Mimaki

MPC Operation Guide

Color inkjet printer
ML Tiger-1800B MKII

MPC (Mimaki Printer Controller)
for ML Tiger-1800B MKII

Operation Guide

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https://mimaki.com/

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Introduction

This operation guide describes how to use the application software (Mimaki Printer Controller, hereinafter referred to as MPC) of ML Tiger-1800B MK II for print operations, maintenance, and configuration.

Description of screen configuration
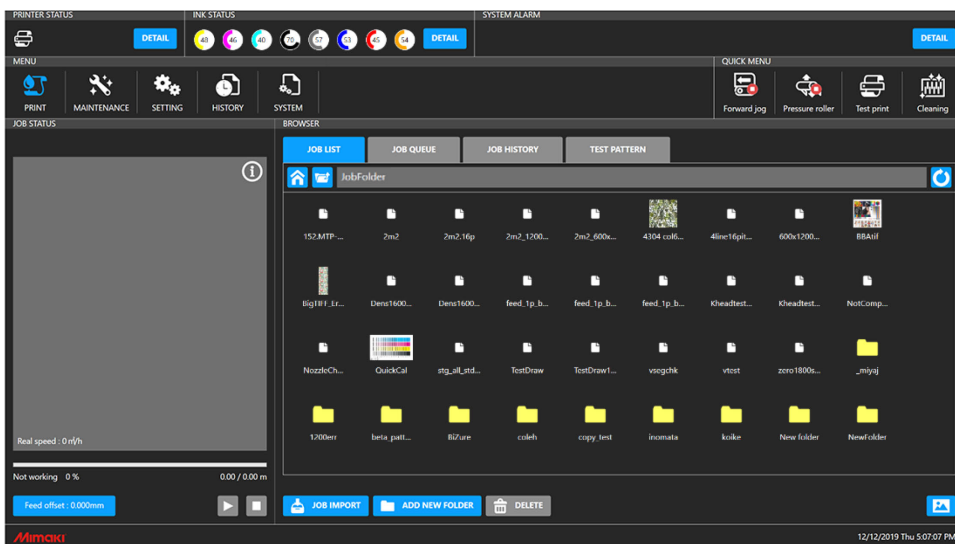
(1) Status bar

(2) MENU
(3) Quick menu

(4) Content

No.	Name	Description
1	Status bar	Shows printer status.
2	MENU	Menus organized by function group.
3	Quick menu	Execute the frequently used functions directly from this screen.
4	Content	Displays the operation screen and information according to the menu.

Status bar

Overview

Shows printer status.

Screen description

(1) PRINTER STATUS   (2) INK STATUS   (3) SYSTEM ALARM
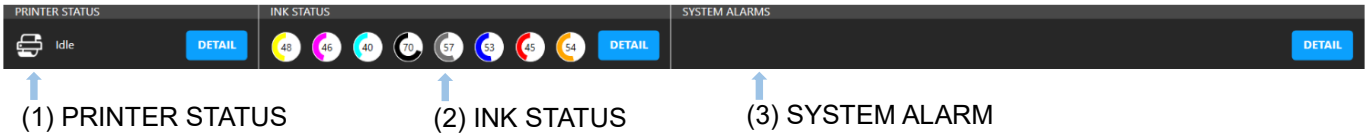
No.	Item	Description	Explanation
1	PRINTER STATUS	The icon changes depending on printer status.	Printer status type Printing Pause Idling Under maintenance
2	INK STATUS	Displays ink color and ink remaining for each ink lot in graph and percentage (%). When the ink level is low, an icon is displayed at the bottom right of each ink.	Type of icon indicating the remaining ink level Ink near end (remaining ink: 21% to 25%) Ink end (remaining ink: 0% to 20%) Ex.) Display at ink end
3	SYSTEM ALARM	The icon is displayed when an alarm is activated. The details of alarms are described on System Alarm (P.23).	Type of alarm Information System warning Error

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MENU

Overview

The menu consists of each function group. The function of each selected menu is displayed in the content area.

Screen description

(5) SYSTEM
(4) HISTORY
(3) SETTING
(2) MAINTENANCE
(1) PRINT
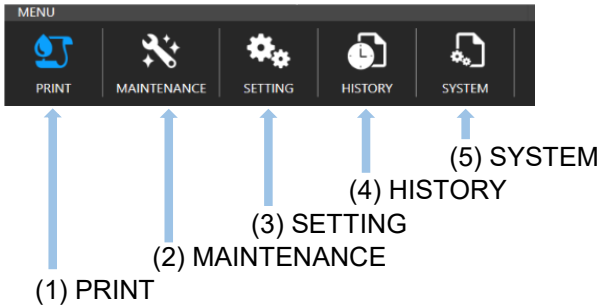
No.	MENU	Description	Main functions
1	PRINT	Perform the job management and printing operations.	・Execution of the print ・Job queue ・Print operation (pause/restart, cancel) ・Print progress display ・Manage jobs (import, select, delete) ・Reprint from Job history
2	MAINTENANCE	Printer maintenance menu. Each maintenance is performed in the wizard format.	・Cleaning ・Head maintenance ・Wiper replacement ・Cleaning unit maintenance, etc.
3	SETTING	Printer setup menu. Make various printer settings.	・Print quality setting ・Printer mechanical setting ・Automatic function setting, etc.
4	HISTORY	Shows the system history.	・Print history ・Each maintenance history ・Alarm history ・Controller history
5	SYSTEM	Displays the system information and system configuration.	・Language setting (Japanese, English) ・System configuration/information display ・Version information ・Licensing information ・PC shutdown/reboot ・Displaying application notes, etc.

Explanation of operation method

Touch panel / mouse operation method
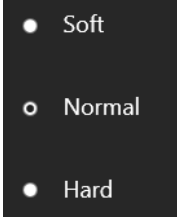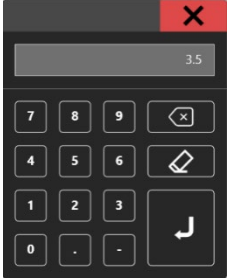
This section describes how to operate the MPC using the touch panel and mouse.

	Controller	When to use	Touch panel	Mouse
1	Select	· Select a job to print · Select a menu · Select setting or operation items, etc.	Operation: Tap	Operation: Left click
2	Press and hold	· Select a job to import · Select a job to delete	Operation: Press and hold	Operation: Right click
3	List scroll	· Scroll a job list · Scroll history etc.	Operation: Swipe	Operation: Mouse scroll

This manual describes the operation instructions using the touch panel.
For the mouse operations, refer to the above table and replace touch panel operations with mouse operations.

Each control operation method

This section describes how to operate each item of MPC.

	Control name		When to use
1	ON/OFF Switch	ON setting OFF setting	When selecting ON / OFF
2	Radio button		When selecting one of multiple options
3	Input number + / -		When entering number
4	Input number Numeric keypad		When entering number
5	Software Keyboard		When entering alphabets and symbols

Explanation of screen when executing process

This section explains the processing screen when processing is executed.

