a job has been printed.
You can change the destination folder when the selected user mode is “Expert” or “Service”.



Operation

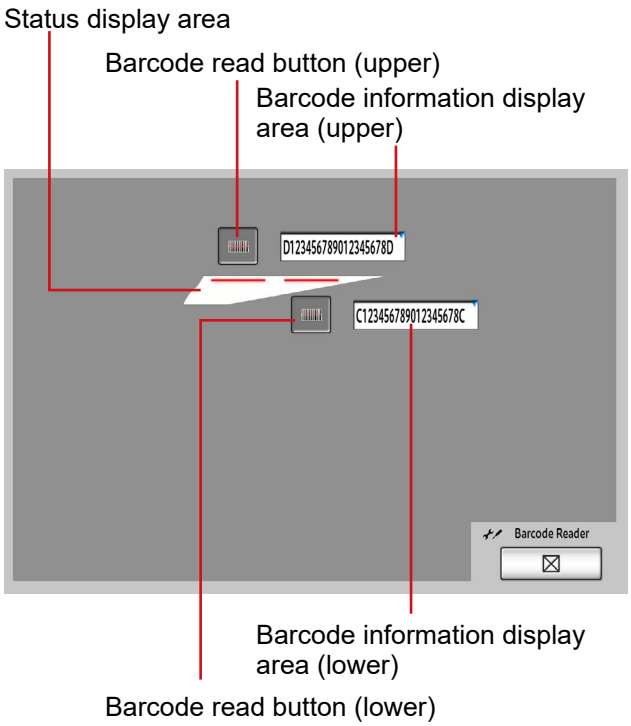
1) Press the “Change…” button.



2) Select the destination folder, and press “Select”.

5.15 Barcode reader

You can manually turn on and off the barcode reader to check the reading position.



Operation

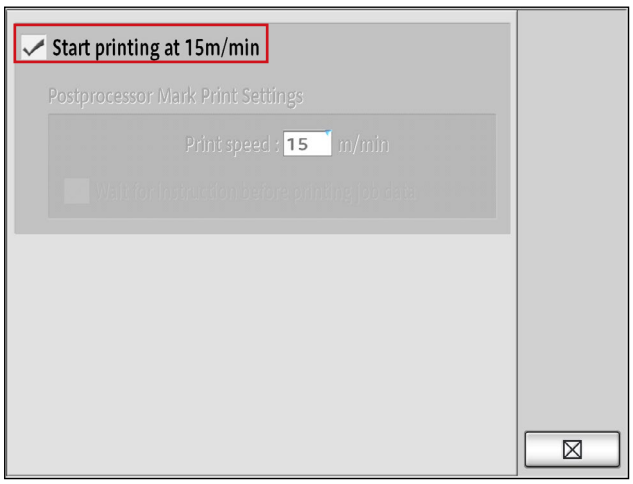
1) Select the barcode read buttons.
   The barcode reader lights up and the laser ON status (▬▬) is indicated in the status display area.
2) Deselect the barcode read buttons.
   The barcode reader turns off and the status display area shows the laser OFF status.

Note

For a duplex printing system, the barcode reader is normally placed on the back side printer only (The barcode reader supports both front and back sides of sheets).

5.16 Print start speed

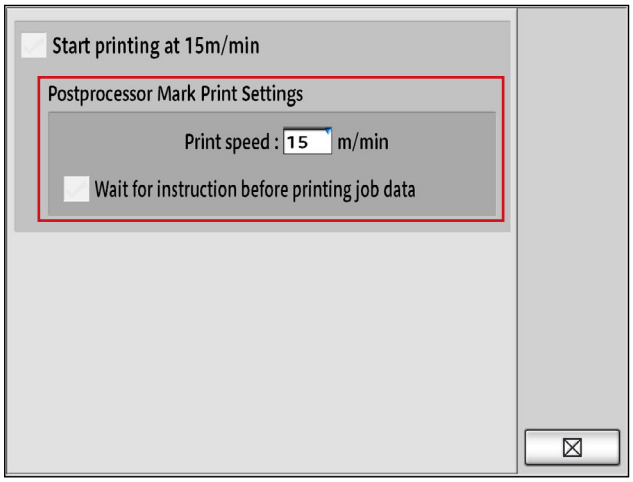
The initial print speed can be set slower than the job setting so that you can visually check the printhead conditions at the beginning of printing. After the conditions are checked, the print speed can be changed to the job setting speed.



■Fixing the initial print speed

To set the initial print speed so it is slower than the job setting, select the “Start printing at 15 m/min” check box.

When this is selected, the print start speed and the print speed of the job are displayed on the start printing button on the status bar.



■Postprocessor mark print settings

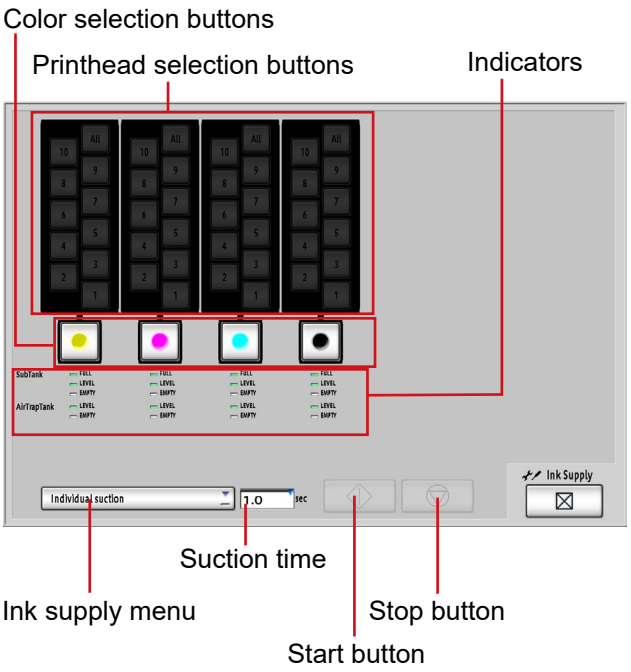
The print speed to print the postprocessor mark can be set.

Operation

1) Enter the print speed at the beginning of the postprocessor mark printing.
2) When the print speed is not to be accelerated after printing of the postprocessor mark starts, select the “Wait for instruction before printing job data” check box.
   When this is selected, the print start speed and the print speed of the job are displayed on the start printing button on the status bar.

5.17 Ink supply

You can unlock the ink cartridge boxes, change ink types, and suction ink when replacing the inks.



Operation

1) Select an operation item from the ink supply menu.

Unlock Cover (upper/lower)

The lock of the ink cartridge box (upper/lower) of the selected color is released.

Change Ink Type

The ink type can be changed.

The ink of the selected color is extracted and discharged to the waste liquid tank.

The suction time for each printhead can be set in the suction time field.

Individual suction

All printheads of the specified color are extracted individually.

After the suction, each printhead is cleaned and the ink is discharged from the top of the cap.

The printhead selection buttons are disabled.

2) Select a color using the color selection buttons.

You can select multiple colors at the same time.

3) When you have selected “Change Ink Type”, select the target printhead numbers for suction.

4) When you have selected “Change Ink Type” or “Individual suction”, set the suction time.

Press the suction time entry field, enter a suction time using the numeric keypad, and then press .

5) Press the start button.

The ink supply processing starts.

Note

- To interrupt or stop the processing, press the stop button.
- The indicators allow you to check the remaining volume of the sub tank and air trap tank at three levels: FULL, LEVEL, and EMPTY.

5.18 Displaying the log

The log screen allows you to check system error information and usage status.

Messages are displayed by type in different colors in the log screen as shown below.

Error : Displayed in red when  is on.

Warning : Displayed in yellow when  is on.

Information : Displayed in black when  is on.

Operation : Displayed in blue when  is on.

If you turn the buttons above off, their corresponding messages are not displayed.

Scroll buttons

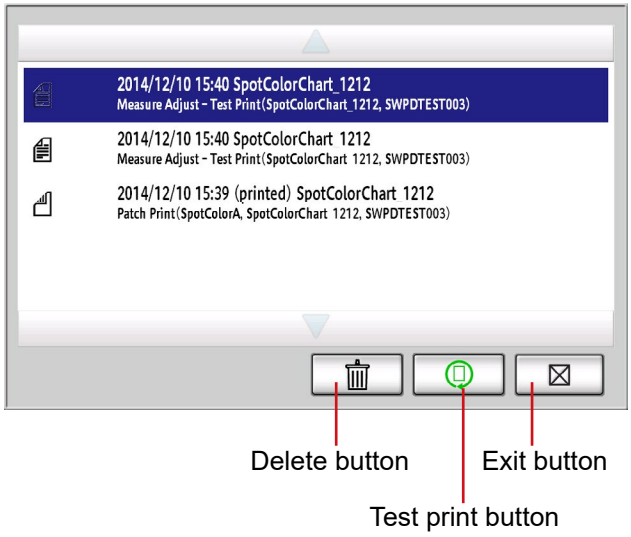
When you press  or  , the screen scrolls to the top or bottom of the display.

When you press  or  , the screen scrolls up or down by one line.

Print history : When you press  , the print history screen is displayed. For more information, see “3.6 Print history screen”.

5.19 Spot color chart

The spot color chart screen is used to print spot color charts for spot color adjustments. This feature is not available on TP-J520HD mono.



Operation

1) Perform printing of a spot color chart from Profile Editor in EQUIOS or SpotEditor in the Media Admin Tool.

Note

When printing of a spot color chart is performed from EQUIOS or the Media Admin Tool, the “New spot color chart is registered!” message is displayed in the warning display area on the status bar.

2) In the spot color chart screen, select a job to be printed and then press the test print button to start printing of the spot color chart. Adjust the spot color using the printed spot color chart

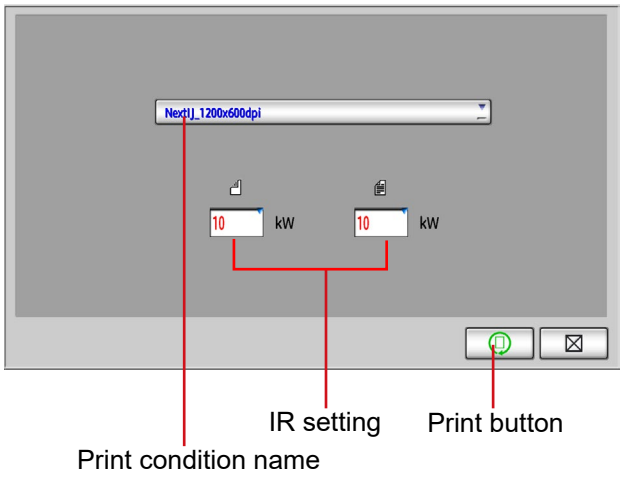
Note

- For more information about the spot color adjustment, see the EQUIOS Reference Manual or the Media Admin Tool Users Manual.
- When you press the delete button, the job relevant to the selected spot color chart is deleted.

3) Press the exit button. The spot color chart screen is closed.

5.20 IR chart

The IR chart screen is used to adjust IR power.



Note

This screen is displayed for all users. This screen will not be displayed when IR option is not available.

Operation

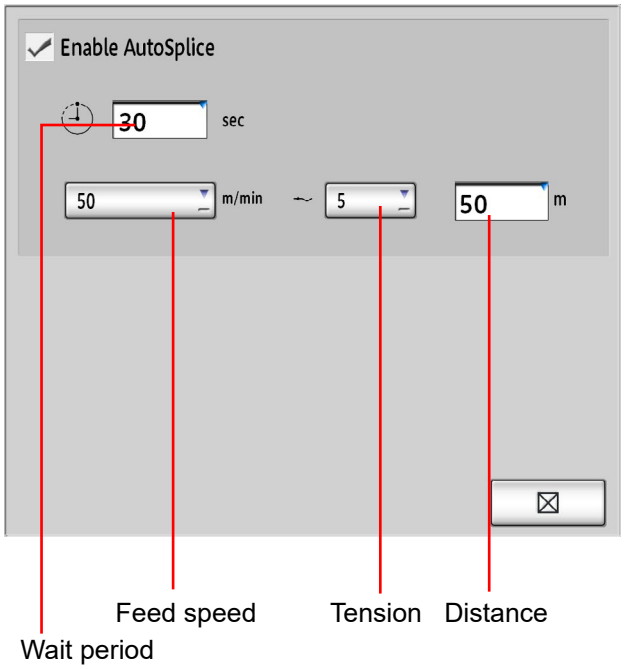
1) Select the print condition name to adjust from the menu.
2) Change the IR settings.
3) Press the print button to produce a test chart. Lower the power when blisters are visible on the printed chart.

Note

Print button will be disabled when print conditions other than current (blue) setting is selected.

5.21 AutoSplice

The AutoSpliece screen is used to adjust AutoSplice sequence.



Note

This screen is displayed for all users. This screen will not be displayed when AutoSplice option is not available.

Operation

1) Set the “Enable AutoSplice“ option to use AutoSplice feature. When this option is checked, low paper warning from the unwinder will start the AutoSplice sequence. When the AutoSplice sequence starts, printing will be stopped temporarily, allowing the splicer to make the splice. The paper will be fed until the splice passes both printers before printing restarts automatically.
2) Adjust the “Wait period“ to gain enough time for the splicer to make the splice.
3) Set the “Feed speed”, “Tension” and “Distance” to adequate values, so that the splice will go through both printers safely.

Chapter 6

JI Client

6.1 JI Client

JI Client is an application software for checking the inspection results of jobs printed in the past and for outputting report files.
As it can be used alone, you can check the inspection results without interrupting any operation on the printer, such as job setting and printing.
It is also possible to install JI Client onto a Windows computer and thereby search for job inspection results as well as restart or shut down the JI system server.
You can browse job inspection results via the EQUIOS Center server even from a computer that is not on the same network as the JI system.

6.1.1 Starting up JI Client

Once JI Client is installed onto a computer, the JiClientConcierge.exe shortcut icon is created on the desktop.

Note

JiClientConcierge is an application that always starts the latest version of JI Client.

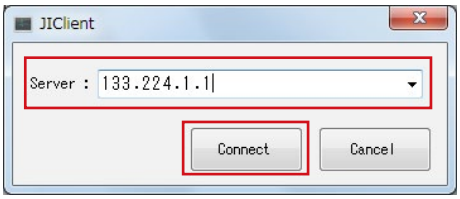
Operation

1) Double-click 

.

When JI Client starts up, the EQUIOS Center server selection window is displayed.

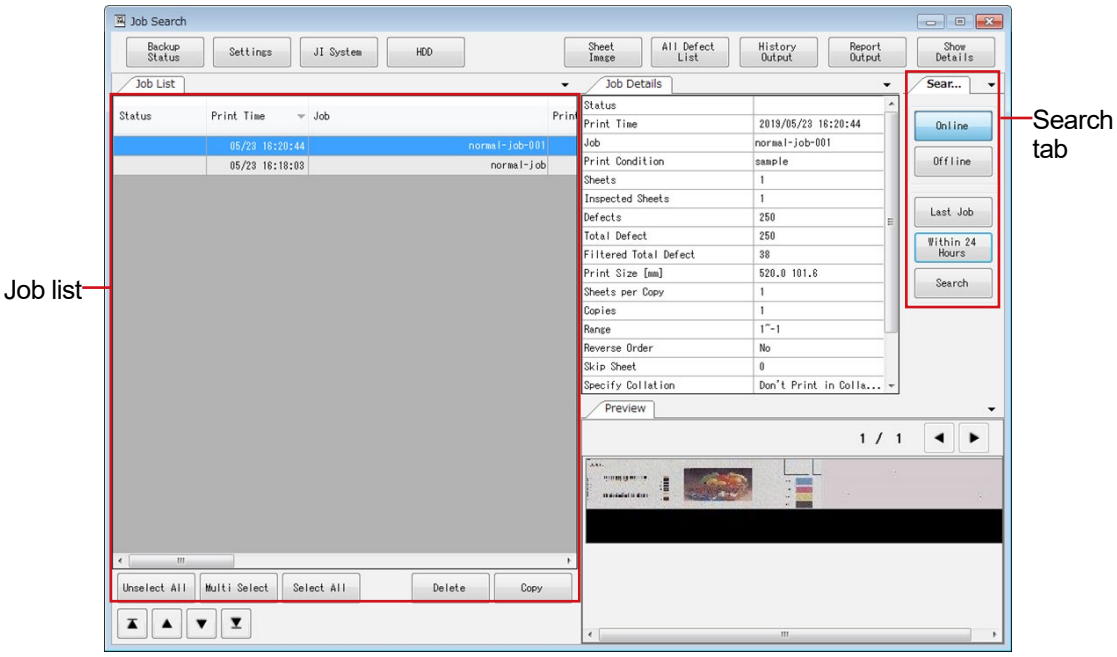
2) Enter the IP address, host name, or machine name of the target server and then click the “Connect” button.



Note

Once the connection is successfully established, the server can be selected from the pull-down list from the next startup.

JI Client starts up.



Immediately after starting the application, the job list shows the jobs that have been printed in the last 24 hours.
If no job has been printed in the last 24 hours, the search dialog box is displayed. For more information, see “6.2.5 Search tab”.

6.1.2 Shutting down JI Client

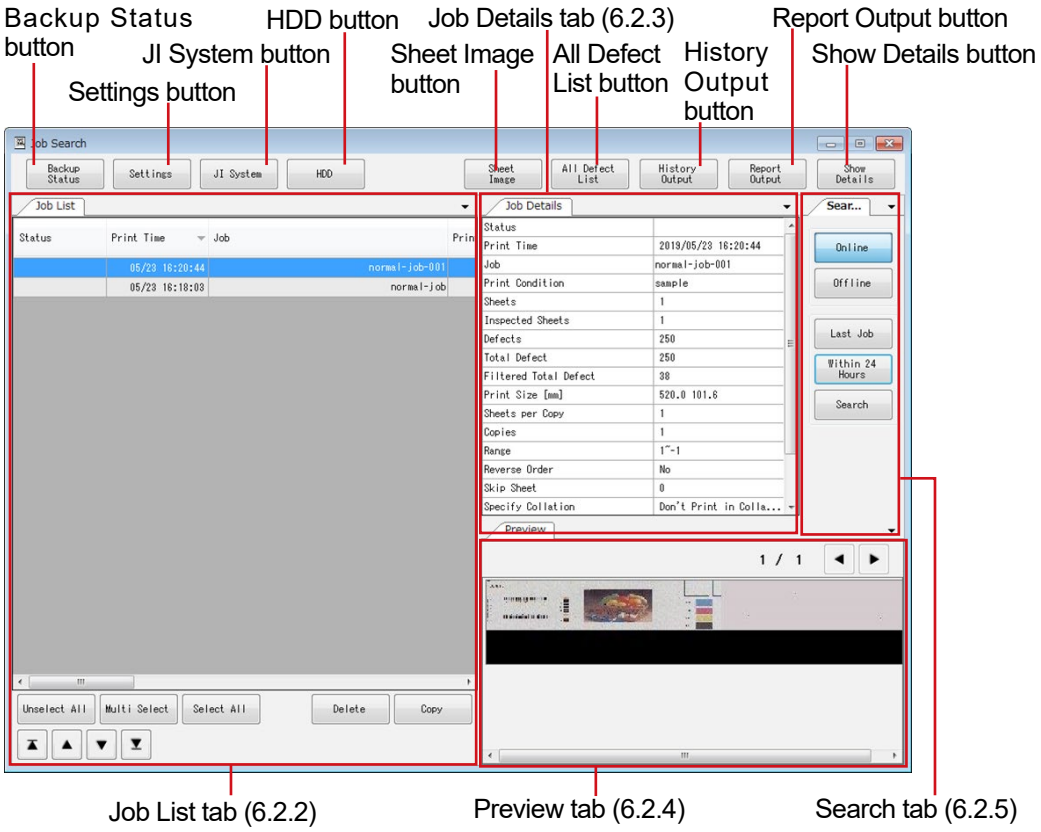
After checking inspection results or changing settings, click  (close button) to shut down JI Client.

Note

If you click the close button during deletion or copying of a job, the following message may be displayed.

6.2 Main window and functions of JI Client

6.2.1 Main window



■Backup Status button

Click the “Backup Status” button to display the “Backup Details” window. For more information, see “6.6.2 Backup Details window”.

■Settings button

Click the “Settings” button to display the “Settings” window. For more information, see “6.7 Environment settings”.

■JI System button

Click the “JI System” button to display the “JI System” dialog box. For more information, see “6.9 JI system control”.

■HDD button

Click the “HDD” button to display current disk usage and remaining space.

■Sheet Image button

Click the “Sheet Image” button to display stored image for the selected job. For more information, see “6.4 Viewing stored images“.

■All Defect List button

Click the “All Defect List” button to display defect images for the selected job. For more

information, see “6.8 Viewing defect images“.

■History Output button

Click the “History Output” button to output the contents in job list to a CSV file.

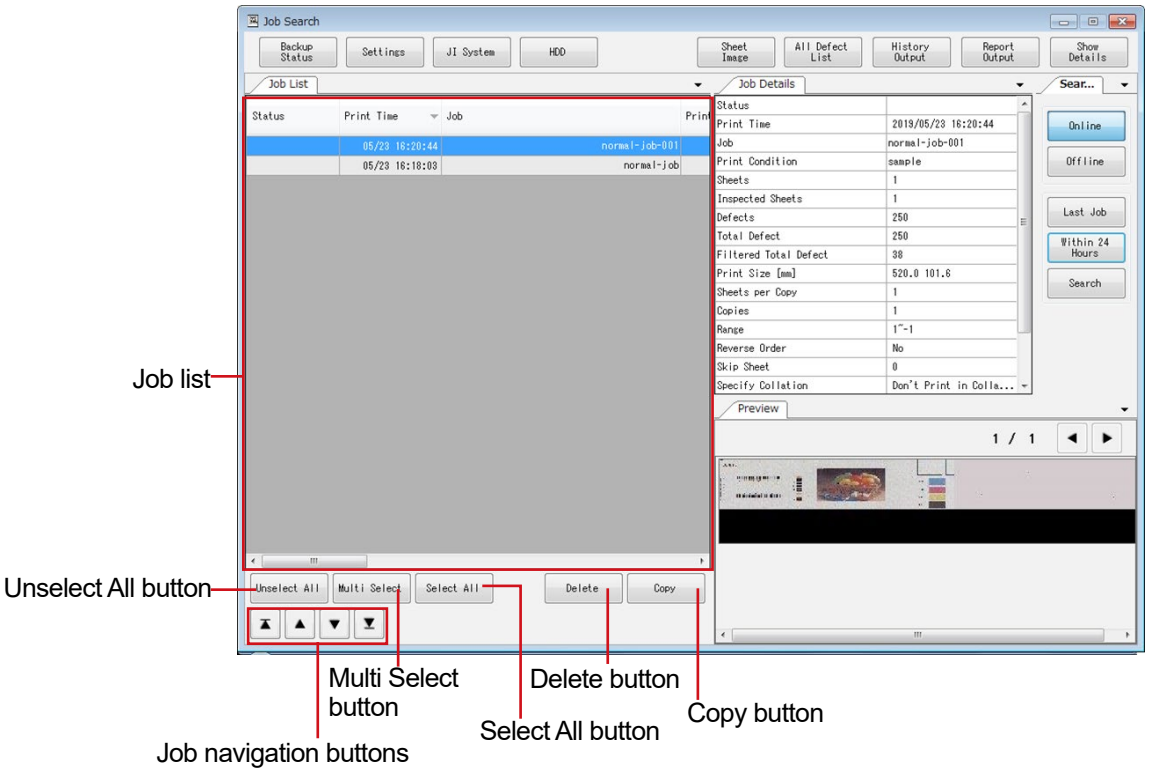
■Report Output button

Click the “Report Output” button to output a report file in the summary report mode and then display the destination folder for the report file. The destination folder can be set via the “Report” button in the “Settings” window. For more information, see “6.5 Report file output”.

■Show Details button

Click the “Show Details” button to display the inspection results details window for the job selected in the “Job List” tab. For more information, see “6.3 Inspection result display”

6.2.2 Job List tab



■Job list

Shows the status, printing date and time, job name, and print conditions of the inspection result data.

Double-click a job with image inspection or decode setting in the job list, and the inspection results details window is displayed.

Note

- When the same job is printed on the printer at different times, the JI client displays the job for each print run as an individual job.
- When the job name, paper type, inspection parameter name, or print condition name cannot be fully displayed, some characters are omitted as “...”.

■Unselect All button

Click the “Unselect All” button to clear the selection of all selected jobs.

■Multi Select button

This button is used to select multiple jobs.

Operation

1) Click to select jobs in the job list.
2) Click the “Multi Select” button.
   The selected jobs turn to orange, indicating that they are selected.

■Select All button

Click the “Select All” button to select all jobs.

■Delete button

Deletes the job selected in the job list. For more information, see “6.6 Copy and deletion of inspection result data”.

■Copy button

Copies the job selected in the job list. For more information, see “6.6 Copy and deletion of inspection result data”.

■Job navigation buttons

These buttons are used to switch the selected job from the current one to another one.

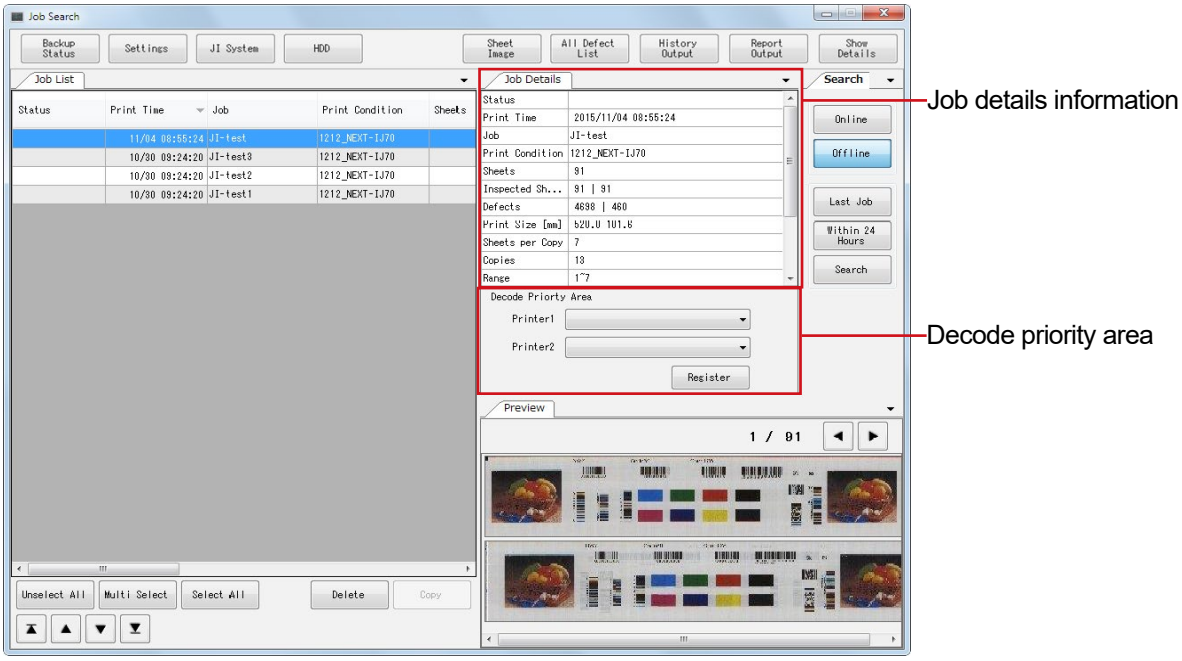
 Selects the first job in the list.

 Selects the previous defect job with respect to the selected job.

 Selects the next defect job.

 Selects the last job in the list.

6.2.3 Job Details tab



Note

The back side printer information is displayed only when a duplex printing job is selected.

■Job details information

Shows the detailed information of the job selected in the file list.

- Print Time
- Job
- Print Condition
- Sheets
- Inspected Sheets P1 (front side printer) | P2 (back side printer)
- Defects P1 (front side printer) | P2 (back side printer)
- Print Size [mm]
- Sheets per Copy
- Copies
- Range
- Output
- Skip Sheet
- Specify Collation
- Inspection Result [MB]
- Inspection Parameter

Note

When the job name, paper type, inspection parameter name, or print condition name cannot be fully displayed, some characters are omitted as "...". For jobs without image inspection, defect count will be displayed as 0.

■Decode Priority Area

Allows you to register a priority item in the decode area.

Operation

1) Select a priority item for each of Printer 1 (front side printer) and Printer 2 (back side printer).

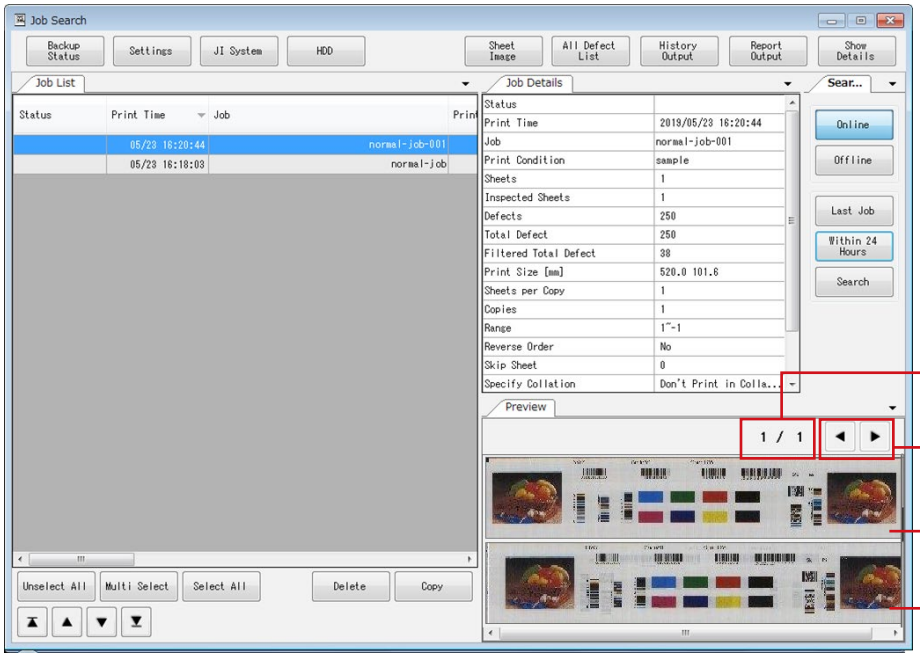
2) Click the "Register" button.

Note

The pull-down list shows the label names of the decode area.

For more information about the label names, see "3.3.3 Decode area detailed settings dialog box".

6.2.4 Preview tab



Note

The back side printer information is displayed only when a duplex printing job is selected.

Sheet images are displayed only when image inspection was enabled.

■Sheet number / Total number of sheets

Shows the sheet number and total number of sheets of the job selected in the job list.

■Sheet image P1 (front side printer) / P2 (back side printer)

Shows the sheet image of the job selected in the job list.

■Sheet image selection buttons

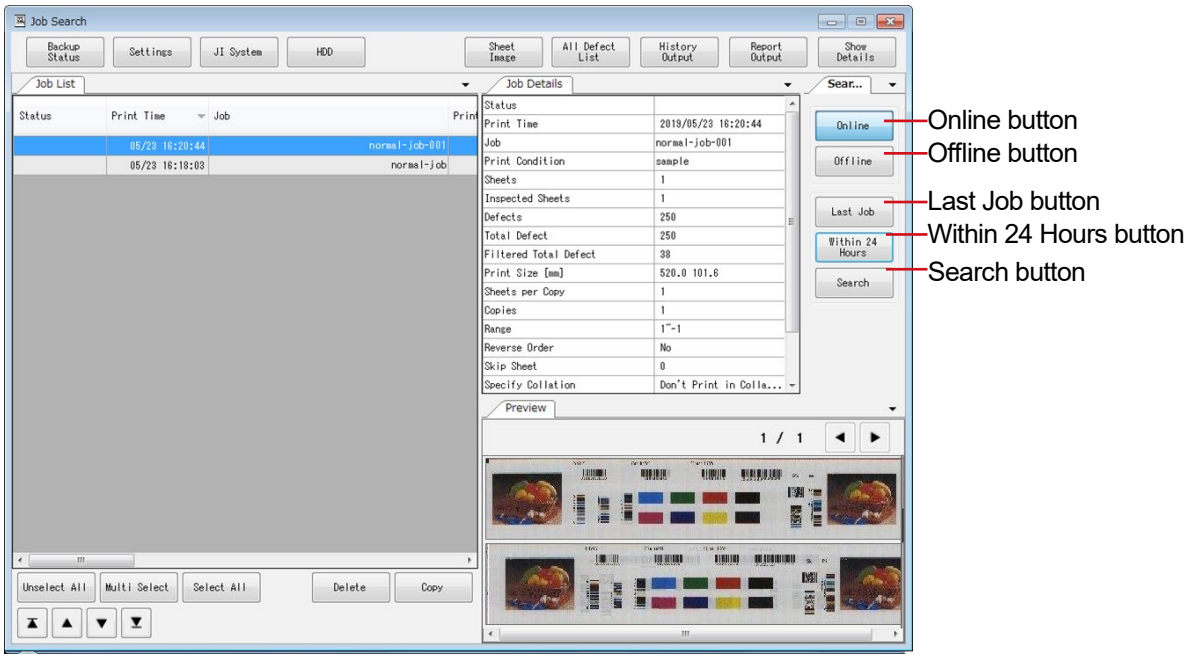
These buttons are used to switch the sheet image that is displayed.

◀ Switches to the previous sheet number image.

▶ Switches to the next sheet number image.

6.2.5 Search tab

You can specify the job that is displayed in the job list.



■Online button

Establishes the connection with the JI system server and displays the jobs online in the job list.
For more information about online setting, see “6.7.2 Data management”.

■Offline button

Displays the jobs in the specified browsing destination folder for offline operation in the job list. This occurs in cases such as when the computer is not on the same network as the JI system.
For more information about the setting of the browsing destination, see “6.7.2 Data management”.

■Last Job button

Displays the inspection results details window for the last printed job. For more information, see “6.3.2 Inspection results details window”.

■Within 24 Hours button

Displays the jobs printed in the last 24 hours in the job list.

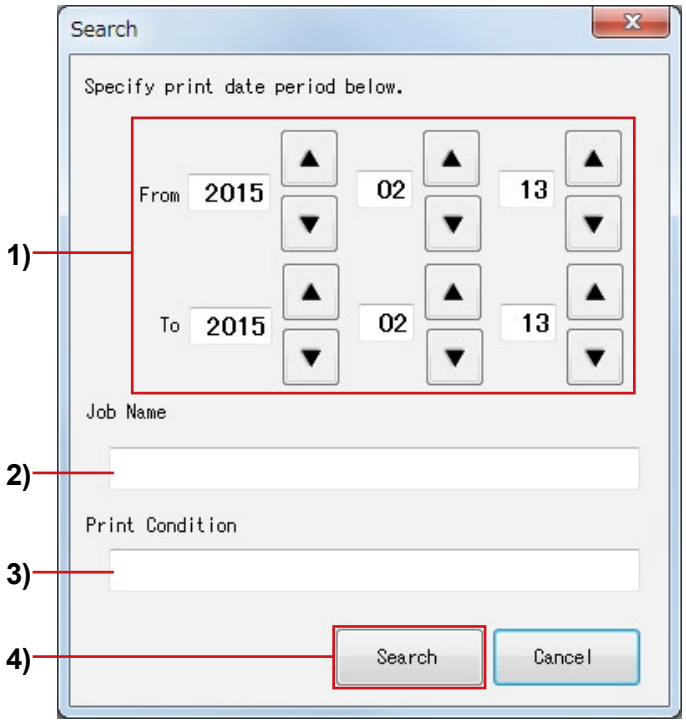
■Search button

Displays the “Search” dialog box.

Specify the period, job name, and print conditions in the “Search” dialog box to search for jobs in the job list.

Operation

1) Enter numeric values to the entry fields under “Specify print date period below.”, or click ▲ / ▼ to set “From” and “To” dates.
2) Enter a keyword in the “Job Name” field to filter job names by keyword search.
   When the “Job Name” field is left blank, a job name is not used for filtering.
3) Enter a keyword in the “Print Condition” field to filter names of print conditions by keyword search.
   When the “Print Condition” field is left blank, a name of print conditions is not used for filtering.
4) Click the “Search” button.



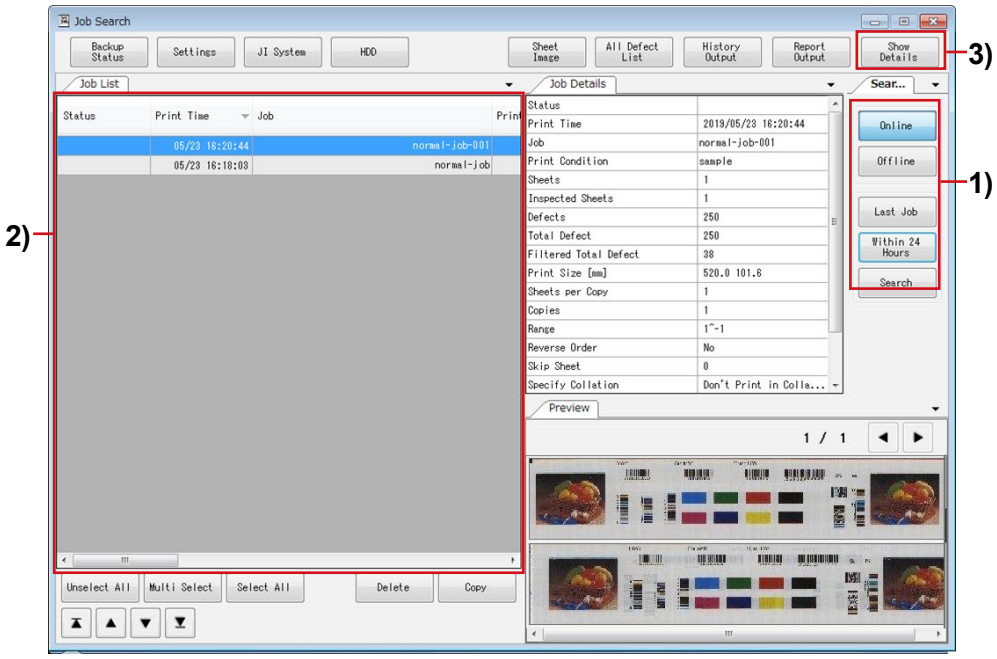
Only the jobs that match the specified conditions are displayed in the job list.

6.3 Inspection result display

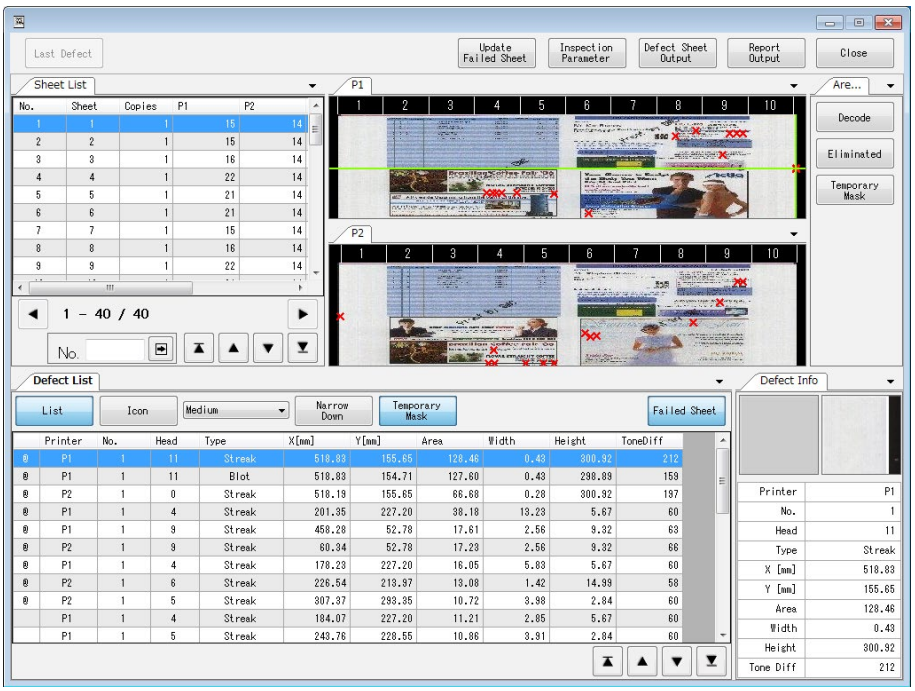
6.3.1 Displaying inspection results

Operation

1) Specify jobs to be displayed in the job list using the “Search” tab.
2) From the job list, select a job to check the details of the inspection results.
3) Click the “Show Details” button.



The inspection results details window is displayed.

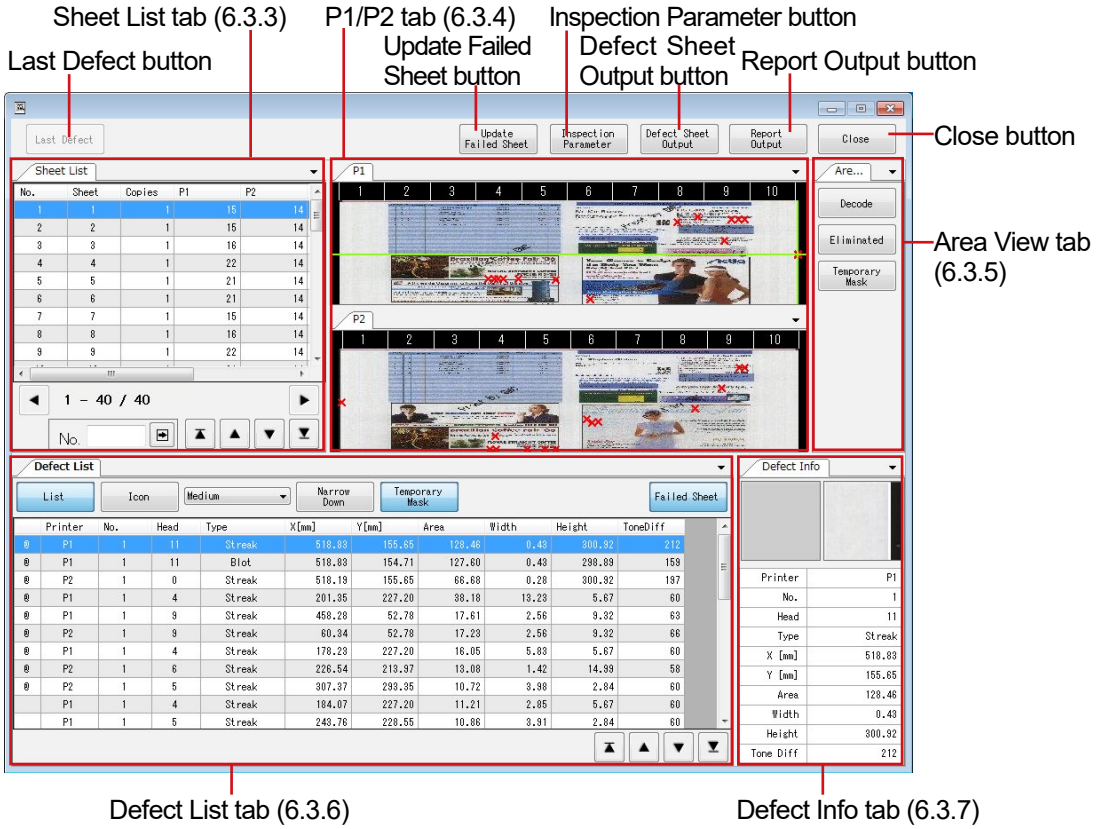


Note

The inspection results details window can also be displayed by double-clicking a job with image inspection or decode setting.