Explanation of screen when executing process

Transition of screen when executing process

```
┌─────────────────────────────┐
│     1. Process execution     │
└─────────────────────────────┘
              ↓
┌─────────────────────────────┐
│     2. Processing screen     │
└─────────────────────────────┘
         ↙           ↘
┌──────────────────┐  ┌──────────────────────────┐
│ 3-1. Process     │  │ 3-2. Processing failure /│
│ completion       │  │ unexecutable             │
│ Clear the        │  │ Display error message    │
│ processing screen│  │                          │
└──────────────────┘  └──────────────────────────┘
```
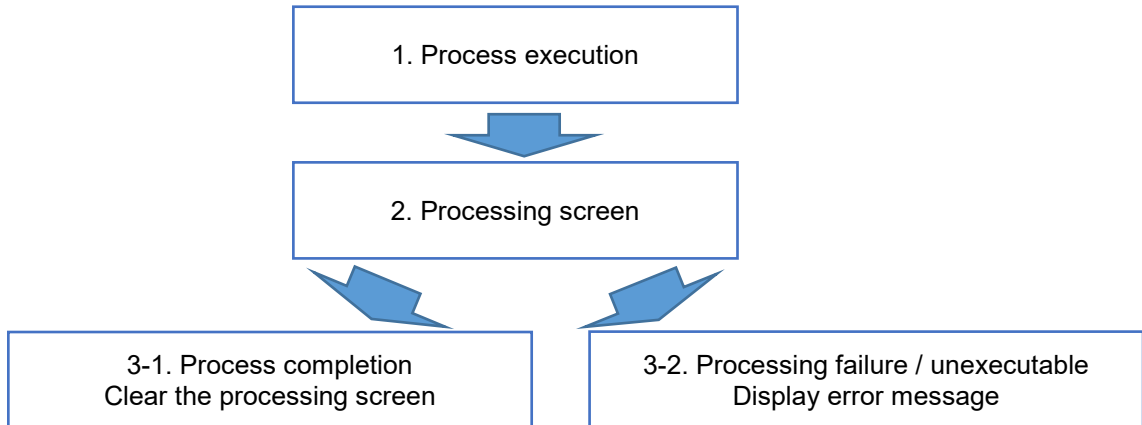
Processing screen

Displayed during processing execution, and the progress is displayed when executing long processing.

> (Important!) **While the processing screen is displayed, other operations are not accepted to prevent misoperation.**

Progress
1) % display   2) Remaining processing time guide
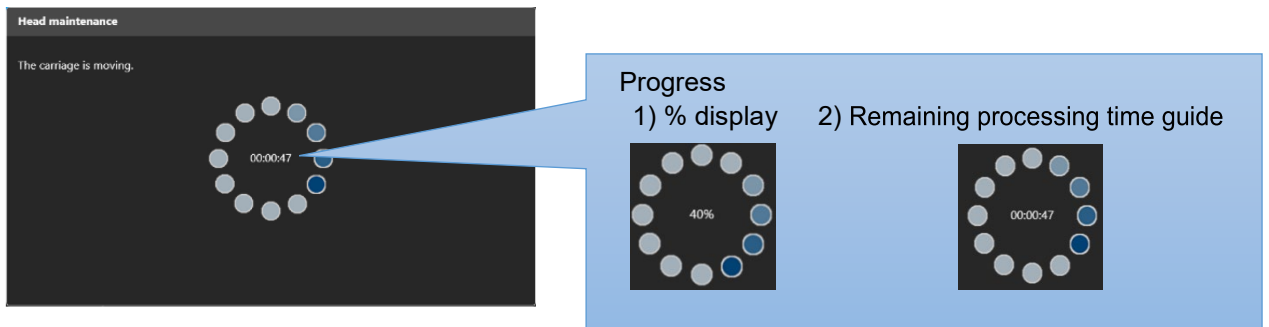
Processing screen

A message is displayed when processing fails or when processing is not possible.

Error

8901(Mdc Status is PRINT STANBY): 8901(Mdc Status is PRINT STANBY)

OK
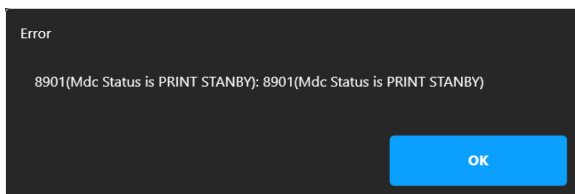
Execute processing again according to the message content.

Print operation

This section describes the job management and print operation procedure of the selected job.

Description of the print content

Print operation is performed from the Print menu.

Print content screen structure

No.	Item	Description
1	Print status area	The print status is displayed. ・ Job information during printing (thumbnail) ・ Print status (progress) ・ Pause/restart or cancel during printing ▮▮ Pause ▶ Restart ■ Cancel

2	Job management tab	Manages jobs.
		・ JOB LIST: Print job selection, job import / deletion
		・ JOB QUEUE: List of jobs waiting to be printed
		・ JOB HISTORY: Printed job history
		  (Jobs can be reprinted from the history)
		・ TEST PATTERN: Built-in test pattern
		  (including adjustment pattern)

3	Job list area	Displays a list of jobs for each job management tab. Select a job to print from the list.
4	Job operation button	Displayed when the JOB LIST tab is displayed, and imports, deletes, and creates folders.

Flow to printing

Print a job created with the RIP application by the following procedure.

```
┌─────────────────────────────────────┐
│         1. Import of a job           │
│       See [Import of jobs (P.12)]    │
└─────────────────────────────────────┘
                   ↓
┌─────────────────────────────────────┐
│      2. Selection of the job to print │
└─────────────────────────────────────┘
                   ↓
┌─────────────────────────────────────┐
│      3. Setting of print conditions   │
└─────────────────────────────────────┘
                   ↓
┌─────────────────────────────────────┐
│          4. Start printing            │
└─────────────────────────────────────┘
                   ↓
┌─────────────────────────────────────┐
│    5. Print end and print operation   │
└─────────────────────────────────────┘
```
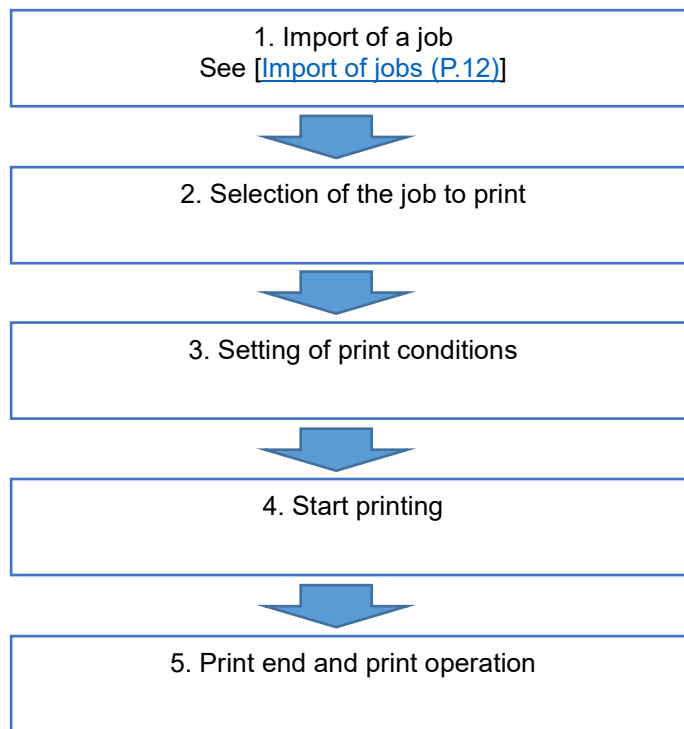
> ⓘ Please check the following before printing.
> ・Perform a test print and check the nozzle status. Perform cleaning as necessary.
> ・Make sure that the pressure roller is descending and pressing the media.
> ・Check the ink level and media level.
> ・Check whether an alarm has occurred.
>   If an alarm has occurred, remove the cause of the alarm and clear the alarm.