6.3.2 Inspection results details window

You can check the defect details in the inspection results details window.



Note

The back side printer information is displayed only when a duplex printing job is selected.

For jobs with decode settings and no image inspection, defect count will be displayed as 0.

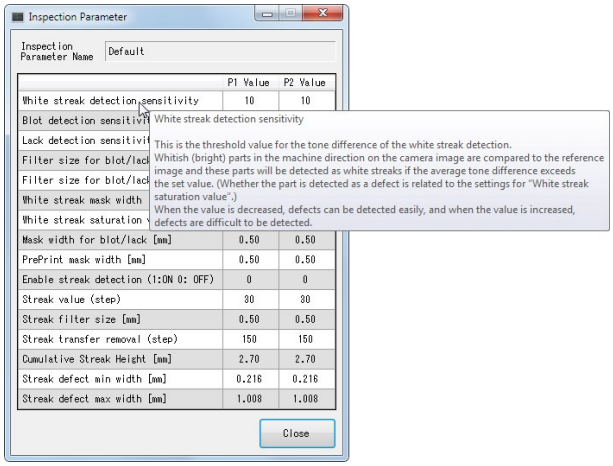
■Update Failed Sheet button

Press this button to update failed sheet information to EQUIOS for jobs using image inspection and PDF/VT reprint integration settings. Sheets with defects marked as “allowed” will be notified and omitted from reprint target.

■Inspection Parameter button

Displays a list of inspection parameter items and the name of the inspection parameter applied when printing the job with image inspection.

Place the mouse cursor on an inspection parameter item to see a detailed description of it.



■Report Output button

Outputs a report file of a selected job with image inspection in the detail report mode, and then displays the output destination folder for the report file.

The destination folder can be set via the “Report” button in the “Settings” window. For more information, see “6.7.4 Report”.

■Defect Sheet Output button

Outputs a inspection report of defect sheets to a CSV file against the selected job with image inspection. A dialog to specify output folder will be displayed.

When using EQUIOS reprint integration, sheets marked as ‘allowed’ will not be included.

■Close button

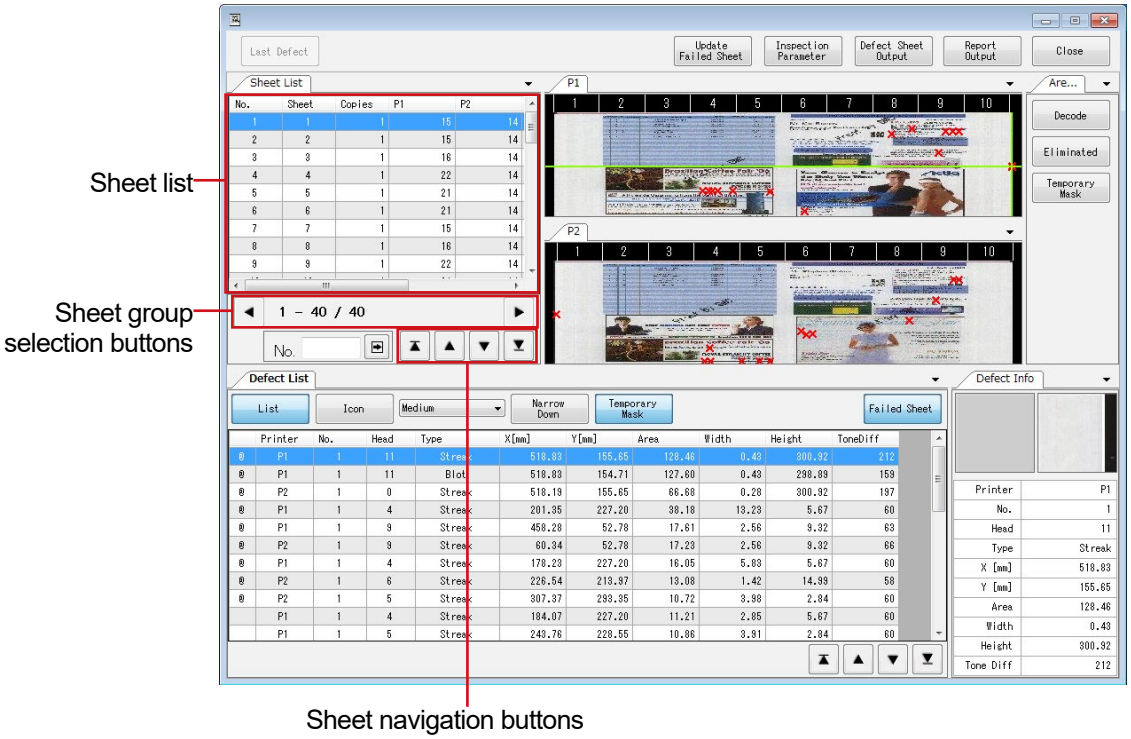
Closes the inspection results details window and returns you to the main window.

■Last Defect button

The “Last Defect” button is displayed at the upper left of the inspection results details window when the job status is “Printing”.

For more information, see “6.3.8 Displaying the inspection result being printed”.

6.3.3 Sheet List tab



■Sheet list

Shows “No.” (sheet number), “Sheet”, “Copies”, “P1” (number of defects on the front side), and “P2” (number of defects on the back side).

Select a sheet, and then the sheet image (P1/P2) tabs, the “Defect List” tab, and the “Defect Info” tab are updated.

Note

The back side printer information is displayed only when a duplex printing job is selected. For jobs without image inspection, defect count will be displayed as 0.

■Sheet group selection buttons

◄ Switches to the previous sheet group.

► Switches to the next sheet group.

■Sheet navigation buttons

These buttons are used to switch the selected sheet from the current one to another one.

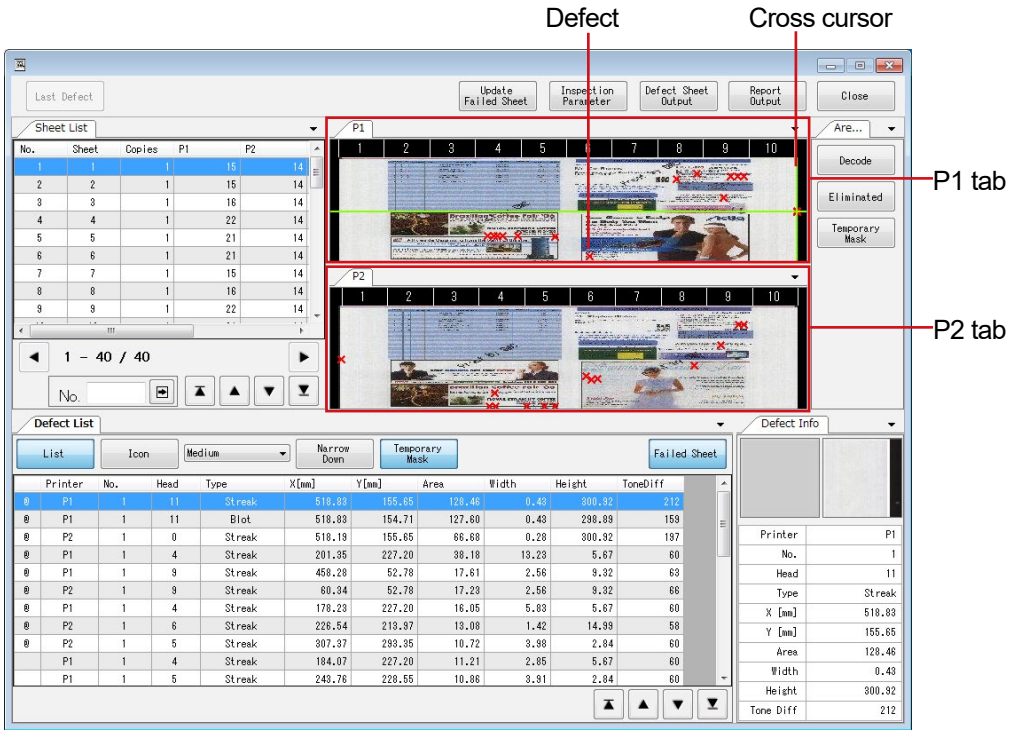
⏮ Selects the first sheet in the list.

▲ Selects the previous sheet with defects.

▼ Selects the next sheet with defects.

⏬ Selects the last sheet in the list.

6.3.4 Sheet image (P1/P2) tabs



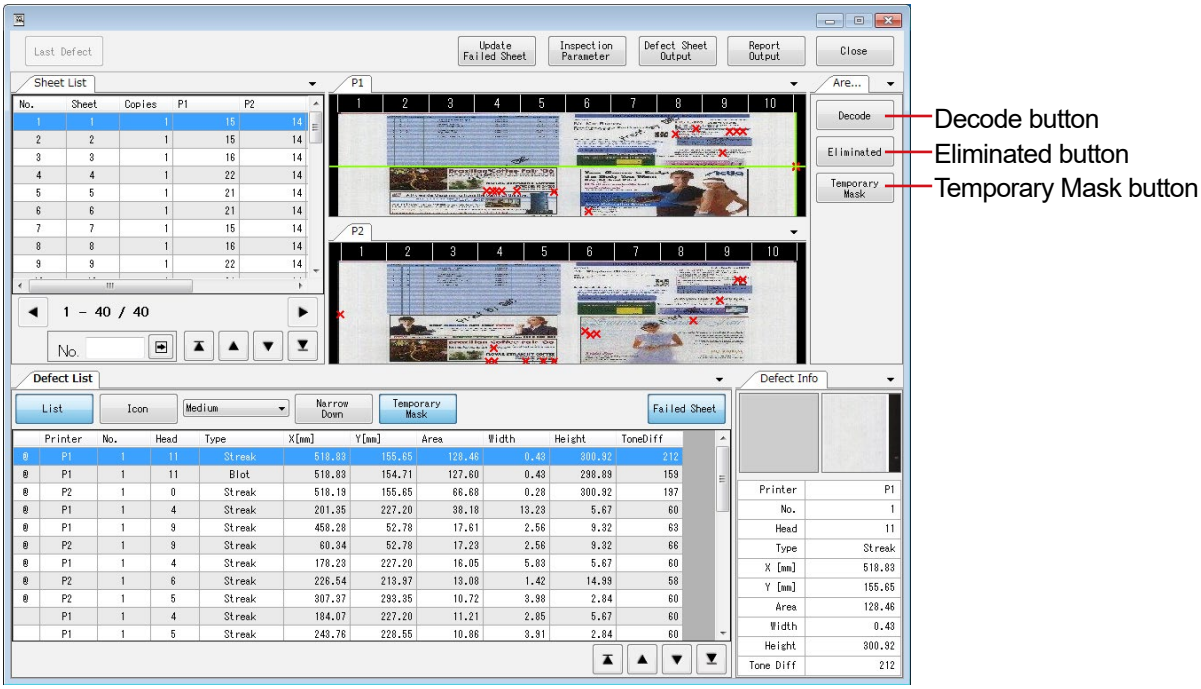
A sheet image tab shows the sheet image for the sheet number selected in the “Sheet List” tab.
A defect is indicated using ✕. The center of the cross cursor represents the defect position that is currently selected.
The “P1” tab shows the front side image and the “P2” tab shows the back side image.

Note

- The colors of the defect mark and cross cursor can be changed under “Preview” in the “Settings” window. For more information, see “6.7.3 Defect details”.
- The back side printer information is displayed only when a duplex printing job is selected.
- Sheet images are displayed only when image inspection was enabled.

Click the defect coordinates to display the sheet image of the relevant printhead only.
Clicking other defect coordinates successively allows you to select multiple printheads.

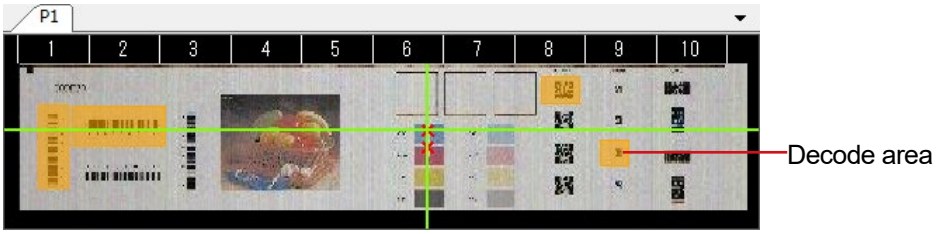
6.3.5 Area View tab



■Decode button

Click the “Decode” button to display decode areas on the sheet images.

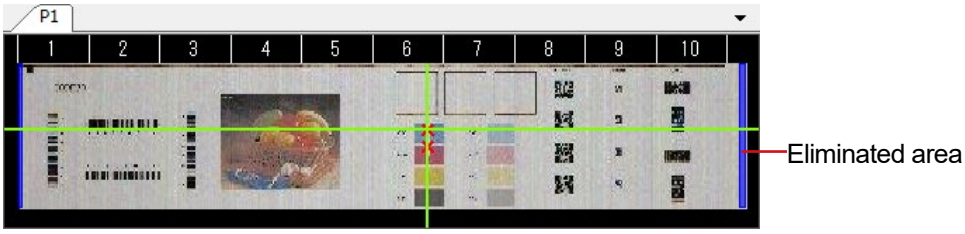
The decode areas have been set on the layout settings screen of the printer. For more information, see “3.3 Setting and editing the decode area” in Chapter 3.



■Eliminated button

Click the “Eliminated” button to display eliminated areas on the sheet images.

The eliminated areas have been set on the layout settings screen of the printer. For more information, see “5.13.1 Adjustment printing settings” in Chapter 5.



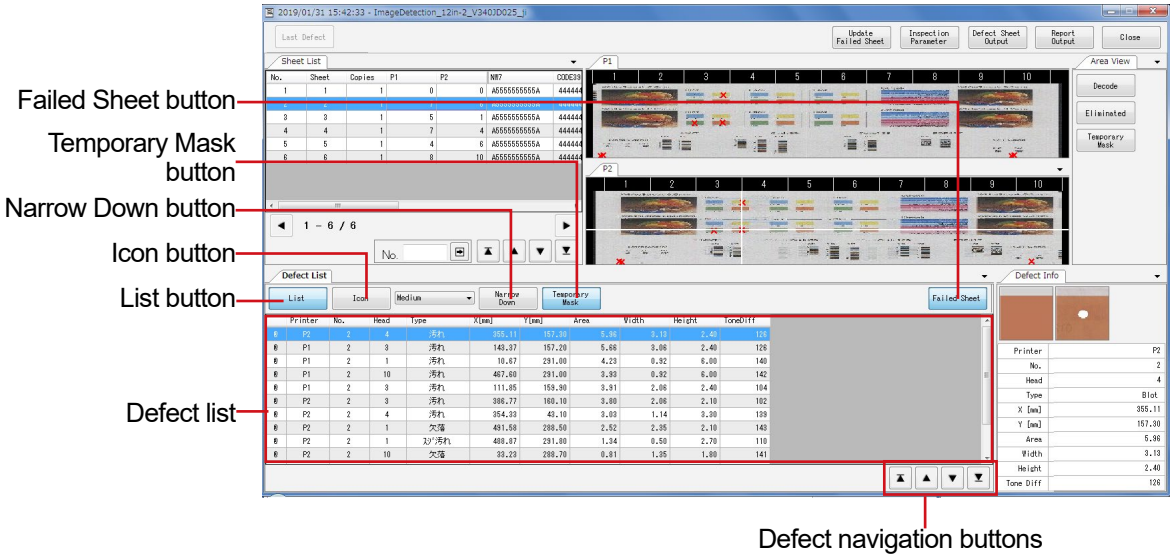
■Temporary Mask button

Click the “Temporary Mask” button to display temporarily masked areas on the sheet images.
The temporarily masked areas have been set on the print monitor screen during printing. For more information, see “4.3.3 Temporary mask setting screen” in Chapter 4.

Note

The area color can be changed under “Preview” in the “Settings” window. For more information, see “6.7.3 Defect details”.

6.3.6 Defect List tab



Note

The back side printer information is displayed only when a duplex printing job is selected.

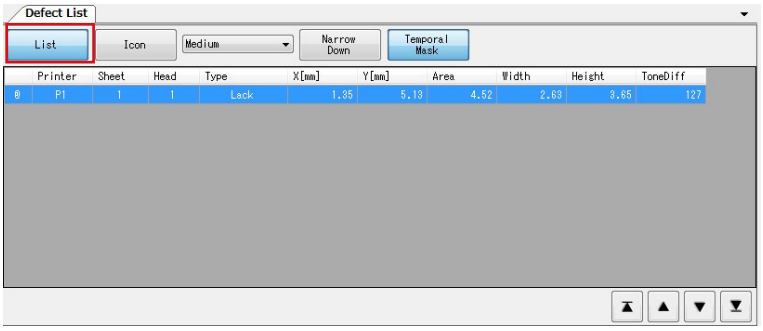
■Defect list

Shows the defect information for the sheet number selected in the “Sheet List” tab.

■List button

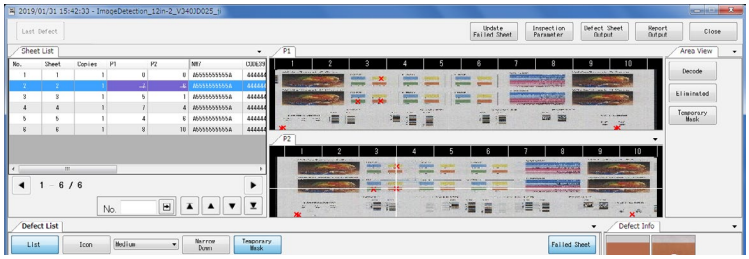
Click the “List” button to display defect information in a list format.

The list shows the printer name (P1/P2), sheet number, head number, type, X [mm] (coordinate from the upper left for the front side printer and upper right for the back side printer), Y [mm] (coordinate from the upper left for the front side printer and upper right for the back side printer), defect area, width, height, and tone difference.



■Failed Sheet button

Click the “Failed Sheet” button to dismiss the selected sheet from failed sheet list. Dismissed sheets will be marked as non-reprint target and displayed with strike through in the list.



■Defect navigation buttons

These buttons are used to switch the selected defect from the current one to another one. These are displayed only when the defect information is in the list format.

Selects the first defect in the list.

Selects the previous defect.

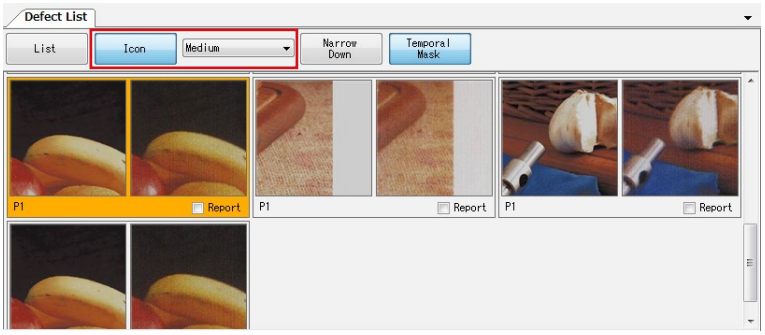
Selects the next defect.

Selects the last defect in the list.

■Icon button

Click the “Icon” button to display defect information with a magnified image.
The left side shows the reference image and the right side shows the defect image in the camera image.
The image size can be selected from “Large”, “Medium”, and “Small” in the pull-down list.
To output a report file in the detail report mode, select the “Report” check box for the defect to be output.

- **When the image size is Medium**

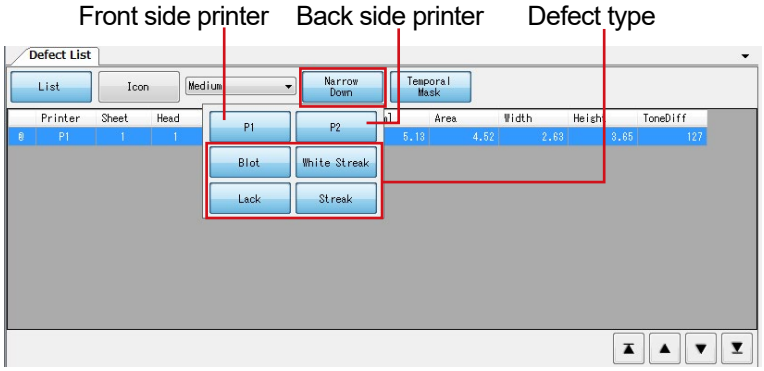


- **When the image size is Large**

- **When the image size is Small**

■Narrow Down button

Allows you to filter the defects to be displayed by the printer type (front or back side) or the defect type.



Operation

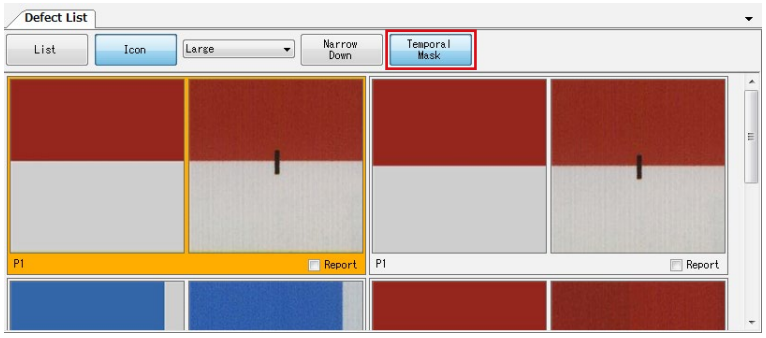
1) Click the “Narrow Down” button.
   The filter item buttons are displayed.
2) Click to turn off the buttons for the side and defect that are not to be displayed.
   Clicking again turns the button on.
3) Click the “Narrow Down” button.
   The filter item buttons are hidden.