1. Import of a job

When printing, import the job to the internal PC.

This section describes how to import a job from a removable disk and how to import through a network.

> (Important!) **Although it is possible to directly select a job on a removable disk, printing may be delayed. It is recommended that you print after importing.**
> *** Delay: There is a delay in data transfer, and there is a possibility that the print will be delayed by about 1 second for each scan.**

1-1. Import from the removal disk

Import the job created with RIP to the PC with the internal PC according to the following procedure.

Step 1: Insert the removable disk (USB memory) into the internal PC.

Insert the removable disc containing the job into the USB port of the internal PC.

> 💡 **USB with password is not supported.**

Step 2: Tap the [JOB IMPORT] button.

After selecting a job, tap the [JOB IMPORT] button to display the <Import> dialog.
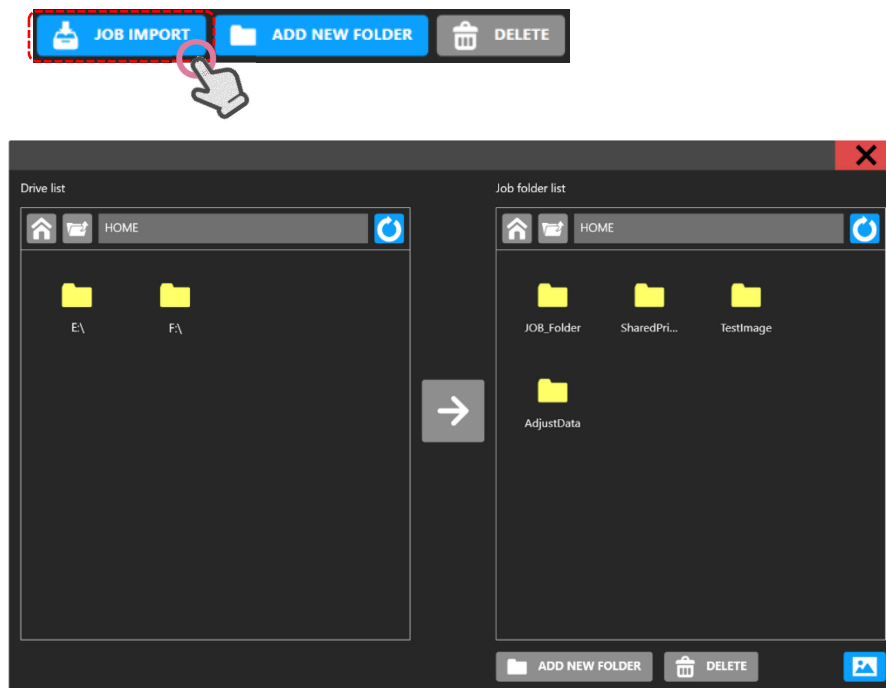
<Import> dialog

Step 3: (Left screen) Select the job to be imported.

Move to the folder that contains the job you want to import and <u>press and hold</u> the job to select.
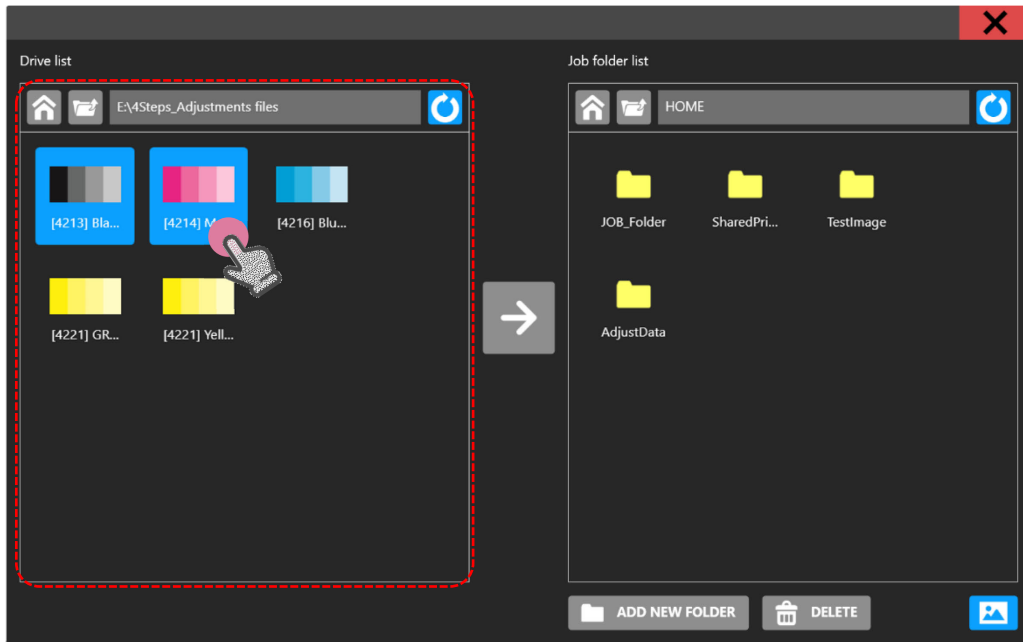
Step 4: (Right screen) Specify the import destination.

Move to the folder where you want to copy the job.
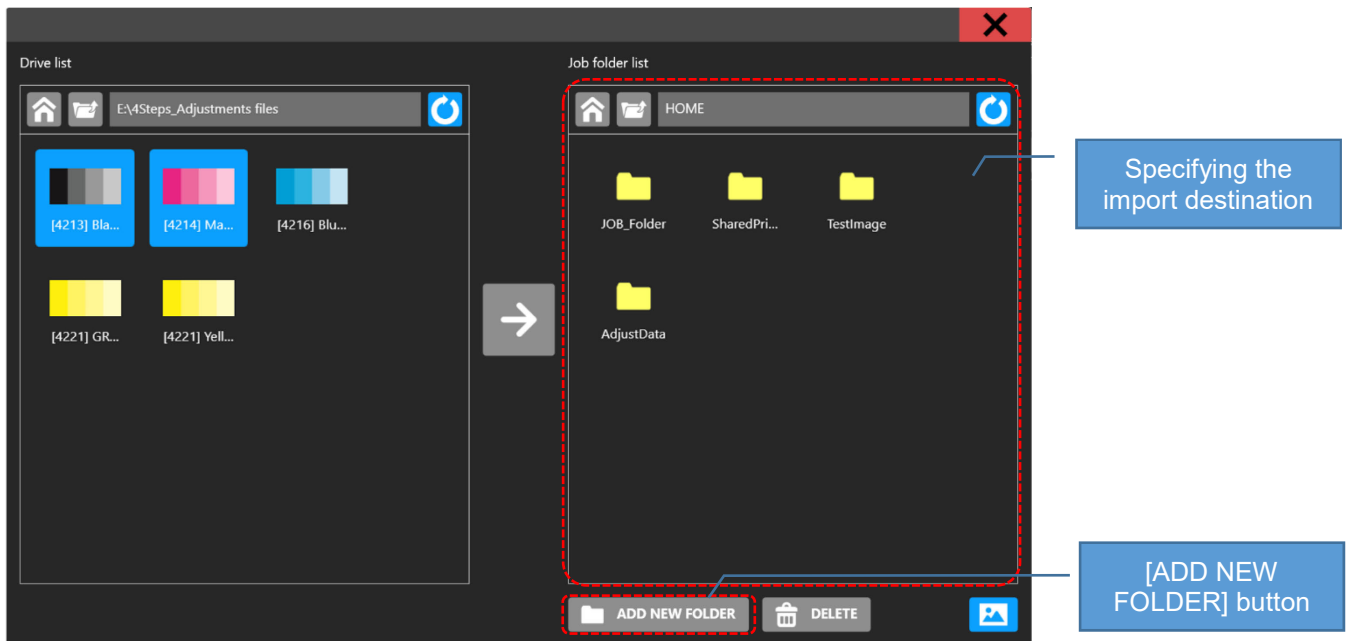
Click [ADD NEW FOLDER] to pop up <Create folder> dialog.

Enter the folder name on the screen and tap the [Enter] key to create a folder with the entered name and close the <Create folder> dialog.

<Create folder> dialog

> 💡 **If the folder name is not entered, a folder named "NewFolder" is created.**
> **If a folder with the same name already exists, the <Create folder> dialog will be closed without creating a new folder.**

Step 5: Perform import.

After setting the job to be imported and the import destination, tap the [Execute] button in the center of the dialog.

- The job is copied from the removable disk to the specified path.

- The transfer speed depends on the size of the job to be transferred and the performance of the removable disk.
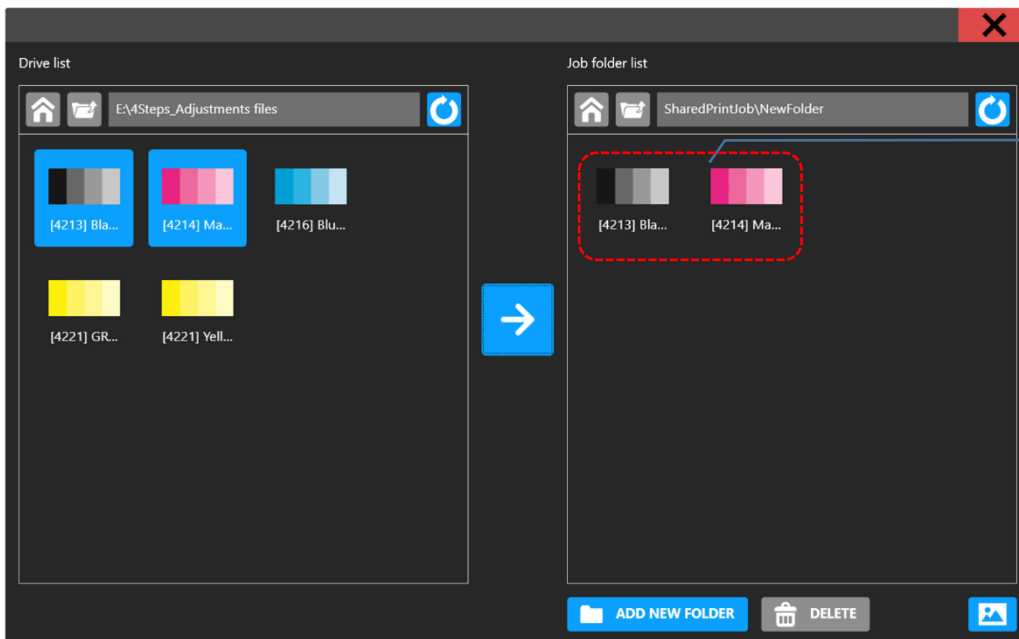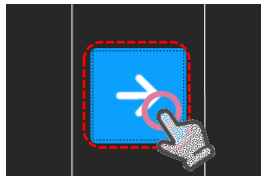
1-2. Import from network.

A network shared folder is set in the printer's internal PC. Jobs can be imported to the shared folder from another PC connected to the LAN.

The recommended import method is described below.

∗ Transfer the RIP-completed job folder to the shared folder [SharedJob] on the internal PC.
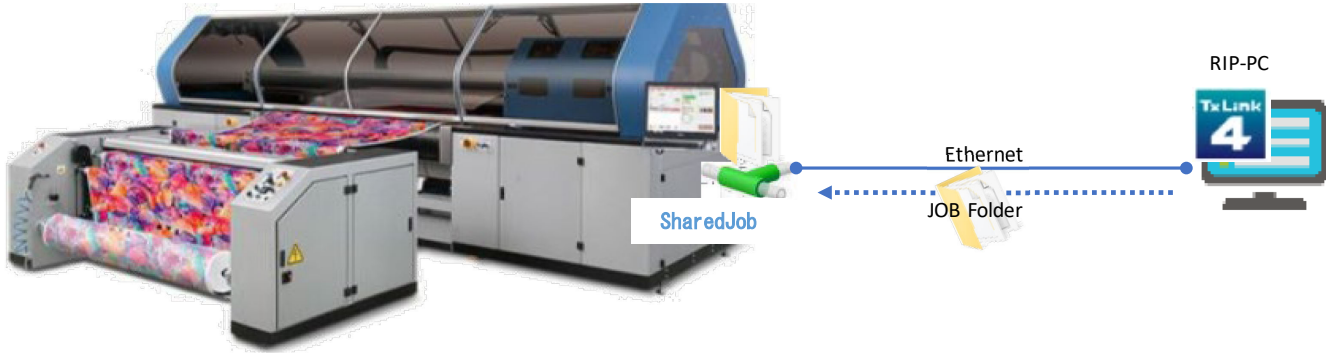
> 💡 **Depending on the network environment, import may not be possible. In that case, contact your network administrator.**

Step 1: Search the shared folder of this machine. (Operate from other Windows PC)

Use the network search function to search for the computer name "TIGERMK2" from the import source PC (RIP PC, etc.), or search for the shared folder by specifying the IP address of this machine.