Note

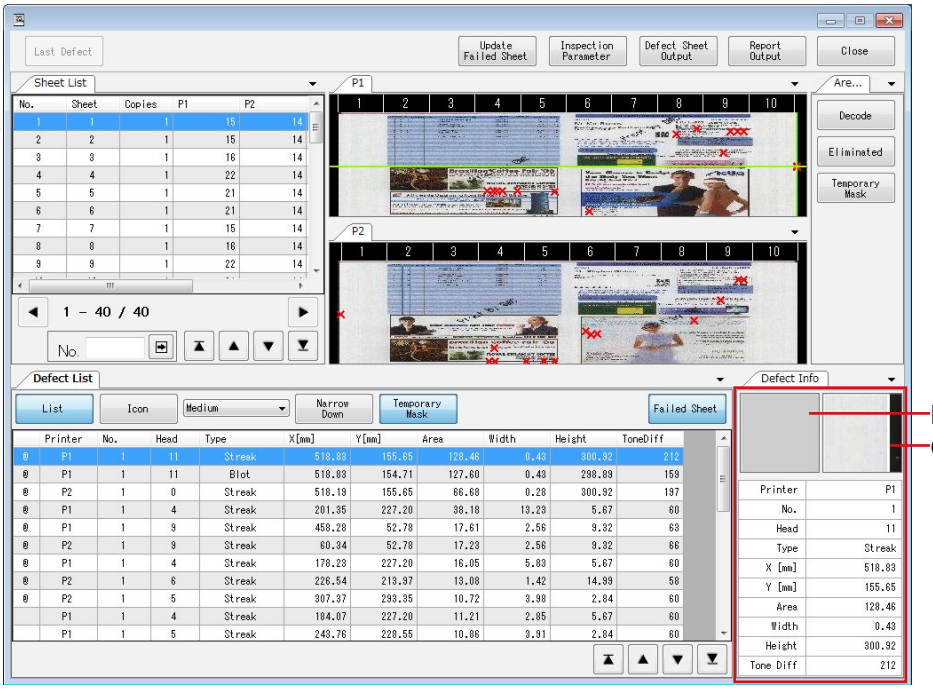
If you narrow down the items in the “Defect List”, the number of defects displayed in the “Sheet List” also changes accordingly.

■Temporary Mask button

Click the “Temporary Mask” button to enable/disable the temporary mask.



6.3.7 Defect Info tab

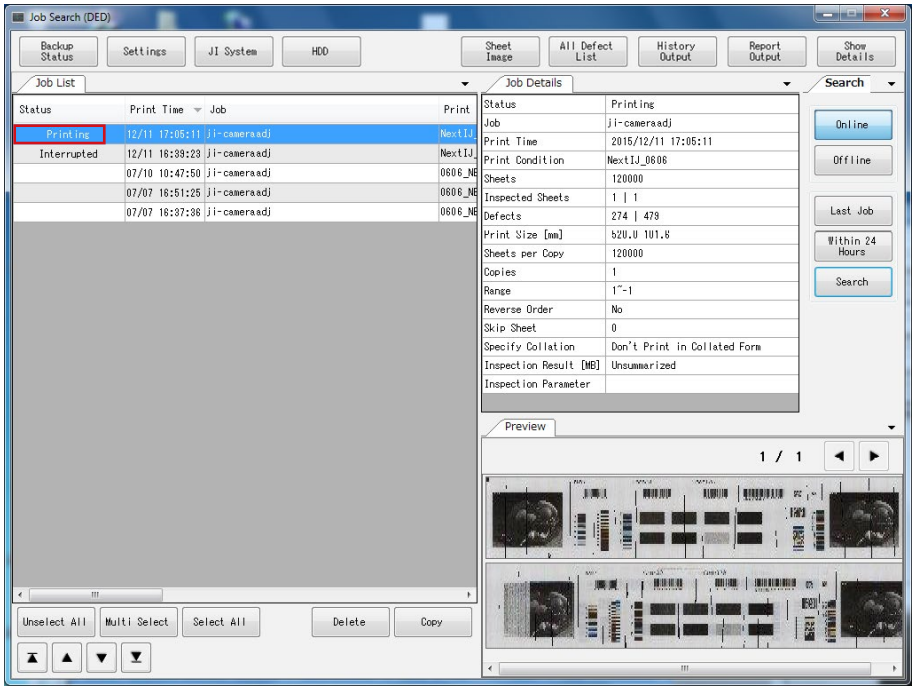


The “Defect Info” tab shows the detailed information of the defect selected in the defect list.

- Left side: Reference image; Right side: Defect image in the camera image
- Printer (P1/P2)
- Sheet number
- Head number
- Type
- X [mm] (coordinate from the upper left for the front side printer and upper right for the back side printer)
- Y [mm] (coordinate from the upper left for the front side printer and upper right for the back side printer)
- Defect area
- Width
- Height
- Tone

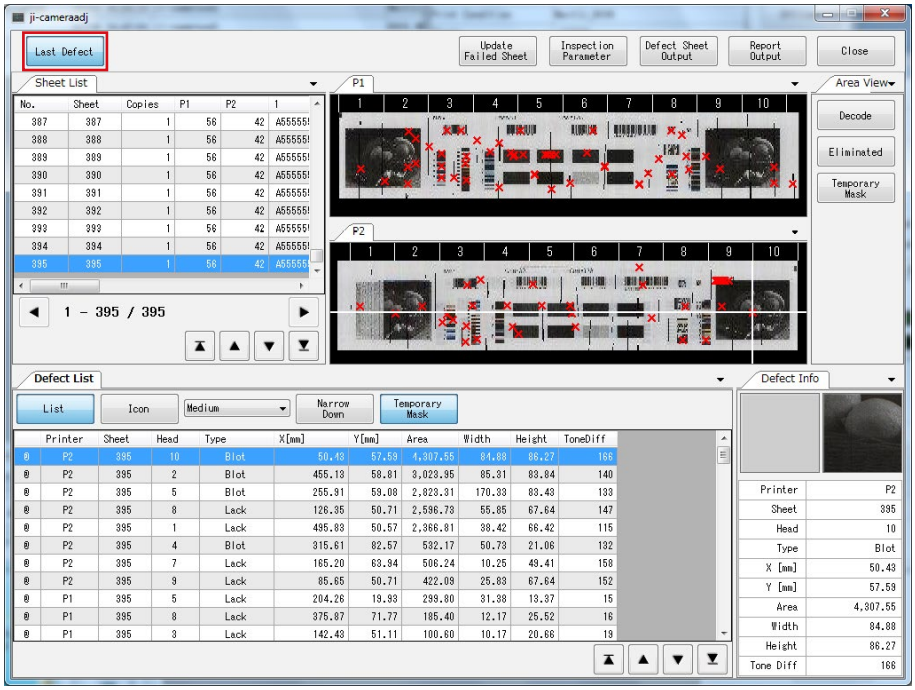
6.3.8 Displaying the inspection result being printed

You can browse inspection results even when the job status in the “Job List” tab is “Printing” or “Waiting”.

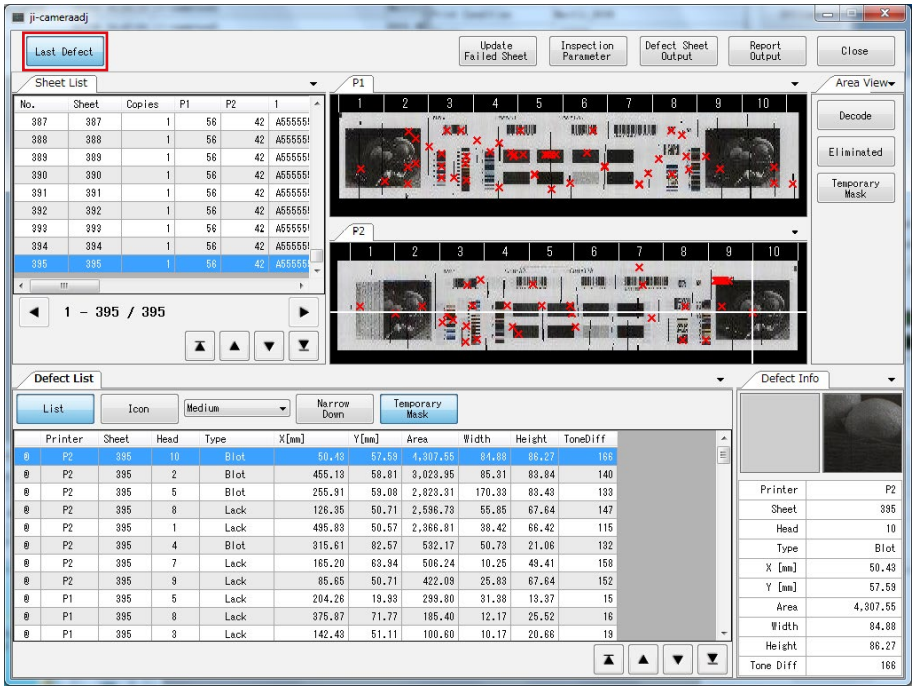


When the job status is “Printing”, the “Last Defect” button is displayed at the top left of the inspection results details window.

While the “Last Defect” button is turned ON, the latest sheet with defects is always selected.



The “Last Defect” button turns OFF if you click any sheet on the “Sheet List” tab in the inspection results details window. The “Last Defect” button also turns OFF if you click any sheet navigation button.
While the “Last Defect” button is OFF, the selected sheet remains displayed without being changed to the latest sheet with defects.



When the printing is completed, the “Last Defect” button is disabled and the “Report Output” button is enabled.

Note

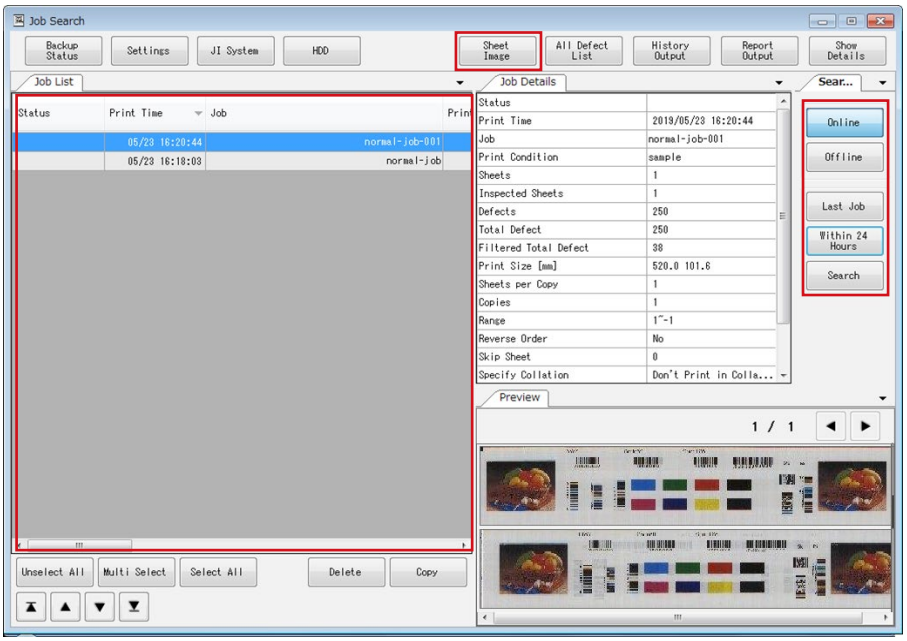
The display of the inspection result being printed is not updated even if printing of the next job is processed. This could occur, for example, when printing of a new job is processed while a job for continuous printing or a printing result is displayed.

6.4 Viewing stored images

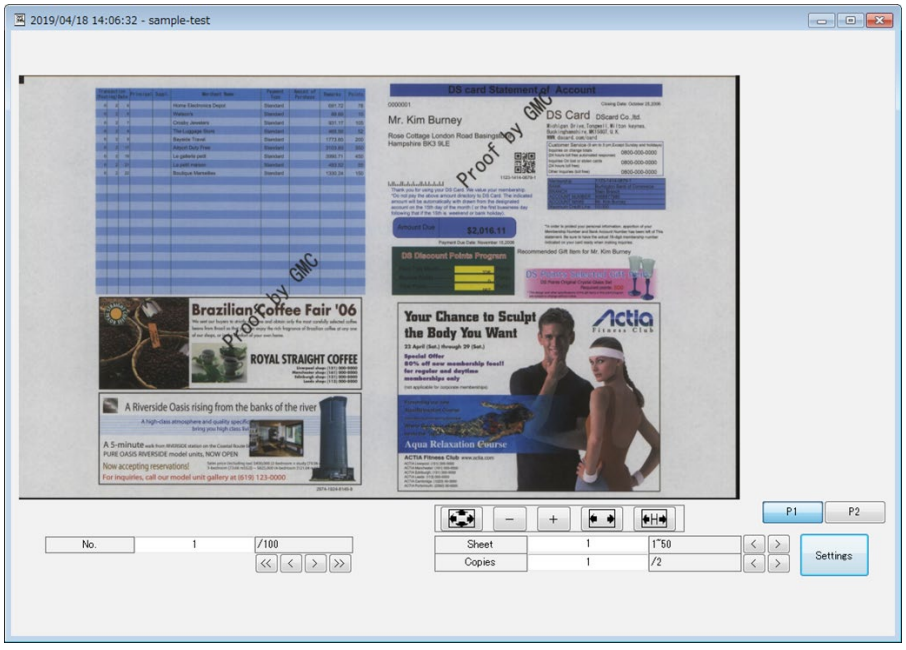
6.4.1 Displaying stored images

Operation

1) From the Search tab, select a job type to be displayed in the job list.
2) Select a job from the job list.
3) Click the “Sheet Image” button.



Stored sheet image will be displayed.

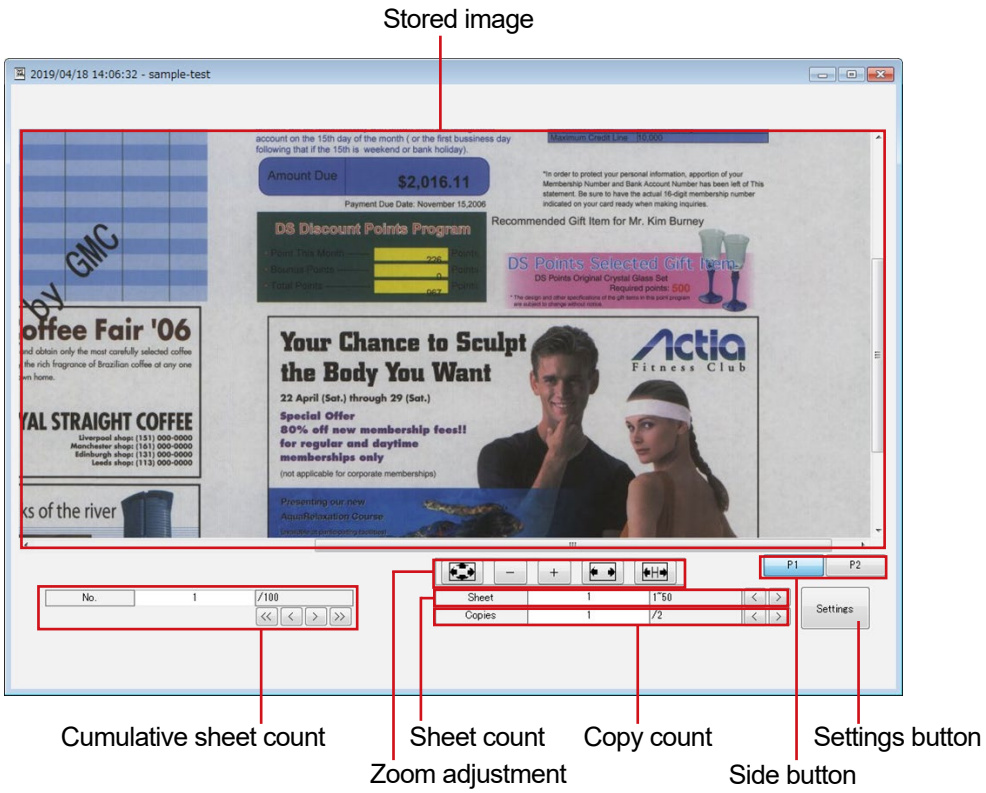


Note

Sheet Image button will not be displayed when selecting jobs without image storing setting. Stored sheet images will be deleted automatically after two weeks. Image storing options are available at 5-4 □□□□□5.3.1 Setting print conditions□.

6.4.2 Sheet image screen (non-operator mode)

Sheet image screen to view stored images for non-operators is displayed when “Enable Display for Print Operators” is “Off” (see 6.4.4).



Note

Only single sheet image screen can be displayed at once.

■Stored image

Stored image for selected page is displayed. Images can be zoomed in and scrolled using the scroll bar or by dragging the image directly.

■Cumulative sheet count

Sheet counter for the entire print run is displayed.

[<] : Show previous sheet image

[>] : Show next sheet image

[<<] : Show sheet image before 50 sheets

[>>] : Show sheet image after 50 sheets

Note

Sheet counter field can be edited directly. The amount of sheets to switch (default 50) can be edited in system setting. Refer to 6.4.4 for details.

■Sheet count

Sheet count in job is displayed.

■Copy count

Copy count in job is displayed.

■Zoom adjustment

: Display entire image

: Zoom out single step

: Zoom in single step

: Display entire width

: Display image aligned to print head

■Side button

: Show image from Printer 1

: Show image from Printer 2

Note

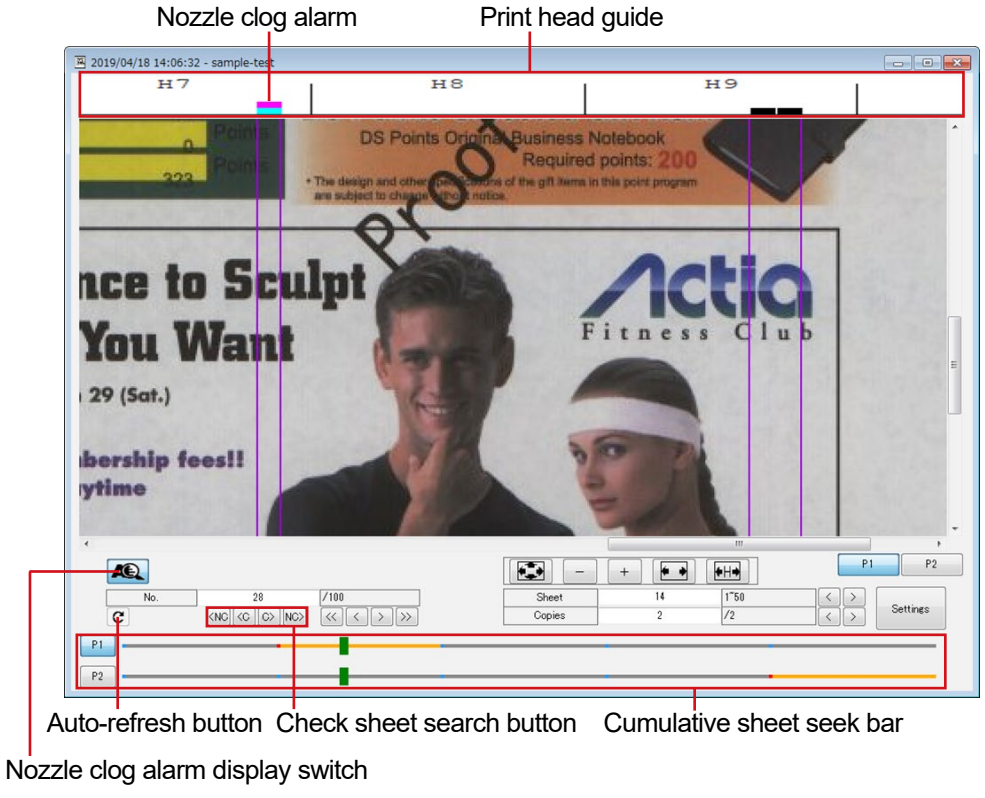
button will be displayed only with duplex jobs.

■Settings button

Click to display settings screen (6.4.4).

6.4.3 Sheet image screen (operator mode)

Sheet image screen to view stored images for print operators is displayed when “Enable Display for Print Operators” is “On” (see 6.4.4).



■Print head guide

Displays print head area relative to the stored image.

■Nozzle clog alarm

Displays detected nozzle clog from the last NozzleChecker sheet against displayed stored image. The purple rectangle displayed over the sheet image indicates the areas with nozzle clogs. The colored boxes on top of the screen indicates the color which nozzle clog was detected.

Note

- NozzleChecker needs to be inserted as a flushing page before/after or inside job pages. Refer to 3-2 □□□□□3.1 Job settings screen□ for details.
- Rectangles may be displayed slightly off the actual nozzle clog position, due to paper shrinkage. Use the rectangles as a guide to look for nozzle clogs near by when checking the print results.

■Nozzle clog alarm display switch

Click the button to show/hide nozzle clog alarm.

■Check sheet search button

Following buttons will display the relevant NozzleChecker sheet image. Cumulative sheet count will show the check sheet number such as “C1” and “C2”.

<C : Display previous check sheet

C> : Display next check sheet

<NC : Display previous check sheet with nozzle clogs

NC> : Display next check sheet with nozzle clogs

■Cumulative sheet seek bar

The seek bar indicates the displayed sheet as green slider in the entire job.
If the job was printed using NozzleChecker, check sheet with nozzle clogs detected are marked in red and check sheet without nozzle clogs are marked in blue.
The bar will be colored in orange to indicate the sheets with possible nozzle clogs.
Click on the bar or move the slider to display the sheet image at specified position.