Step 2: Import the job to the shared folder.

Copy the job to the "TIGERMK2" shared folder, [SharedJob].
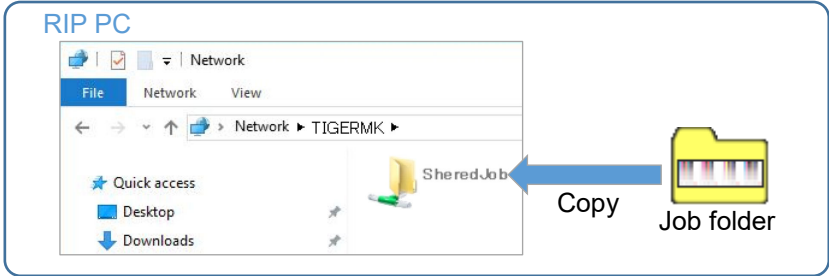
The copied job can be printed from the [SharedJob] folder in the [PRINT] menu - [JOB LIST] tab.
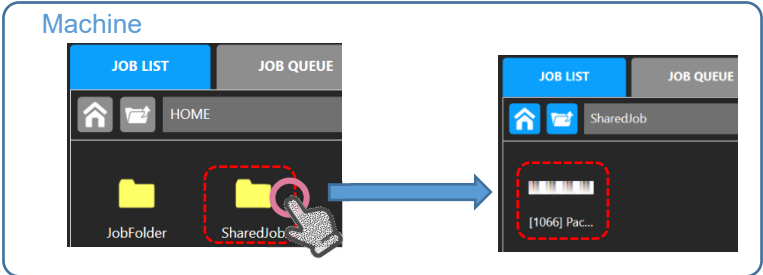
2. Selection of a job to print

Tap the job to be printed from the Job list area to display the <Print condition selection> dialog.

> (Important!) **If a job displayed in the JOB LIST tab or JOB HISTORY tab is deleted from the PC, the job will be displayed, but an error will occur when you execute printing.**
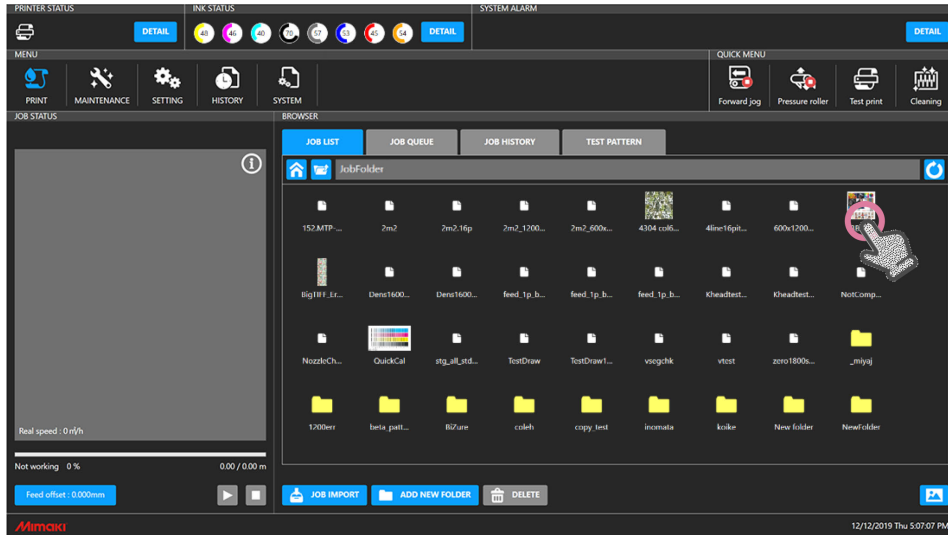
Tap a job from the job list area
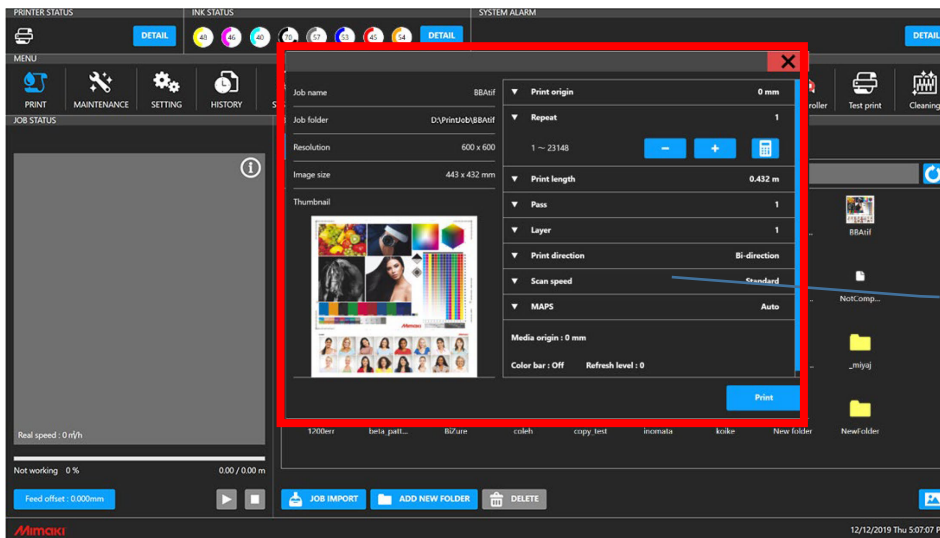
Display the <Print condition selection> dialog

3. Setting of print conditions

Enter a condition in the <Print condition selection> dialog to start printing.

Job name	BBAtif
Job folder	D:\PrintJob\BBAtif
Resolution	600 x 600
Image size	443 x 432 mm

Thumbnail

▼ Print origin	0 mm	1
▼ Repeat	1	
1 ～ 23148		2
▼ Print length	0.432 m	3
▼ Pass	1	4
▼ Layer	1	5
▼ Print direction	Bi-direction	6
▼ Scan speed	Standard	7
▼ MAPS	Auto	8
Media origin : 0 mm		
Color bar : Off Refresh level : 0		9

Print
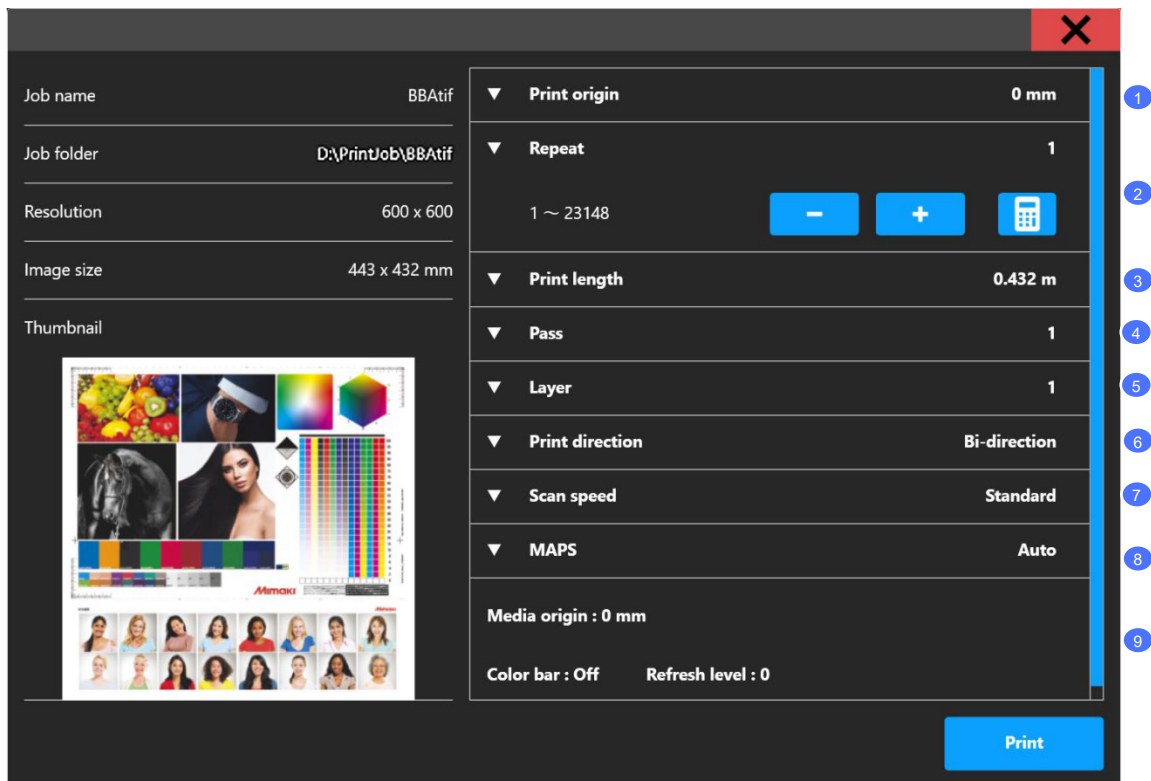
<Print condition selection> dialog

No.	Setting item	Description of settings and range of input values
1	Print origin	Specify the print origin based on the media origin. ・ Input range: 0mm to MAX1600mm * MAX varies depending on image width ・ Enter the value of the left position to start printing from the media origin
2	Repeat	Specify the number of times to print the selected job repeatedly. ・ MAX: Print length x repeat setting = 10000.00 m or less [*1]
3	Print length	Specify how many meters the selected job will be printed. ・ Input range: Image height ~ 9999.00 m [*1]
4	Pass	Specify the pass. ・ 1-4 (pass) ・ The number of pass available depends on the job's resolution. Ex.) When the value is 1200 dpi, it can be used with two or more passes.
5	Layer	Specify the layer (number of layers). ・ 1 to 4 (layer)
6	Print direction	Direction of scanning to be printed is specified. ・ Uni-direction / bi-direction
7	Scan speed	Specify the scan speed. ・ High speed (fast) / standard (standard speed) ＊ High speed cannot be selected for big dot job data. ＊ If you set the high speed job to the standard setting, the print speed will be slower.
8	MAPS [*2]	Specify the MAPS. 1) Setting: Auto (Recommended) 　 Manual (Apply the following input value) 2) Speed: 50% to 100% 　 The closer to 50%, the lower the print speed. Determine the value according to the job and image quality. 3) Smoothing: 0% to 100% 　 Reduce the density differences in the overlapping prints. 　 The closer to 0%, the thicker the density. ＊ It is necessary to adjust to the optimal density depending on the media type.
9	Setting information display	The following information set in the setting menu is displayed. Check the contents before printing. ・ Media origin ・ Color bar ＊ To change the setting, use the setting menu.

[*1] Each repeat and print length varies depending on the set value and image size.
[*2] MAPS: MAPS function (Mimaki Advanced Pass System) is a function that disperses the boundary of the pass and makes the feed stripe inconspicuous. Depending on the printing conditions, such as 1 pass printing, the MAPS mask may be visible.

4. Start of printing

After specifying the print conditions, tap the [Print] button to start printing.
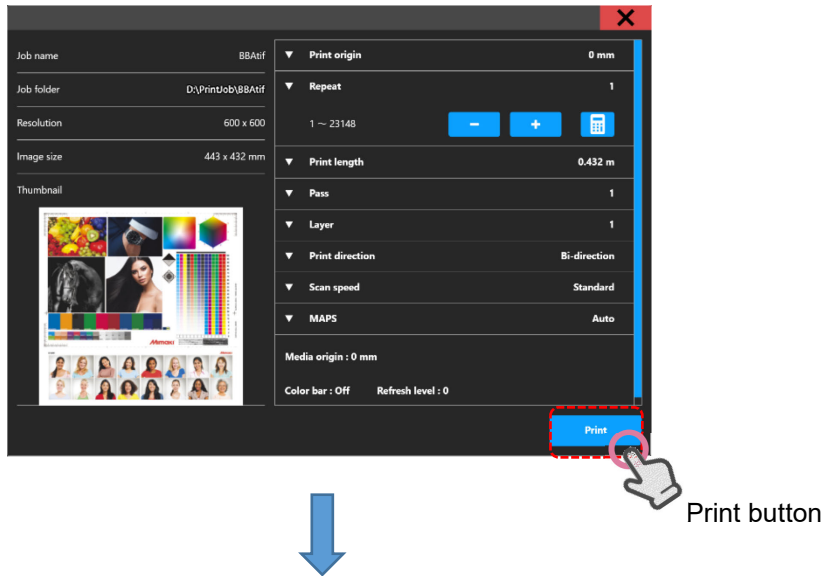
Print button

When printing starts, the <Print condition selection> dialog box is closed and the job information and progress being printed are displayed in the JOB STATUS area.

(Prepare for printing...)

Displays the progress of preparation for printing

(Printing...)