■Auto-refresh button

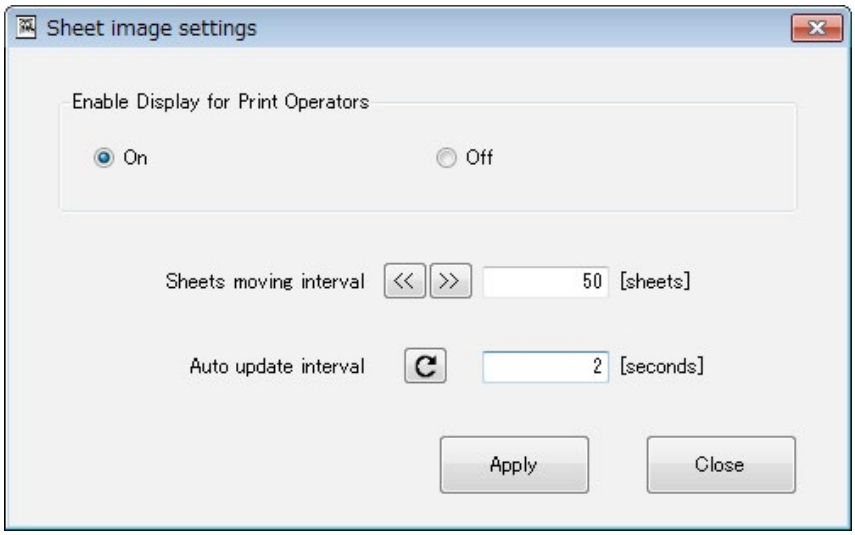
Press the button down to automatically display the latest sheet image. When this option is enabled, seek bar will also be updated.

Note

- When sheet image screen is displayed against the job currently printing, auto-refresh button will be enabled by default.
- If the displayed sheet is specified using sheet counter buttons or slider, auto-refresh will be disabled.
- Auto-refresh period (default 2 seconds) can be modified at sheet image settings screen (see 6.4.4)

6.4.4 Sheet image settings screen

Settings for how stored images are displayed can be modified.



■Enable Display for Print Operators

Select “On” to display sheet image screen in operator mode or “Off” to display in non-operator mode.

■Sheet moving interval

Enter a value between 2 to 5,000 to specify the amount of sheets to switch in the cumulative sheet count.

■Auto update interval

Enter a value between 2 to 10 to specify the number of seconds to wait before updating to the latest image when auto-refresh button is enabled.

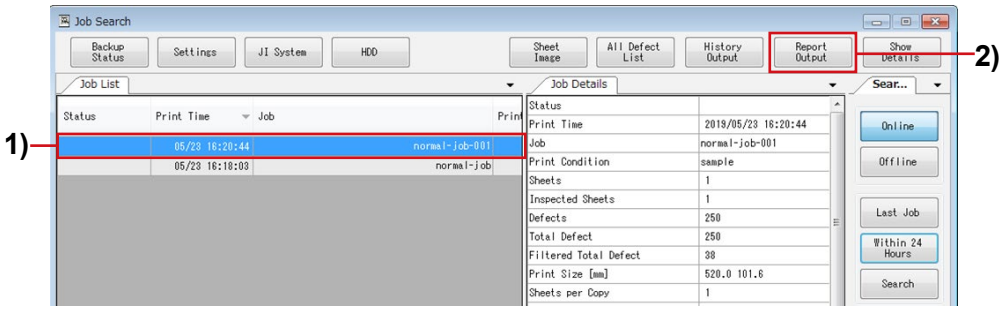
6.5 Report file output

Report files can be output in two modes. One is the summary report mode that outputs an HTML file including information, such as printing information, inspection parameters, and inspection results. The other is the detail report mode that outputs an HTML file including the summary report mode information as well as the image and detailed information of the defect selected in the inspection results details window.

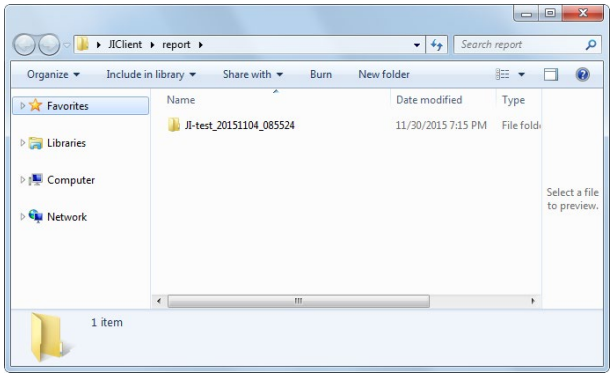
6.5.1 Outputting a summary report

Operation

1) Select a job from the job list in the main window.
2) Click the “Report Output” button.



A report file is output in the detail report mode, and then the output destination folder for the report file is displayed.



The destination folder can be set via the “Report” button in the “Settings” window. For more information, see “6.7.4 Report”.

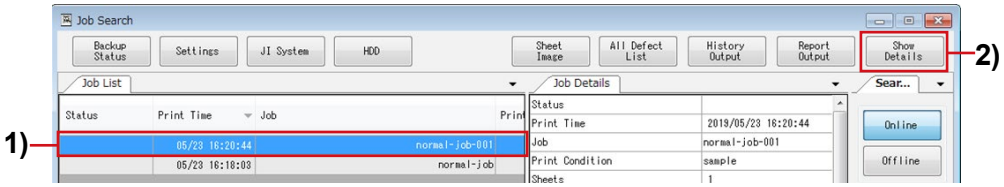
Note

- Report files are saved in a subfolder created for each job in the output destination folder. The subfolder is named as shown below.
  Job name_Print date_Print time
- In the report file, you can count the total number of defects for each group of sheets specified in “Sheets spacing of result summary” and compile them into a single line.
  “Sheets spacing of result summary” can be set via the “Report” button in the “Settings” window. For more information, see “6.7.4 Report”.

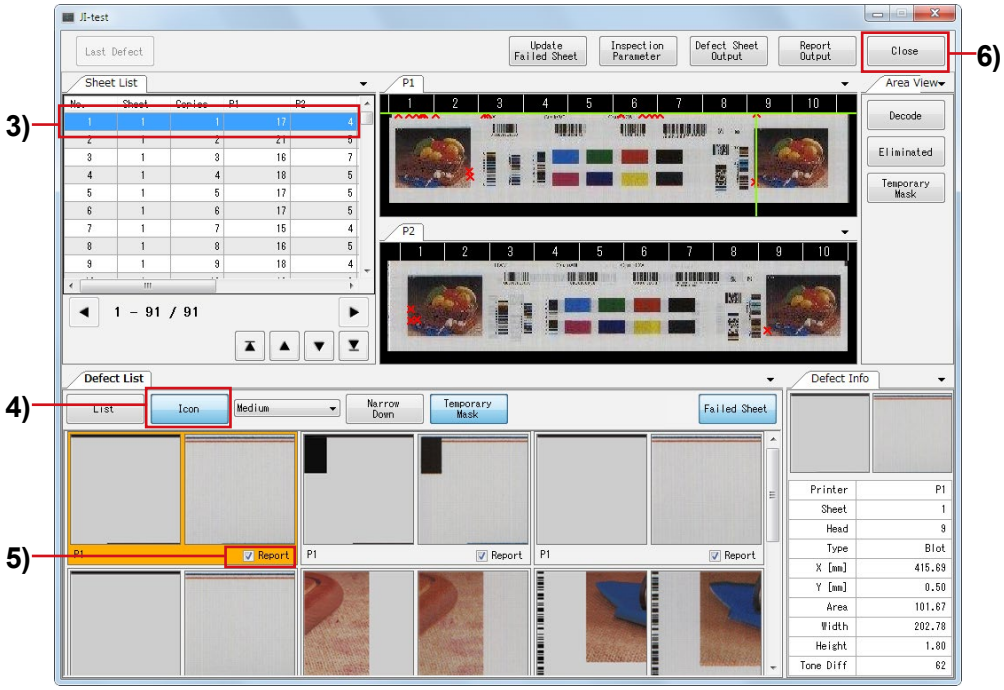
6.5.2 Outputting a detail report

Operation

1) Select a job from the “Job List” tab in the main window.
2) Click the “Show Details” button.



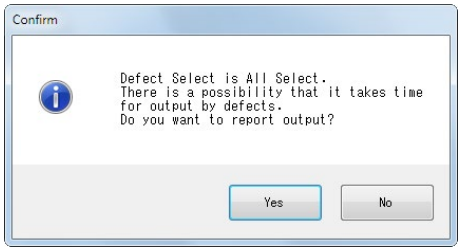
3) Select a sheet from the “Sheet List" tab.
4) Click the “Icon” button on the “Defect List” tab.
5) Select the “Report” check box for the defect to be output to the report file.
   It is possible to display the inspection results details window with all check boxes selected. For more information, see “6.7.4 Report”.
6) Click the “Report Output” button.



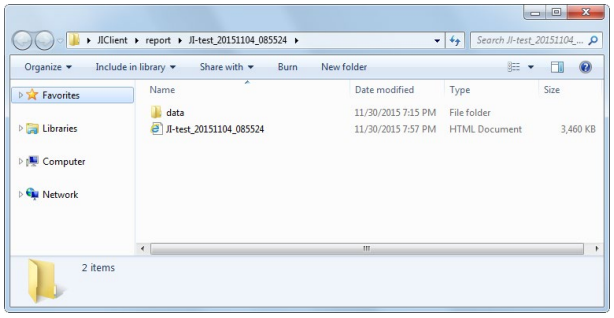
Note

If you click the “Report Output” button when the initial state of the defect output is “All Select”, the following message is displayed. Click the “Yes” button if it is acceptable for the processing to continue for some time.

To reduce the time for output, reduce the number of defects to be output to the report file.



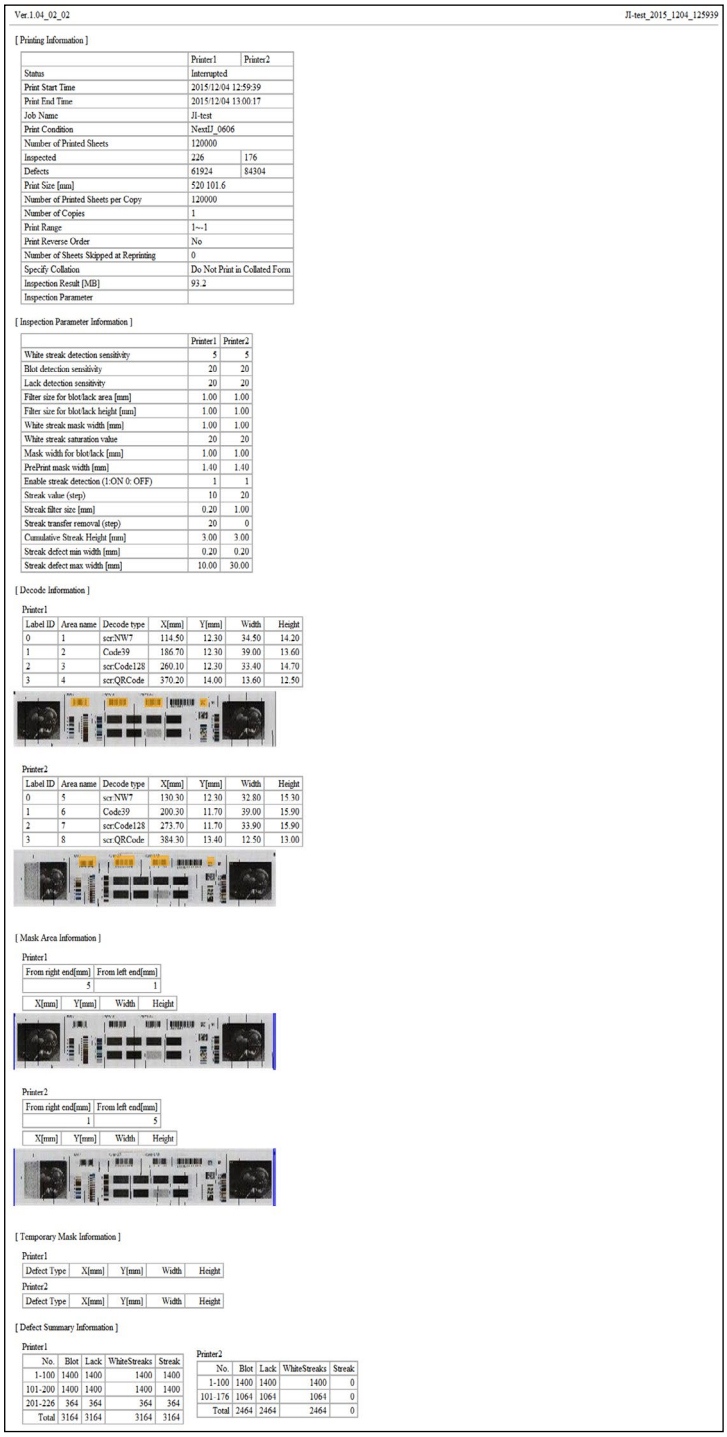
A report file is output in the detail report mode, and then the output destination folder for the report file is displayed.



The destination folder can be set via the “Report” button in the “Settings” window. For more information, see “6.7.4 Report”.

6.5.3 Output example of a report file

■Summary report



Ver.1.04_02_02 JI-test_2015_1204_125939

[Printing Information]

	Printer1	Printer2
Status	Interrupted	
Print Start Time	2015/12/04 12:59:39	
Print End Time	2015/12/04 13:00:17	
Job Name	JI-test	
Print Condition	NextIJ_0606	
Number of Printed Sheets	120000	
Inspected	226	176
Defects	61924	84304
Print Size [mm]	520 101.6	
Number of Printed Sheets per Copy	120000	
Number of Copies	1	
Print Range	1~1	
Print Reverse Order	No	
Number of Sheets Skipped at Reprinting	0	
Specify Collation	Do Not Print in Collated Form	
Inspection Result [MB]	93.2	
Inspection Parameter		

[Inspection Parameter Information]

	Printer1	Printer2
White streak detection sensitivity	5	5
Blot detection sensitivity	20	20
Lack detection sensitivity	20	20
Filter size for blot/lack area [mm]	1.00	1.00
Filter size for blot/lack height [mm]	1.00	1.00
White streak mask width [mm]	1.00	1.00
White streak saturation value	20	20
Mask width for blot/lack [mm]	1.00	1.00
PrePrint mask width [mm]	1.40	1.40
Enable streak detection (1:ON 0: OFF)	1	1
Streak value (step)	10	20
Streak filter size [mm]	0.20	1.00
Streak transfer removal (step)	20	0
Cumulative Streak Height [mm]	3.00	3.00
Streak defect min width [mm]	0.20	0.20
Streak defect max width [mm]	10.00	30.00

[Decode Information]

Printer1

Label ID	Area name	Decode type	X[mm]	Y[mm]	Width	Height
0	1	scr:NW7	114.50	12.30	34.50	14.20
1	2	Code39	186.70	12.30	39.00	13.60
2	3	scr:Code128	260.10	12.30	33.40	14.70
3	4	scr:QRCode	370.20	14.00	13.60	12.50

Printer2

Label ID	Area name	Decode type	X[mm]	Y[mm]	Width	Height
0	5	scr:NW7	130.30	12.30	32.80	15.30
1	6	Code39	200.30	11.70	39.00	15.90
2	7	scr:Code128	273.70	11.70	33.90	15.90
3	8	scr:QRCode	384.30	13.40	12.50	13.00

[Mask Area Information]

Printer1

From right end[mm]	From left end[mm]
5	1

X[mm]	Y[mm]	Width	Height

Printer2

From right end[mm]	From left end[mm]
1	5

X[mm]	Y[mm]	Width	Height

[Temporary Mask Information]

Printer1

Defect Type	X[mm]	Y[mm]	Width	Height

Printer2

Defect Type	X[mm]	Y[mm]	Width	Height

[Defect Summary Information]

Printer1

No.	Blot	Lack	WhiteStreaks	Streak
1-100	1400	1400	1400	1400
101-200	1400	1400	1400	1400
201-226	364	364	364	364
Total	3164	3164	3164	3164

Printer2

No.	Blot	Lack	WhiteStreaks	Streak
1-100	1400	1400	1400	0
101-176	1064	1064	1064	0
Total	2464	2464	2464	0

■Detail report

Ver.1.04_01_08 1_2015_1104_085524

[Printing Information]

	Printer1	Printer2
Status		
Print Start Time	2015/11/04 08:55:24	
Print End Time	2015/11/04 08:58:26	
Job Name	JI-test	
Print Condition	1212_NEXT-IJ70	
Number of Printed Sheets	91	
Inspected	91	91
Defects	4698	460
Print Size [mm]		

Width Height

Printer2

From right end[mm]	From left end[mm]
1	3

X[mm] Y[mm] Width Height

[Temporary Mask Information]

Printer1

Defect Type	X[mm]	Y[mm]	Width	Height

Printer2

Defect Type	X[mm]	Y[mm]	Width	Height

[Defect Summary Information]

Printer1

No.	Blot	Lack	WhiteStreaks	Streak
1-91	1201	32	302	0
Total	1201	32	302	0

Printer2

No.	Blot	Lack	WhiteStreaks	Streak
1-91	91	46	323	0
Total	91	46	323	0

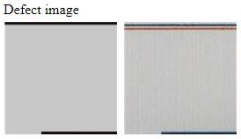
[Defect Detail Information]

Detect detail

Printer	P1
Sheet No.	1
Head No.	9
Defect Type	Blot
X[mm]	415.69
Y[mm]	0.50
Area	101.67
Width	202.78
Height	1.80
Tone diff	62.72

Preview

Defect image



Decode

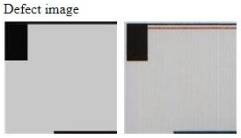
Area Name	Result
1	A5555555555A
2	3333333333
3	PDF 5555555555 PDF

Detect detail

Printer	P1
Sheet No.	1
Head No.	1
Defect Type	Blot
X[mm]	8.86
Y[mm]	0.80
Area	3.24
Width	10.39
Height	0.60
Tone diff	61.16

Preview

Defect image



Decode

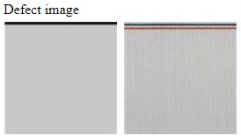
Area Name	Result
1	A5555555555A
2	3333333333
3	PDF 5555555555 PDF

Detect detail

Printer	P1
Sheet No.	1
Head No.	6
Defect Type	Blot
X[mm]	299.79
Y[mm]	0.80
Area	2.26
Width	5.12
Height	0.60
Tone diff	42.92

Preview

Defect image



Decode

Area Name	Result
1	A5555555555A
2	3333333333
3	PDF 5555555555 PDF

6.6 Copy and deletion of inspection result data

The job inspection result data is saved on the master PCs of the front and back side printers and inspection PC.

We recommend that you back up the inspection result data that requires long-term storage on other removable disks or servers as necessary.

Unnecessary inspection result data should be deleted periodically to maintain sufficient free disk space on each PC. The inspection unit can be operated stably.

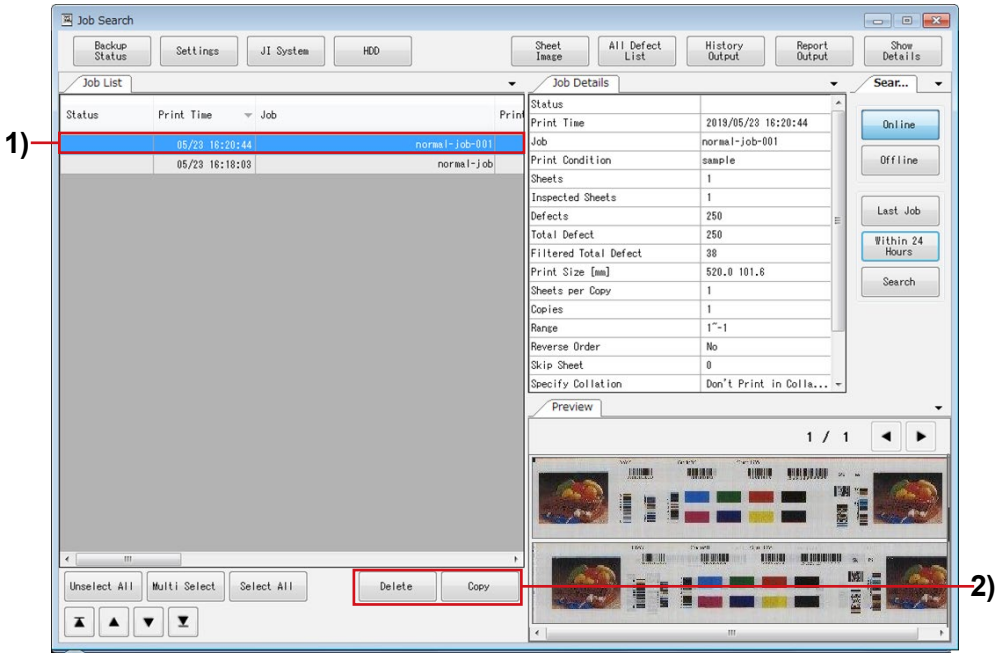
The operation described in this section is available only when JI Client is installed on a computer that is on the same network as the JI system.

6.6.1 Copying/deleting inspection result data

Operation

1) Select a job to be copied or deleted from the “Job List” tab in the main window.

2) Click the “Copy” button to copy the job or “Delete” button to delete it.



The job is copied or deleted, and then the “Backup Details” window is displayed.