Displaying the progress of printing
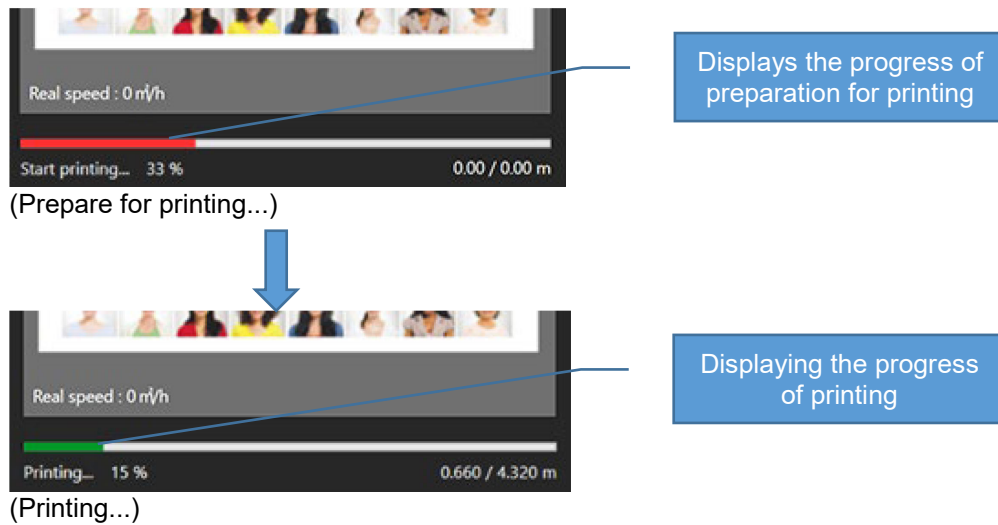
Operation during printing

You can pause/restart or cancel printing by tapping the [Print operation] buttons.

[Print operation] buttons
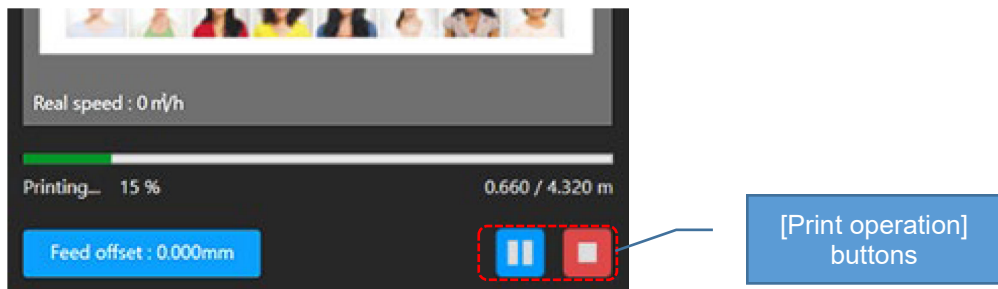
Pause

Pause the print operation.

Tap the [Pause] button in the Print status field.

Pause and change to [Restart] button.

The processing screen is displayed until the pause is completed. -> Completed

<Print pause> dialog

> When the pause process is performed, the carriage returns to the station.
> When the carriage returns to the station, the process is completed.

> 💡 **If the [Pause] button is tapped in the bi-direction print mode, printing is performed for the return path and then stopped.**
> **Depending on the timing of tapping the [Pause] button, it will stop after one round-trip printing.**

Restart

Restarts printing of the paused job.

Tap the [Restart] button in the JOB STATUS field.
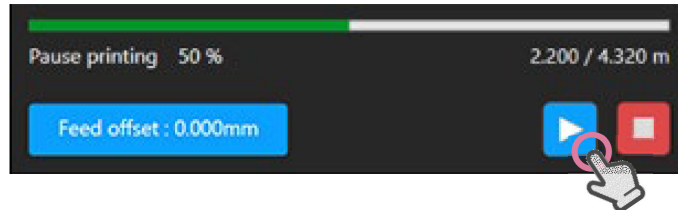
Cancel

Cancels the print.

Tap the [Cancel] button in the JOB STATUS field.
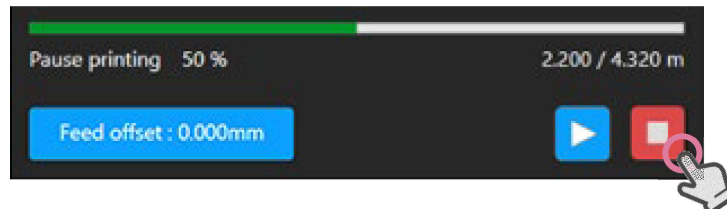
The processing screen is displayed until the cancellation is completed. -> Completed

<Print cancel> dialog

After canceling, the carriage returns to the station.
When the carriage returns to the station, the process is completed.

> After canceling, if there are waiting jobs in the JOB QUEUE, the information of the next job is displayed in the JOB STATUS field.
> Tap the ▶ [Restart] button to print the next job.

Cleaning during printing

Cleaning can be performed at any time during printing.

Perform cleaning from the QUICK MENU or MAINTENANCE MENU.

Refer to "Cleaning at any time (P.27)" for cleaning.
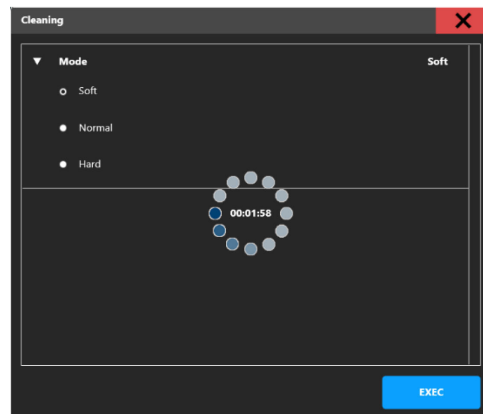
After the pause, the carriage returns to the station and cleaning is performed.

💡 **After the cleaning is completed, printing resumes automatically.**

SYSTEM ALARM

The SYSTEM ALARM field displays the alarm information that occurred on the machine.
This section describes an error indication and corrective actions.

Indication when an error is occurred

When an error occurs, an alarm icon and error details are displayed in the [SYSTEM ALARM] area. If you tap the [DETAIL] button when an alarm occurs, the detailed information and the [CLEAR ALARM] button will be displayed and you can clear the alarm.

Status bar display

An alarm icon is displayed in the color corresponding to the error level in the [SYSTEM ALARM] in the status bar.

In this area, the error with the highest error level and the latest occurrence time is displayed.

Alarm detail display

Tap the [DETAIL] button in the [SYSTEM ALARM] area to display all the errors that have occurred.

How to display the alarm details screen

Tap the [DETAIL] button
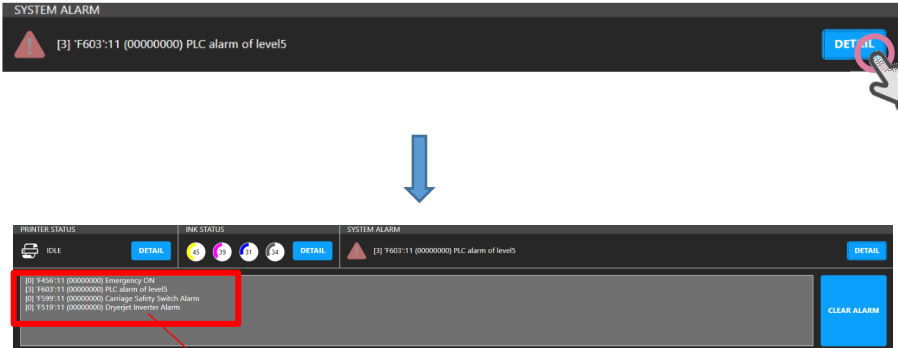
[ALARM DETAIL] screen

[0] 'F456':11 (00000000) Emergency ON
[3] 'F603':11 (00000000) PLC alarm of level5
[0] 'F599':11 (00000000) Carriage Safety Switch Alarm
[0] 'F519':11 (00000000) Dryerjet Inverter Alarm

Alarm icon

Information (error level: 0)

Icon color: Yellow

<Alarm content>
Occurs when treatment is required, such as ink near end.