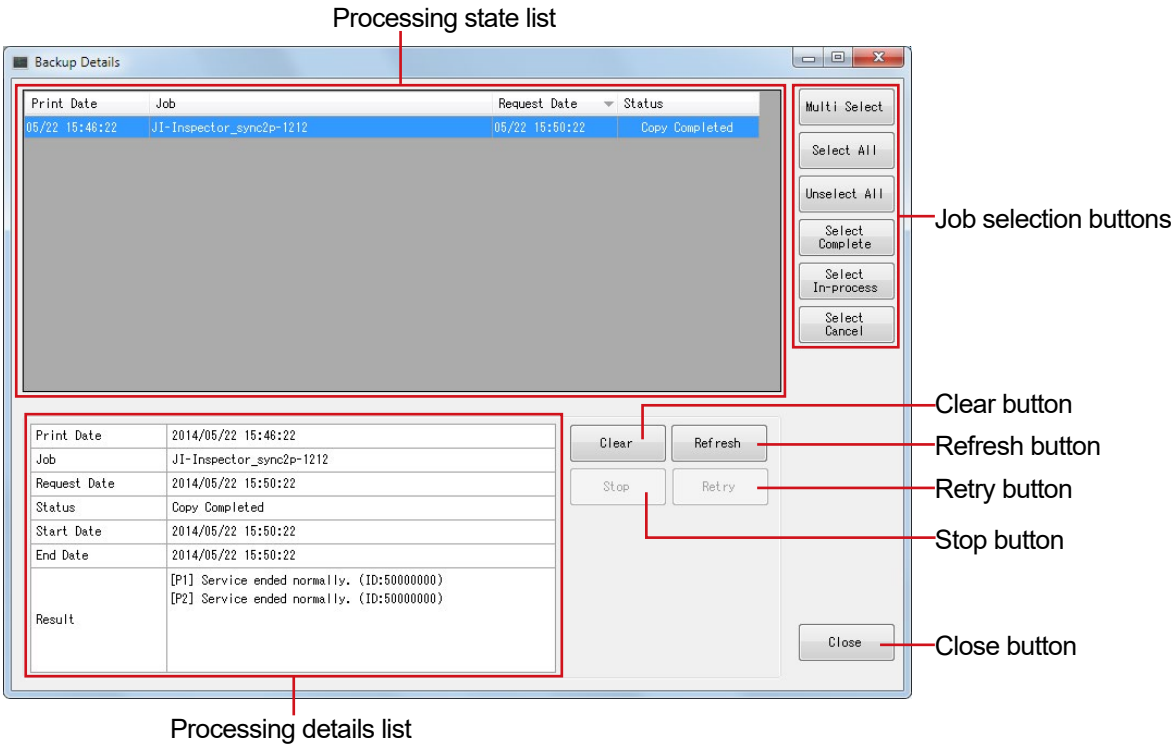
In the “Backup Details” window, you can check the copy or deletion processing state and control the processing.

Note

- The “Backup Details” window can also be displayed by clicking the “Backup Status” button in the main window.
- By default, the JetInspection folder in the General folder of EQUIOS Center is specified as the copy destination. If the customer wishes to back up the data in another folder on a different server or storage device, please contact us.

6.6.2 Backup Details window

You can check the copy or deletion processing state of inspection result data and control the processing.



■Processing state list

Shows the printing date and time, job name, request date and time, and state regarding a currently processing or completed job.

■Processing details list

Shows the detailed information about a currently processing or completed job.

■Job selection buttons

• Multi Select button

This button is used to select multiple jobs.

• Select All button

Click the “Select All” button to select all jobs.

• Unselect All button

Click the “Unselect All” button to clear the selection of all selected jobs.

• Select Complete button

Selects only the jobs whose state is “Copy Completed” or “Delete Completed”. The jobs that ended in an error are also included.

• Select In-process button

Selects only the jobs whose state is “Copying” or “Deleting”.

• Select Cancel button

Selects only the jobs whose state is “Copy Stopped” or “Delete Stopped”.

■Clear button

Deletes the selected job from the processing state list.

■Refresh button

Updates information in the processing details list.

■Stop button

Stops the copy or deletion processing.

■Retry button

Restarts the copy or deletion processing that was stopped.

■Close button

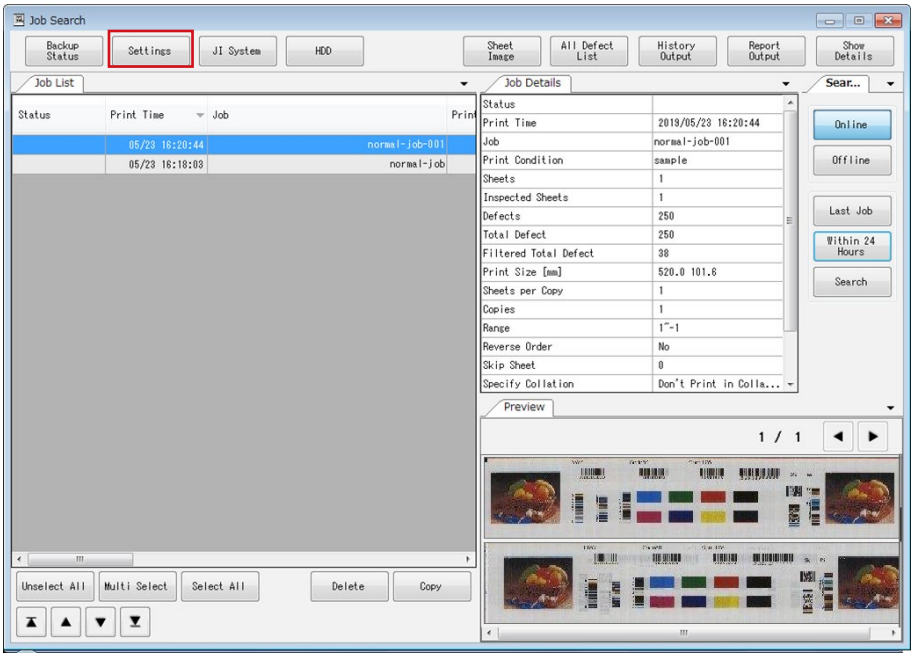
Closes the “Backup Details” window and returns you to the main window.

6.7 Environment settings

You can make various settings for JI Client.

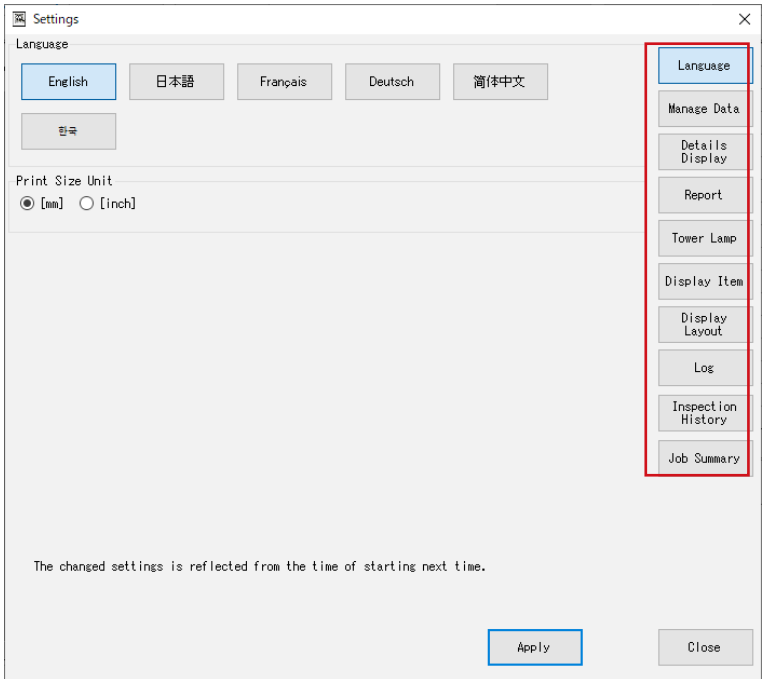
Operation

1) Click the “Settings” button in the main window.



The “Settings” window is displayed.

2) Click a target environment setting button.



3) After making any change to the setting, click the “Apply” button.

The change made is not reflected until the “Apply” button is clicked.

Settings can be changed by repeating steps 2) and 3).

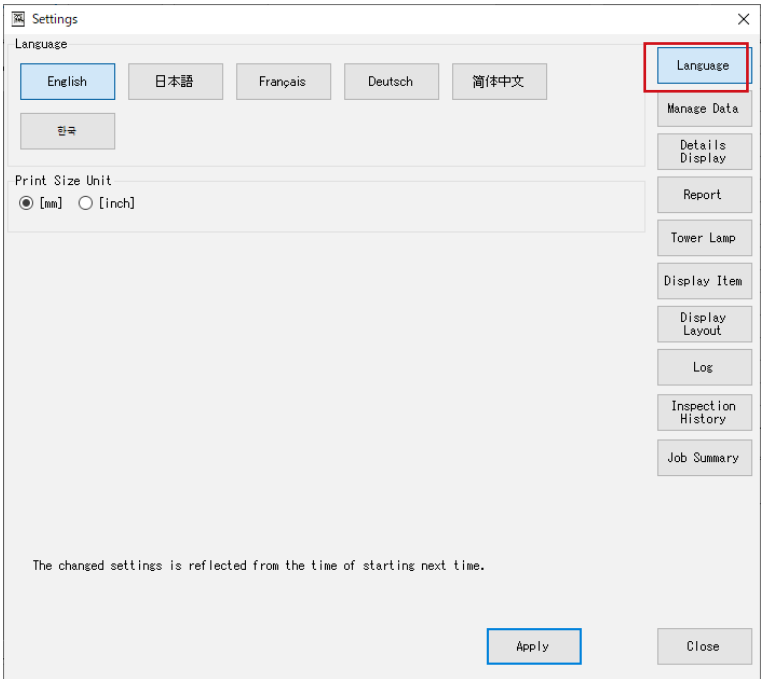
4) Click the “Close” button to finish the environment settings.

6.7.1 Setting the display language

You can change the display language for JI Client.

Operation

Click the “Language” button in the “Settings” window.



■Changing the language

Operation

Click the “English” button to use English or the “Japanese” button to use Japanese.

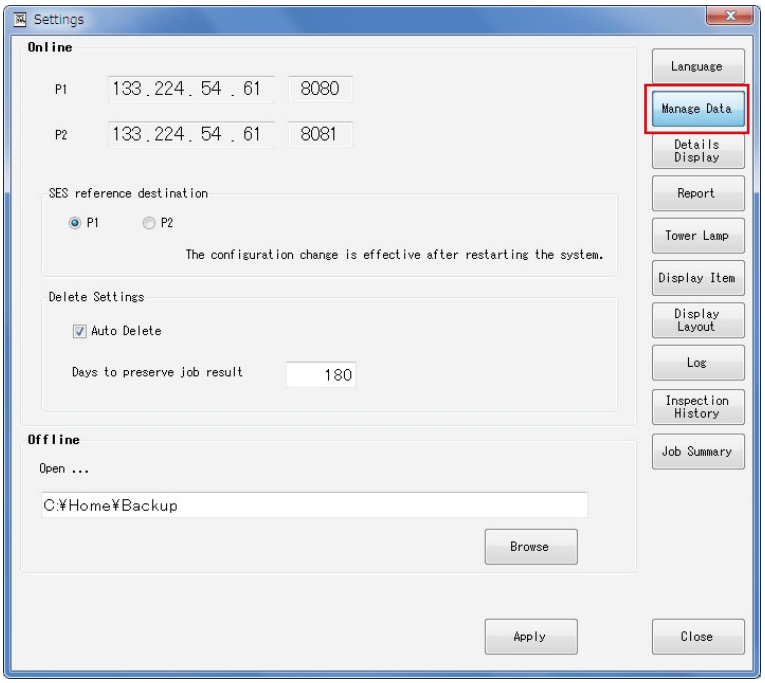
The selected language will be available after exiting JI Client once and then starting it next time.

6.7.2 Data management

You can change the browsing destination of inspection result data during online and offline operations.

Operation

Click the “Manage Data” button in the “Settings” window.



■Changing the browsing destination for online operation

Change the IP address and the port number for “P1” to change the browsing destination for the front side printer on the JI system server. For the back side printer, change the relevant items for “P2”.

The operation described in this section is available only when JI Client is installed on a computer that is on the same network as the JI system.

Note

Normally it is not necessary to change the browsing destination. Be aware that if it is changed incorrectly, the inspection results will no longer be checked.

■Deleting the inspection results automatically

It is possible to delete inspection results of jobs automatically after the specified storage period has elapsed.

The operation described in this section is available only when JI Client is installed on a computer that is on the same network as the JI system.

Operation

1) Select the “Auto Delete” check box.
2) Enter the storage period in the “Days to preserve job result” field.

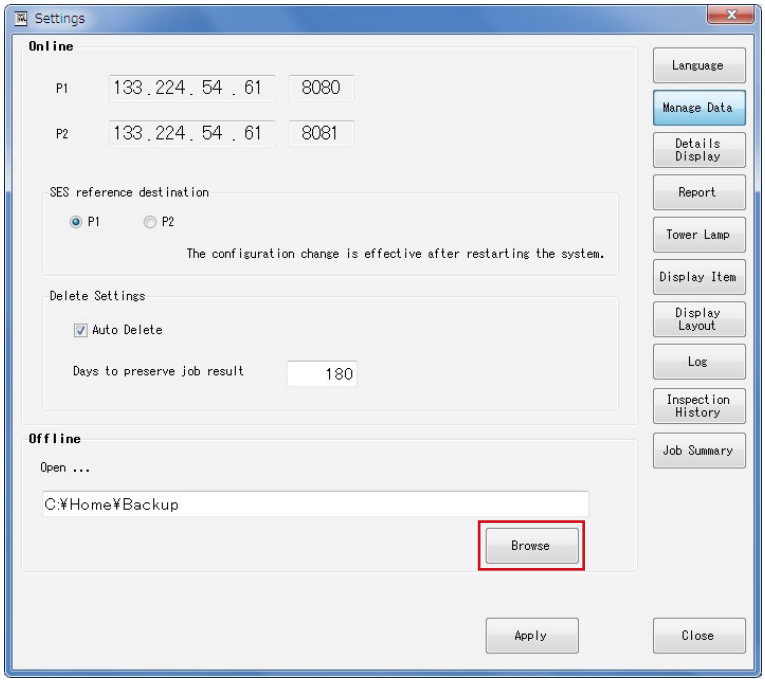
■Setting the browsing destination for offline operation

In cases such as when the computer is not on the same network as the JI system, set a browsing destination folder that contains a copy of the inspection result data from the JI system as offline data. When you click the “Offline” button in the main window, the jobs in the folder specified here are displayed in the job list. Enter the full path of the folder location in the entry field below “Open…”.

It is also possible to specify the browsing destination folder using the following procedure.

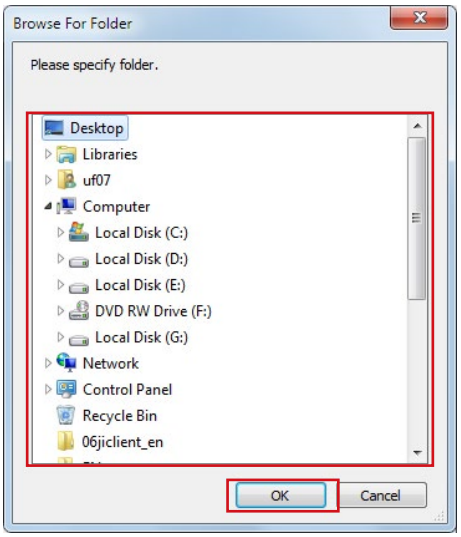
Operation

1) Click the “Browse” button.



The “Browse For Folder” dialog box is displayed.

2) Select a folder, and click the “OK” button.

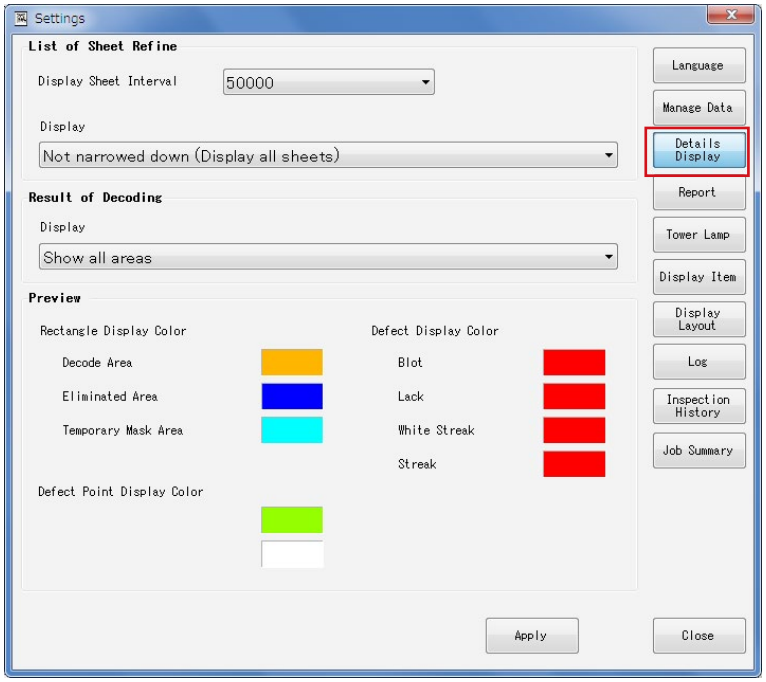


6.7.3 Defect details

You can change the settings in the inspection results details window.

Operation

Click the “Details Display” button in the “Settings” window.



■Changing the “Sheet List” tab settings

Operation

1) Select the number of sheets per display in the sheet list from the “Display Sheet Interval” pull-down list under “List of Sheet Refine”.
   - 500
   - 1000
   - 5000
   - 10000
   - All
2) Select the filtering setting in the sheet list from the “Display” pull-down list under “List of Sheet Refine”.
   - Not narrowed down (Display all sheets)
   - Show sheet of decoding error or defect occurs
   - Show only defect occurs sheet
   - Show only sheet of decoding error

■Changing the setting for decoding results in the “Sheet List” tab

Operation

Select the display setting for the decoding results in the “Sheet List” tab from the “Display” pull-down list under “Result of Decoding”.

- Do not show
- Show only priorities
- Show all areas

Note

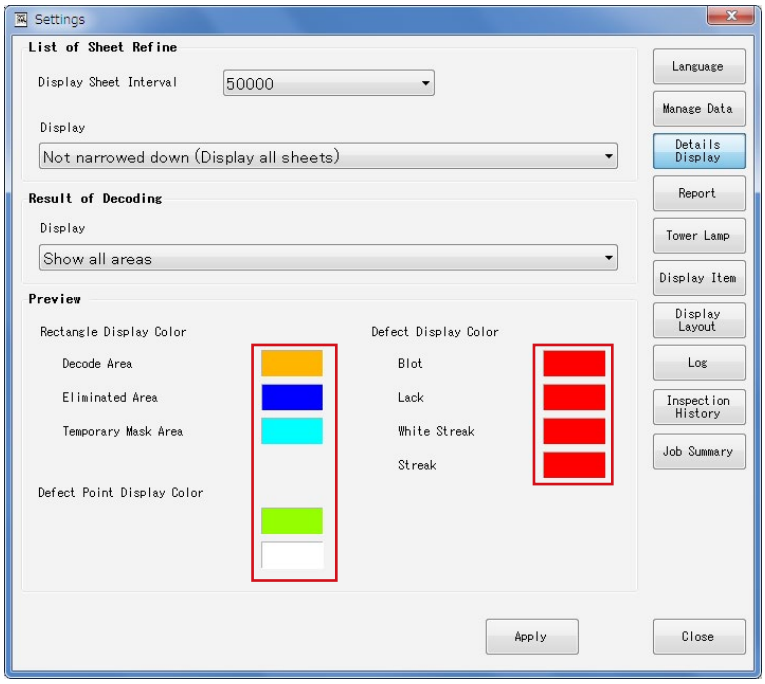
A priority item is registered in the “Job Details” tab in the main window. For more information, see “6.2.3 Job Details tab”.

■Changing the display color of the sheet image (P1/P2) tabs

It is possible to change the indication colors used on the sheet images for the rectangles of the “Decode Area”, “Eliminated Area”, and “Temporary Mask Area”, the defects of “Blot”, “Lack”, “White Streak”, and “Streak”, and the defect position (flashing ON/OFF).

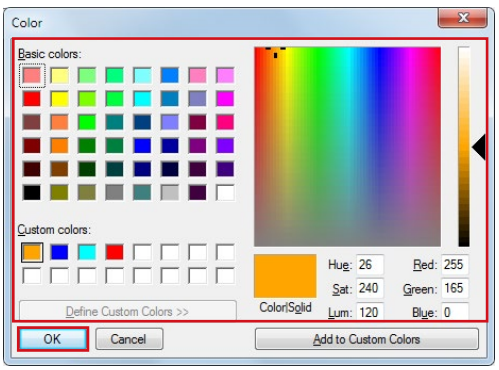
Operation

1) Click the item color to be changed.



The “Color” dialog box is displayed.

2) Select a color, and click the “OK” button.

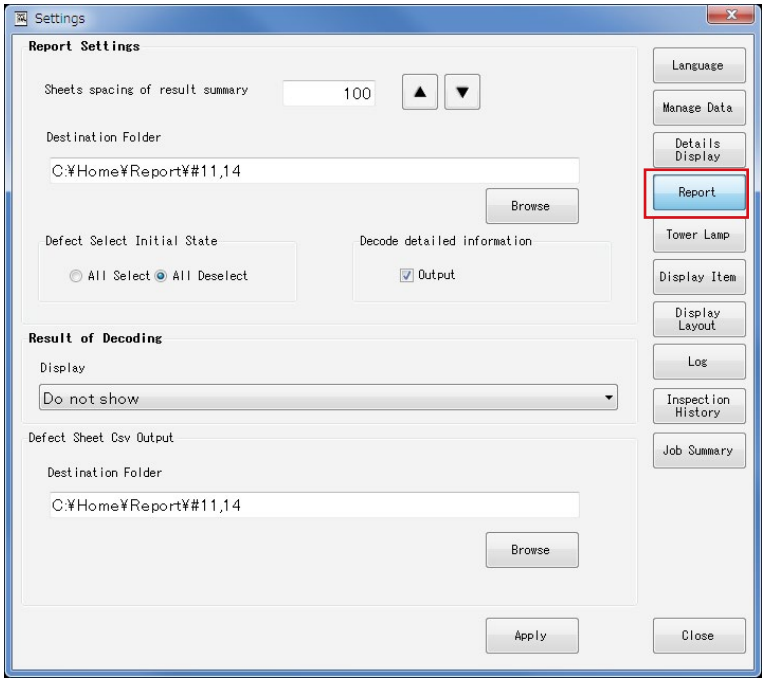


6.7.4 Report

You can change settings for report file output.

Operation

Click the “Report” button in the “Settings” window.



■Changing the number of sheets for counting defects

You can change the number of sheets for compiling the total number of each defect into a single line.

Operation

Enter a numeric value in the entry field for “Sheets spacing of result summary” or click ▲ / ▼ to change the number of sheets.

■Outputting the decoding results of the target sheet to the report file

Operation

Select the display setting for the decoding results to be output to the report file from the “Display” pull-down list under “Result of Decoding”.

- Do not show
- Show only priorities
- Show all areas

Note

A priority item is registered in the “Job Details” tab in the main window. For more information, see “6.2.3 Job Details tab”.

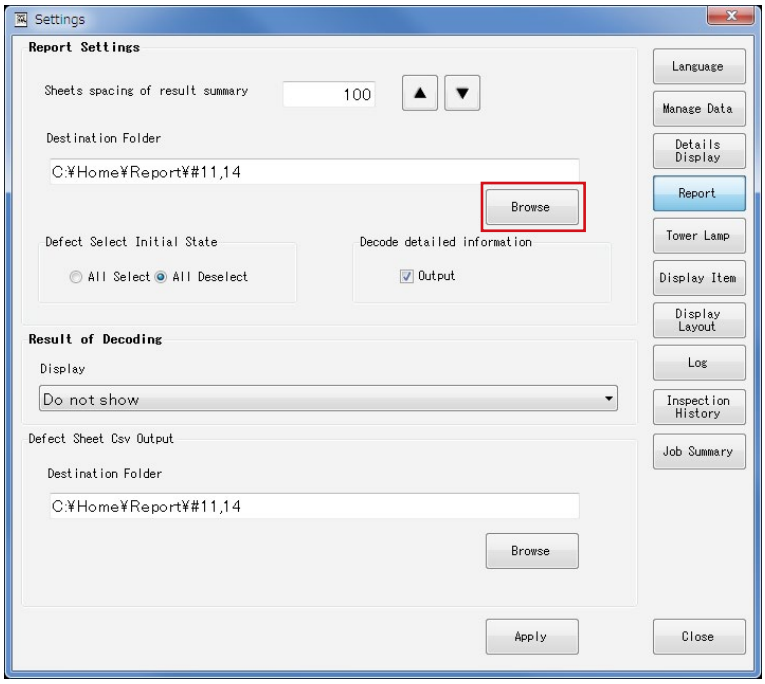
■Changing the output destination

You can change the output destination folder for report files. Enter the full path of the folder location in the entry field below “Destination Folder”.

It is also possible to specify the output destination folder using the following procedure.

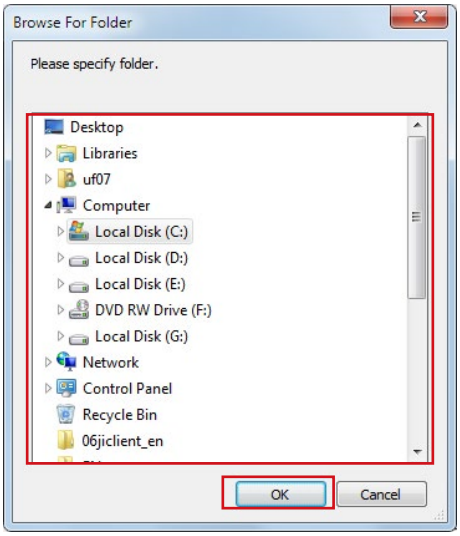
Operation

1) Click the “Browse” button.



The “Browse For Folder” dialog box is displayed.

2) Select a folder, and click the “OK” button.



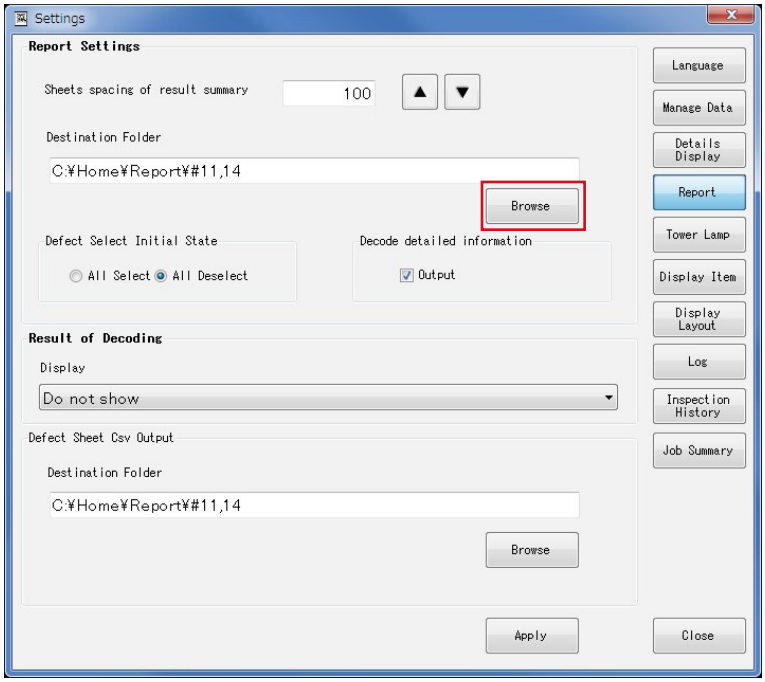
■Changing the output destination

You can change the output destination folder for report files. Enter the full path of the folder location in the entry field below “Destination Folder”.

It is also possible to specify the output destination folder using the following procedure.

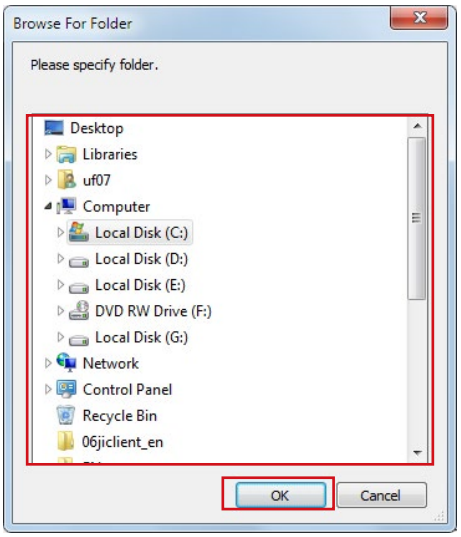
Operation

1) Click the “Browse” button.



The “Browse For Folder” dialog box is displayed.

2) Select a folder, and click the “OK” button.



■Changing the initial state for defect output

You can change the initial state of the “Report” check boxes that are displayed when the “Icon” button is clicked on the “Defect List” tab in the inspection results details window.

All Select: The “Report” check boxes for all defect types will be selected.

All Deselect: The “Report” check boxes for all defect types will be cleared.

6.7.5 Setting the tower lamp

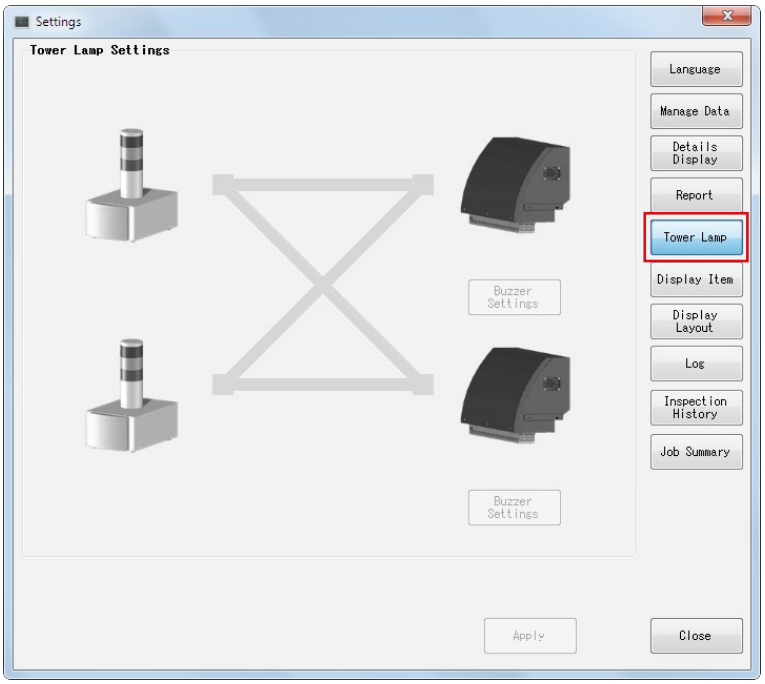
You can make settings for a tower lamp that is on the same network as the JI system.
The operation described in this section is available only when JI Client is installed on a computer that is on the same network as the JI system.

Note

The setting for the back side printer is displayed only for the duplex printing system.

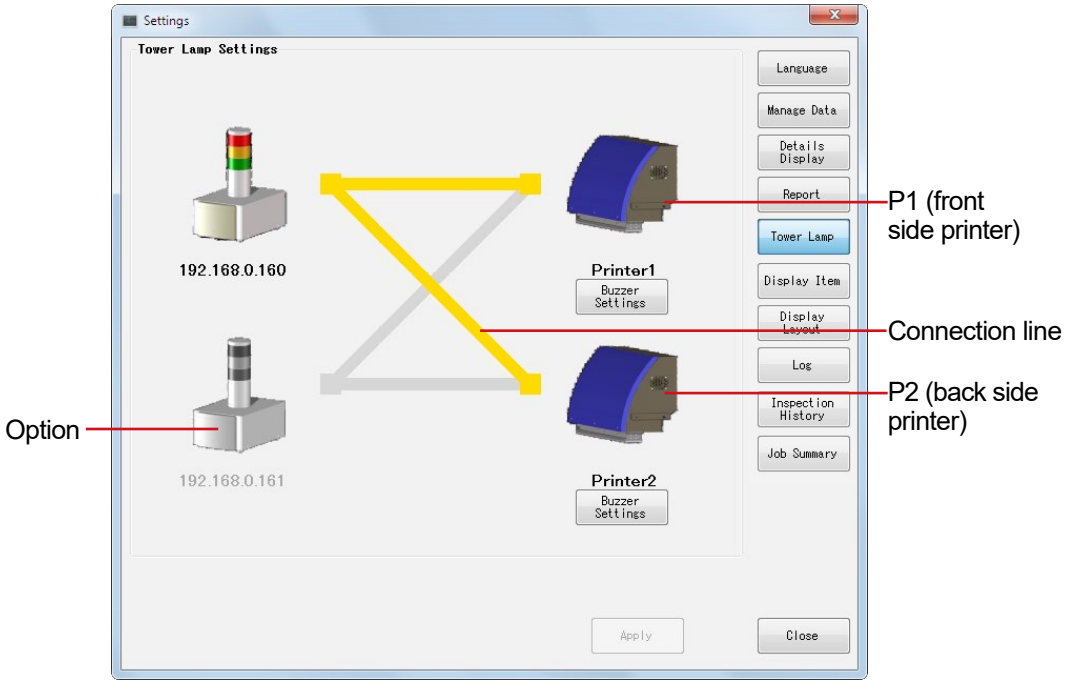
Operation

Click the “Tower Lamp” button in the “Settings” window.



■Setting the tower lamp

Click the connection lines from the tower lamp to be operated to P1 (front side printer) and to P2 (back side printer).
The second tower lamp is optional. It is available only when the tower lamp is colored.

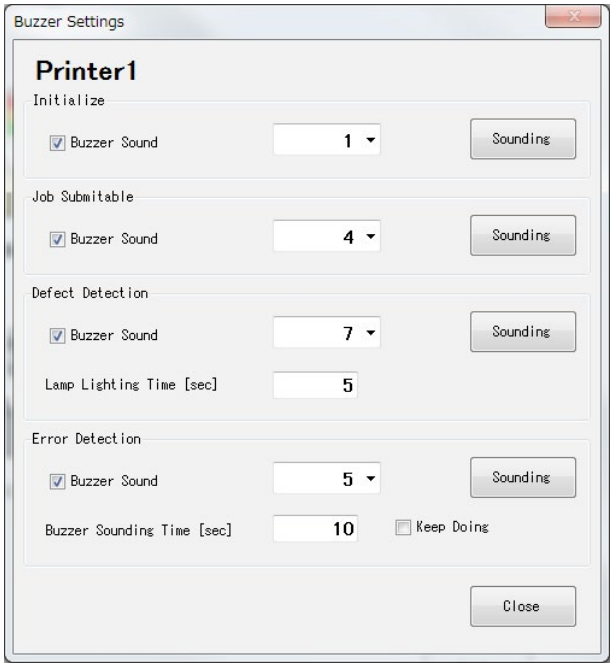


■Setting the buzzer

You can select the condition to sound a buzzer on the printer as well as make sound settings.

Operation

1) Click the “Buzzer Settings” button for the printer (P1/P2) to be set.
   The “Buzzer Settings” dialog box is displayed.
2) Select the “Buzzer Sound” check box for the condition to sound a buzzer.



Initialize : A buzzer sounds when the printer is in the initial state.

Job Submitable : A buzzer sounds when the printing of jobs is ready.

Defect Detection : A buzzer sounds when a defect is detected. When this is selected, enter a lighting time for the lamp in the entry field for “Lamp Lighting Time [sec]”.

Error Detection : A buzzer sounds when an error occurs. When this is selected, enter a sounding time for the buzzer in the entry field for “Buzzer Sound”. To continuously sound the buzzer, select the “Keep Doing” check box.

Note

You can check the buzzer sound by clicking the “Sounding” button.

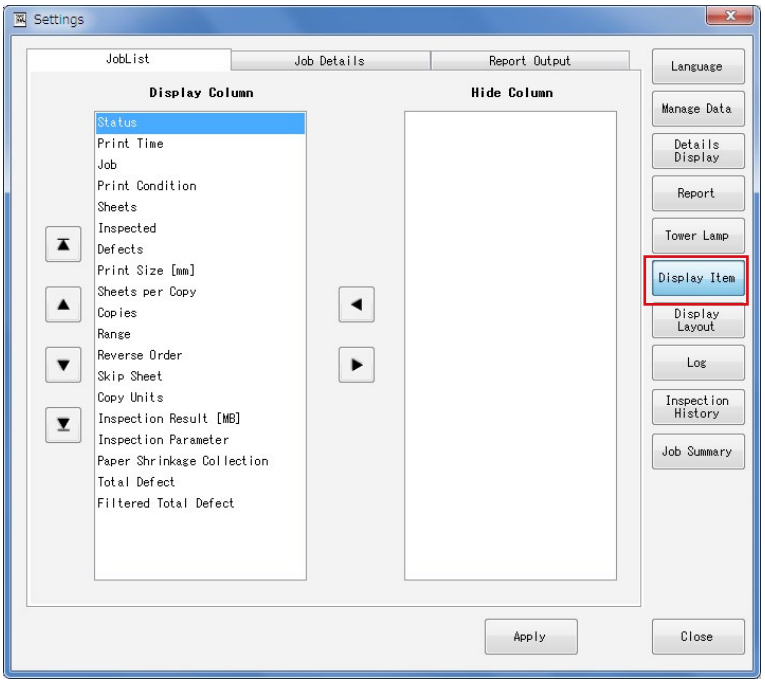
3) Click the “Close” button.

6.7.6 Display items

You can change the items as well as the order of items displayed in the “Job List” tab and “Job Details” tab as well as for “Report Output”.

Operation

1) Click the “Display Item” button in the “Settings” window.

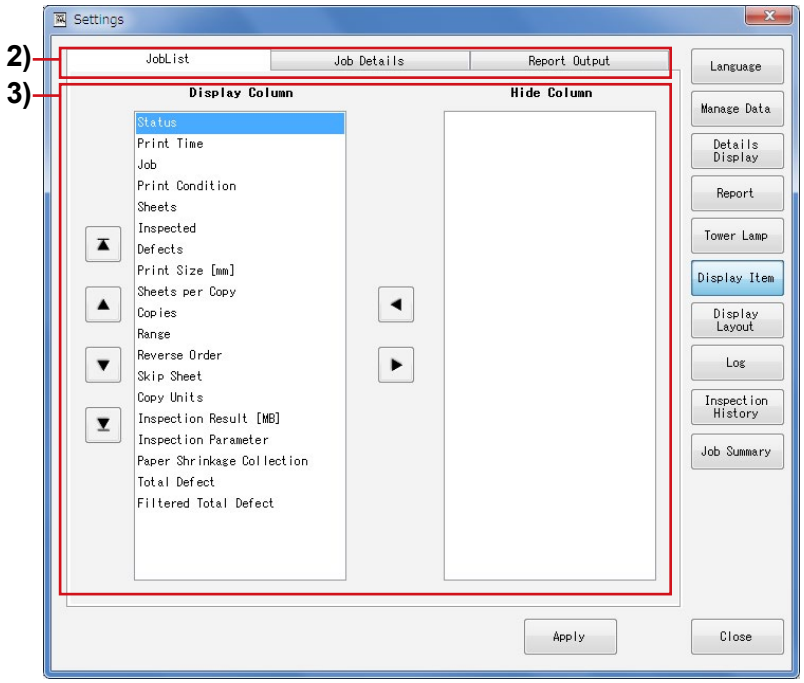


2) Select to either display or hide the items or select the location to change the display order.

3) To change from display to hide, select the target item in the “Display Column” and then click ▶.

To change from hide to display, select the target item in the “Hide Column” and then click ◀.

To change the display order, select the target item in the “Display Column” and then click ▲ to move it up or ▼ to move it down. Click ⤒ to move it to the top. Click ⤓ to move it to the bottom.

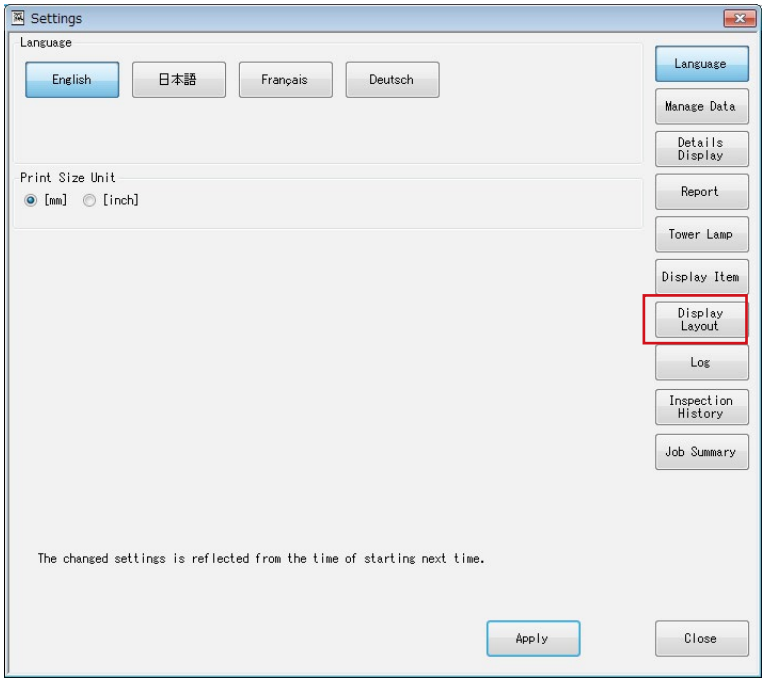


6.7.7 Window layout

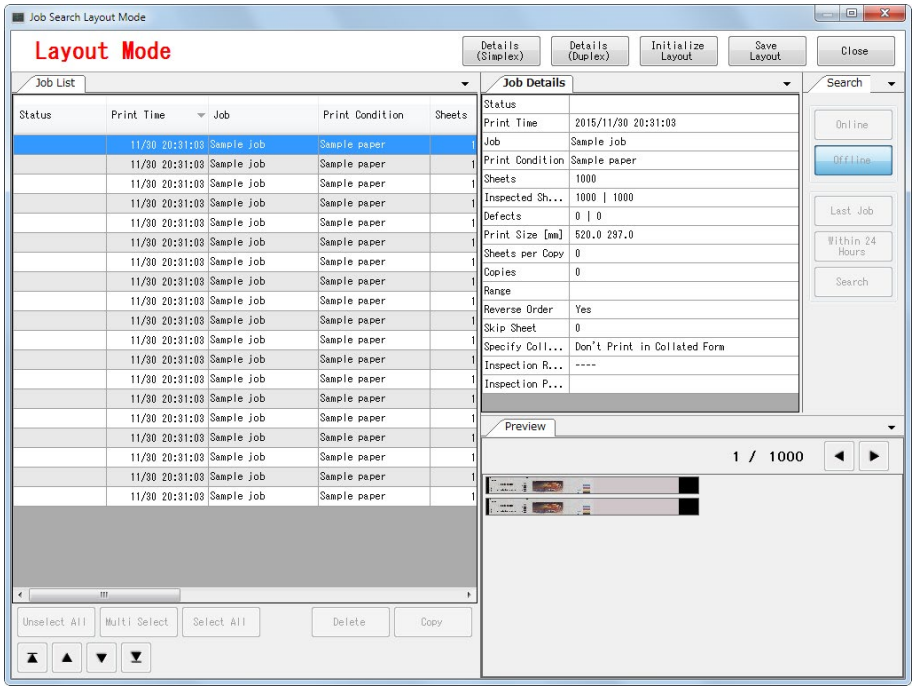
As the main window and the inspection results details window of JI Client use the docking panel layout, you can change layout features such as the size and display position of each tab. To change the layout, switch to “Layout Mode”.

Operation

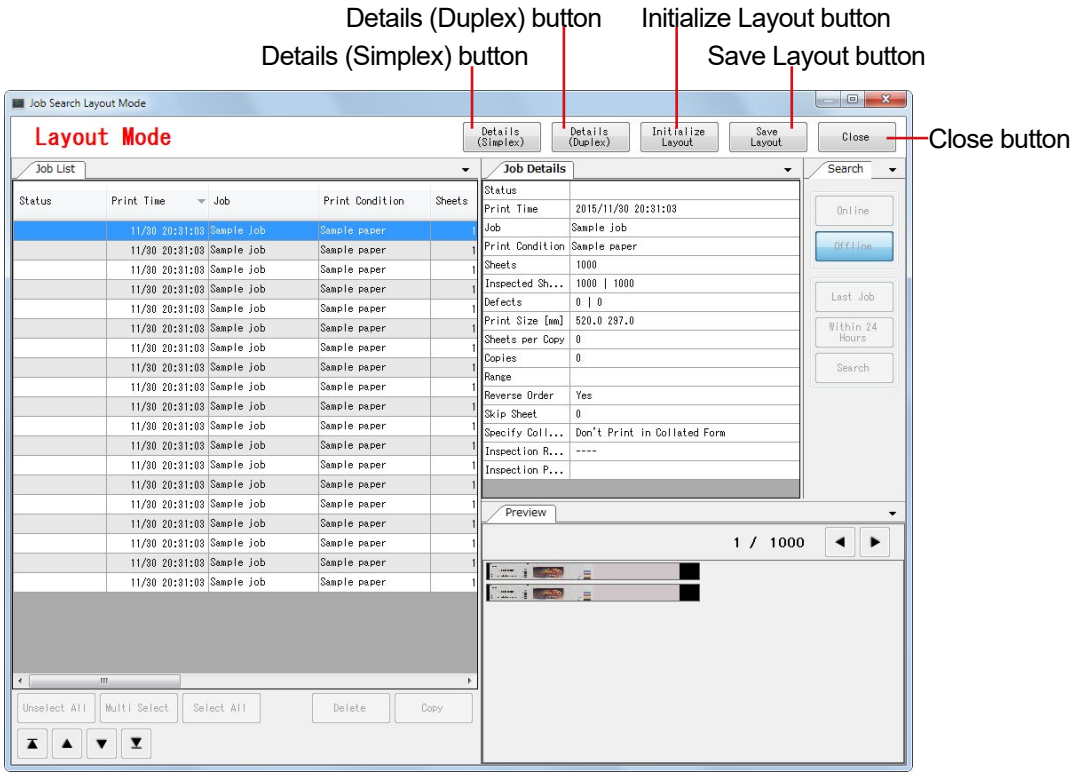
Click the “Display Layout” button in the “Settings” window.



The main window is displayed in the layout mode.



■Layout mode



• Details (Simplex) button

Click the “Details (Simplex)” button to display the inspection results details window (for simplex printing) in the layout mode.

• Details (Duplex) button

Click the “Details (Duplex)” button to display the inspection results details window (for duplex printing) in the layout mode.

• Initialize Layout button

Click the “Initialize Layout” button to reset the changed layout to the initial state.

• Save Layout button

Click the “Save Layout” button after making any change to the layout. The changed layout is saved.

• Close button

Click the “Close” button in the layout mode of the inspection results details window (for simplex/ duplex printing) to return to the layout mode of the main window.

When you click the “Close” button in the layout mode of the main window, you will return to the “Settings” window.

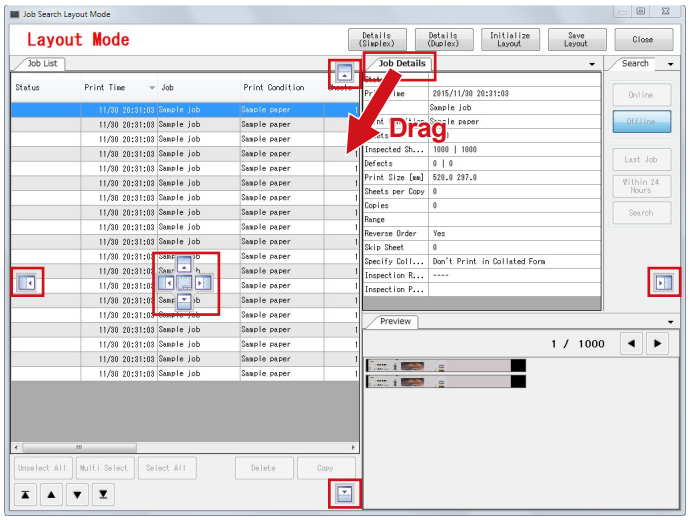
■Docking tabs

You can dock a tab to the upper, lower, left, or right frame or another tab by dragging and dropping it.

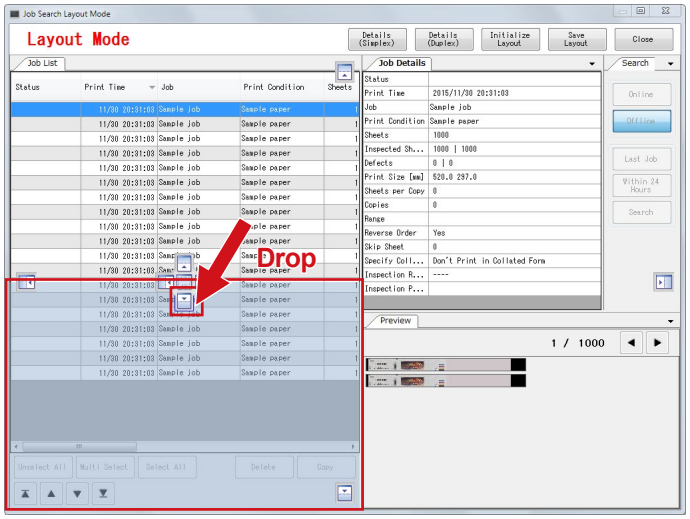
Operation

1) Drag a tab.

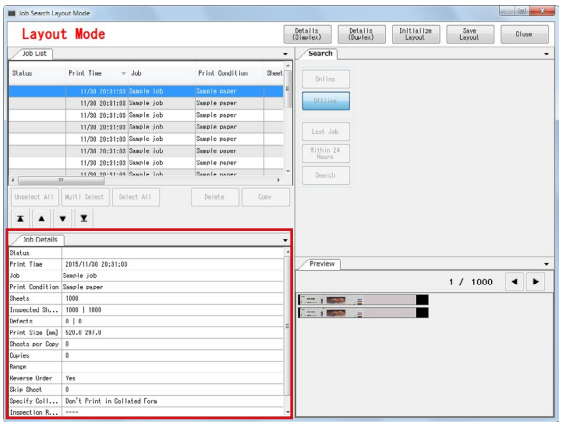
The  (docking icons) are displayed.



2) While holding the tab, move it toward  (docking icon). The position the tab will be docked is displayed.



3) Drop the tab on  (docking icon) to dock the tab to the upper, lower, left, or right frame or another tab.

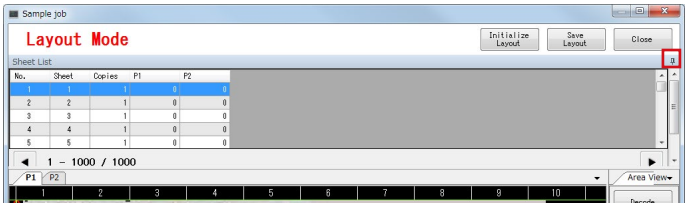


If you drop the tab on  (docking icon) located in the center, the tab is placed adjacent to the tab under the docking icon.

You can switch the tab that appears on top by clicking the tab or selecting from the pull-down list that is displayed when you click ▼ (auto-hide icon).

■Hiding the tab's content automatically

When a tab is docked to the upper, lower, left, or right frame, it is possible to hide the tab's content and display the tab only. Click  (auto-hide icon).



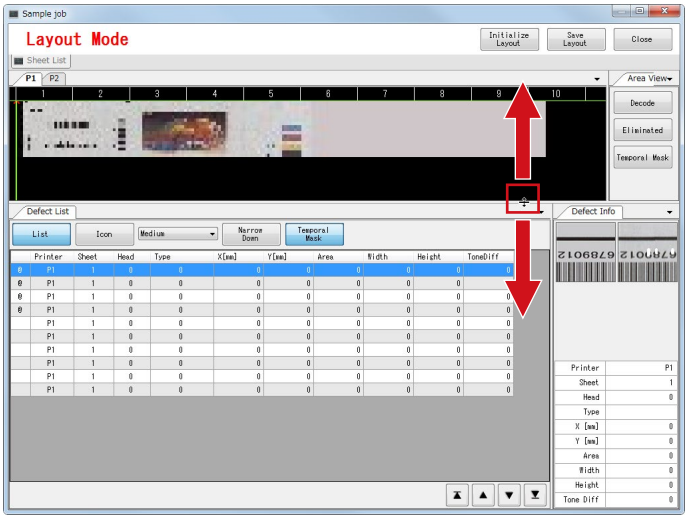
Moving the cursor to the tab displays the whole tab.

When you click  (fix icon) with the whole tab displayed, the tab display is fixed.

■Changing the tab size

When you place the cursor near the upper, lower, left, or right frame of the tab, the cursor shape changes to  .

The tab frame size can now be changed by dragging this cursor.

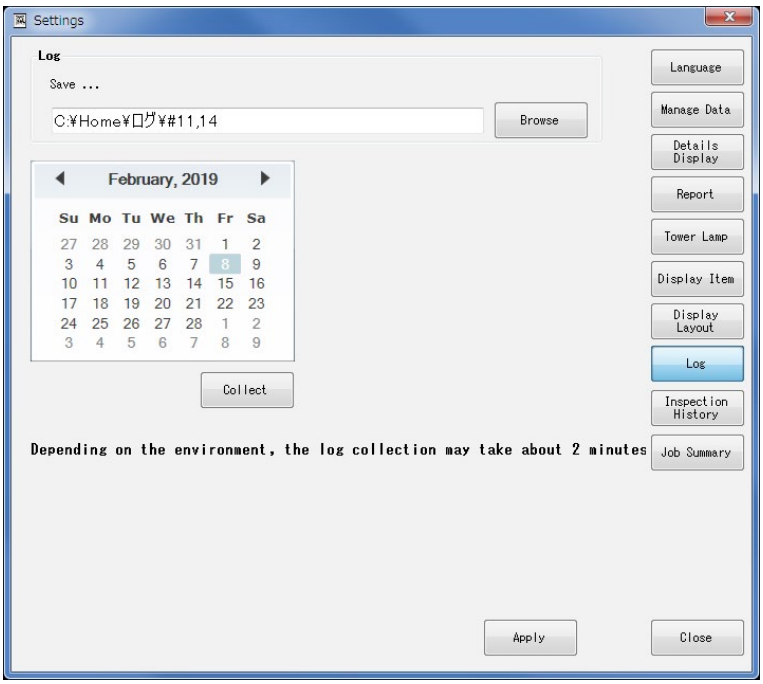


6.6.8 Log

Colloect JetInspection logs from the “Log” screen.

Operation

Click the “Log” button in the “Settings” window. Select the date to collect, specify the folder to save log using the “Browse” button and click “Collect”.

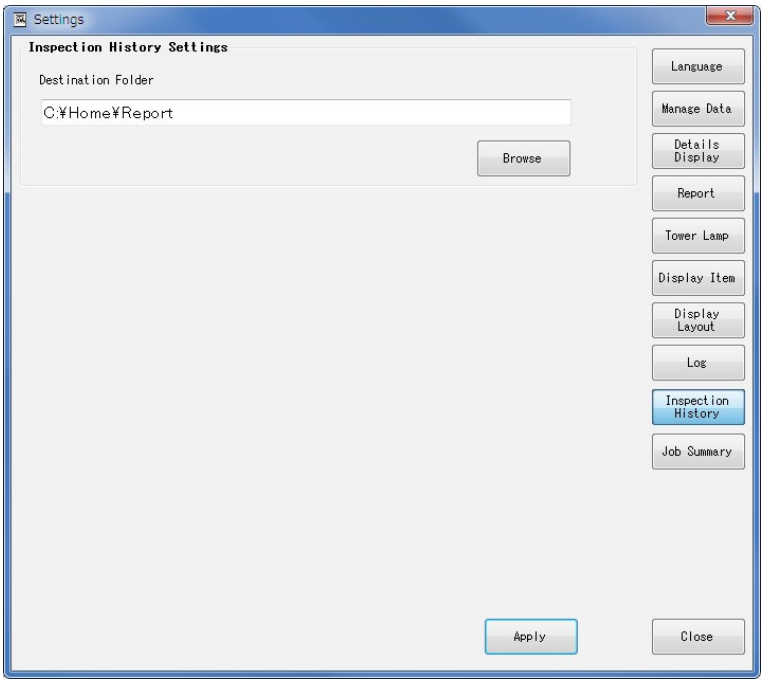


6.6.9 Inspection history

Specify where to save inspection history from job list.

Operation

Click the “Inspection History” button in the “Settings” window. Use the “Browse” button to specify the folder to save inspection history.

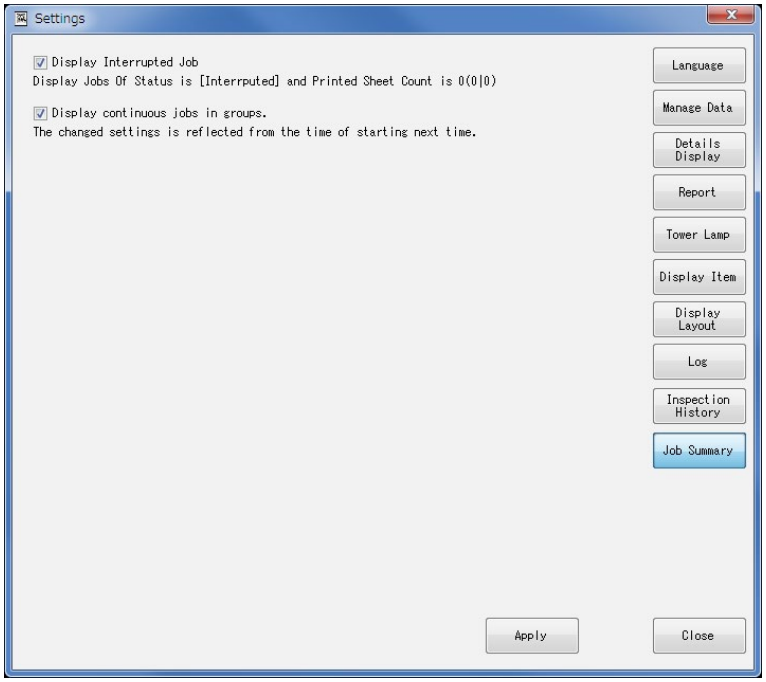


6.6.10 Job list

Manage job list display settings.

Operation

Click the “Job Summary” button in the “Settings” window.

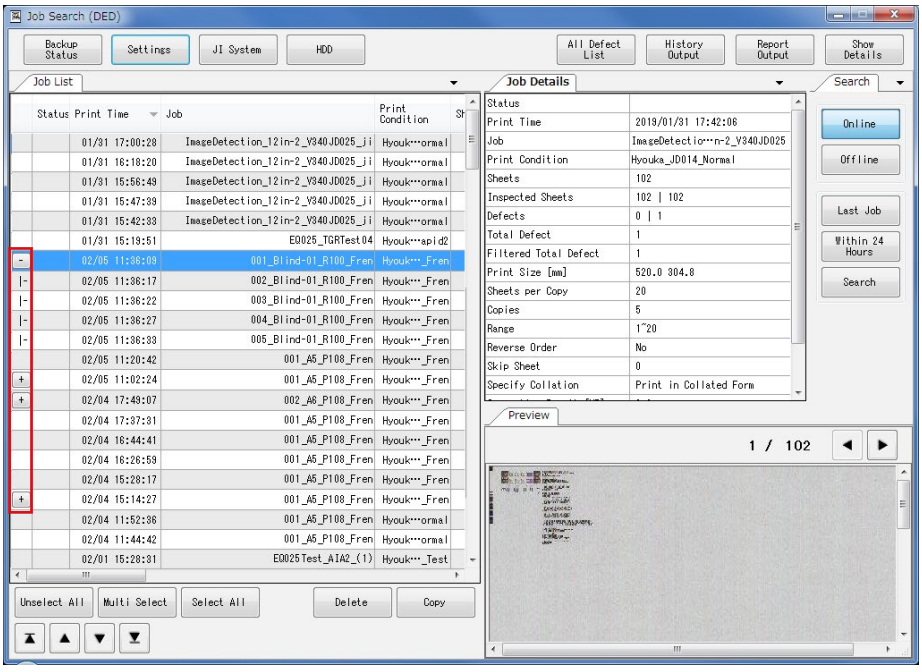


• Display Interrupted Job

Enable this option to display jobs without inspection results. This option is disabled by default, and jobs without inspection results are not displayed in the job list.

• Display continuous jobs in groups

Enable this option to display jobs printed in single continuous run as groups. Groups can be expanded or collapsed by clicking the [-]/[+] buttons.



6.7 All defect list

Display all defects detected in entire job.

Operation

Click the P1/P2 tab to select the printer.

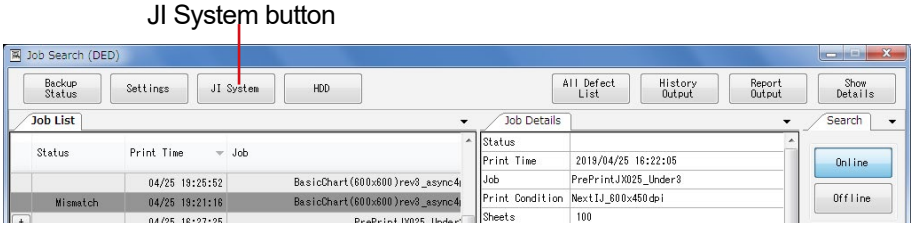
The sheet image will display multiple defects in red “x” and selected defect image in green cross lines. When more than 50 defects exist in a page, the defect image list will be divided into multiple pages which can be switched using “<<” “<” “>” ““>>” buttons.

6.8 JI system control

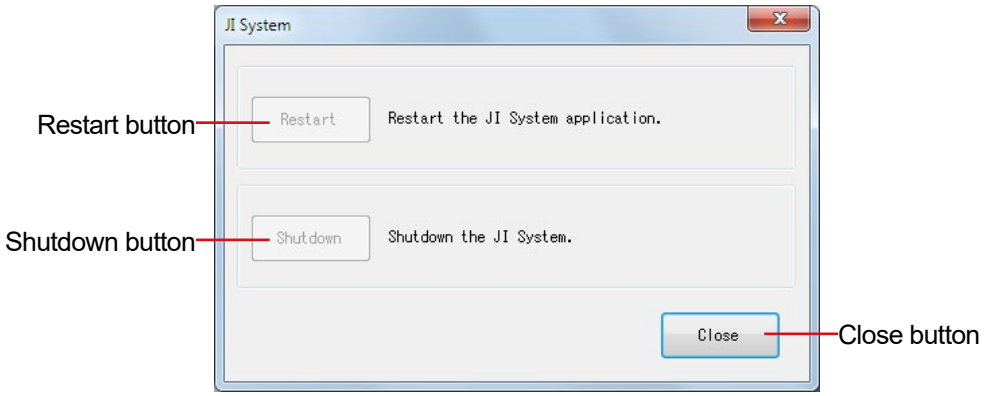
In the “JI System” dialog box, you can restart and shut down the JI system.

Operation

Click the “JI System” button in the main window.



The “JI System” dialog box is displayed.



■Restart button

Click the “Restart” button to restart the application on the JI system.

■Shutdown button

Click the “Shutdown” button to shut down the JI system.

■Close button

Closes the “JI System” dialog box and returns you to the main window.

6.9 Startup restrictions on JI Client

Only one JI Client unit can be started for each single JI system line.
If you activate the 2nd JI Client unit, the following message is displayed.

If the JI Client unit that was started as the 1st unit has not been operated for a certain period of time (default: 5 minutes), the 2nd JI Client can be started. Note, however, that once the 2nd JI Client unit is started, the 1st JI Client unit can no longer be operated.
When the 2nd JI Client unit has not yet been started, the operation of the 1st JI Client unit can be resumed even after it has not been operated for a certain period of time.

Full Color Inkjet Variable Printing System

Truepress Jet520HD

TP-J520HD Series

OPERATION SCREEN MANUAL

First edition, Aug. 2015
Second edition, Dec. 2015
Third edition, May 2016
Fourth edition, Oct. 2016
Fifth edition, May 2017
Sixth edition, Oct. 2017
Seventh edition, Dec. 2018
Eith edition, Feb. 2019
Ninth edition, Jul. 2019
Tenth edition, Oct. 2019
Eleventh edition, Aug. 2020

- Publication
  SCREEN Graphic Solutions Co., Ltd.

The contents of this publication may be changed without notice.

PARTS CODE 100356018V01

Printed in Japan

SCREEN Graphic Solutions Co., Ltd.