<Handling method>
Continue printing.
Check the alarm details and take action according to the information.

System warning (error level: 1)

Icon color: Orange

<Alarm content>
Occurs when printing or cleaning cannot be started or continued due to an ink end or ink tank set error.
If it occurs during printing, the machine enters a pause state.

<Handling method>
Pause the print operation.
You can resume printing after performing the necessary measures and clearing the alarm.

Error (error level: 2 or 3) * Includes critical condition

Icon color: Red

<Alarm content>
Occurs when the printing operation or operation cannot be performed due to an emergency or printer error.
If it occurs during printing, the print is canceled.

<Handling method>
The print is canceled.
Take the necessary action and register the job again after clearing the alarm.

Error description

The contents of the displayed error are as follows.

   [2] 0602:09 (____3____) INK END
   (1)   (2) (3)   (4)

   How to read error contents
   (1) Level -> Error level (0-3)
   (2) Code -> Error code
   (3) Unit -> Error unit number
   (4) Contents -> Error Information

Operation restrictions when an alarm occurs

When an error occurs, the operation is restricted according to the alarm level. This section describes the operation according to the printer status and error level.

Idling status

If an error occurs in the idling state, the operation is restricted according to the error level.

Level	Operation restriction	Description
0	All operations are possible.	Check the information and perform each operation.
1	Cannot start printing.	An error that cannot start printing has occurred. Remove the cause of the error and start printing after clearing the alarm.
2, 3	Cannot start printing. Other operations cannot be performed. (Depends on error details)	Printing cannot be started or a critical error has occurred. Depending on the content of the error, other operations cannot be performed. Remove the cause of the error, clear the alarm and perform each operation.

∗ Cleaning is restricted when an ink supply system error other than Level 0 occurs.

Printing status

If an error occurs during printing, the printing operation is paused or stopped according to the error level.

Level	Operation details	Description
0	Printing continues.	If action is required, pause or cancel.
1	Printing is paused.	An error such as an ink end that requires action to continue printing has occurred. Remove the cause of the error, clear the alarm and restart printing. ∗ Printing resumes from where it left off.
2, 3	The print is canceled.	An error such as a jam that cannot continue printing has occurred. Remove the cause of the error, clear the alarm, select the job again, and start printing. ∗ Printing starts from the beginning of the selected job again.

> **When an error occurs, check the error code contents in the error list and perform the specified action.**
> **If the situation does not improve after implementing the measures, contact your dealer, our sales office, or call center.**

How to clear the alarm

When an error occurs, take action according to the error level, and then clear the alarm from the alarm details screen.

Tap the [CLEAR ALARM] button.

Tap the [CLEAR ALARM] button

The processing screen is displayed until the alarm clear is completed. -> Completed
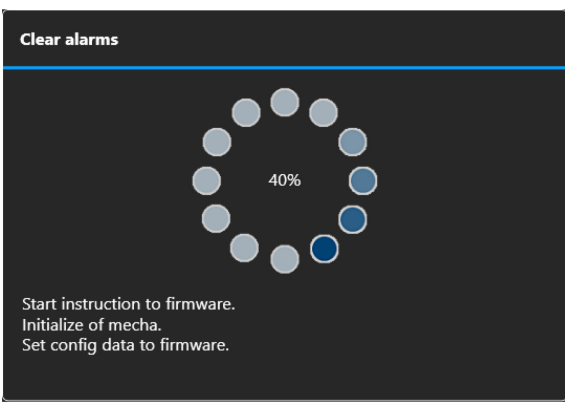
<CLEAR ALARM> dialog

If the alarm clear is successful, the <CLEAR ALARM> dialog closes and the alarm information displayed on the alarm details screen is cleared.
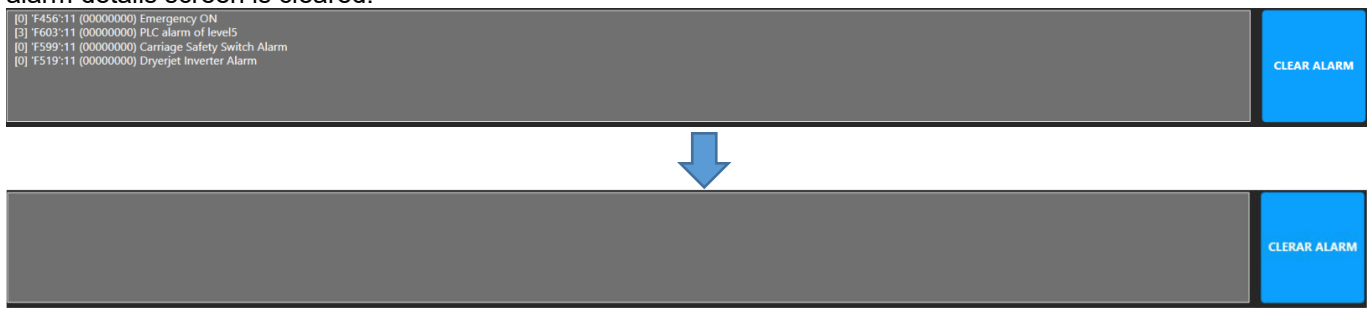
> ⚠ **If an incorrect or inadequate action is taken, the alarm cannot be cleared and the alarm may be displayed again. In such a case, take the action according to the error description again.**

> ⚠ **If operation of the machine is unstable even after clearing the alarm, reset the machine from the [SYSTEM] – [POWER] – [Reset machine] menu.**

Cleaning

This section explains about [Head cleaning](#).

∗ Auto cleaning setting during standby or printing is performed from the [SETTING] menu.

Cleaning at any time

It is performed when the nozzle check result in the test print is bad or when a nozzle clogging is found during printing.

> 💡 **When cleaning can be performed**
> **1) When the printer is in idle**
> **2) During printing * Can be executed without pausing operation.**

> ❗ **Regardless of the timing, the system automatically performs cleaning while waiting and printing at regular intervals.**

Step 1: Open the cleaning execution screen.

(1) Open from the QUICK MENU.
From the quick menu, select [Cleaning].
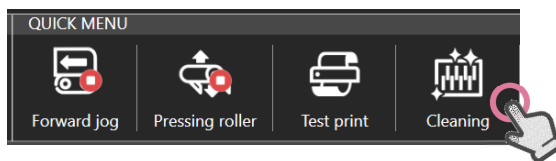
(2) Or open from the MAINTENANCE MENU.
Select [Cleaning] from the [Cleaning] in the Maintenance list.

The cleaning execution screen is displayed by the above operation (1) or (2).
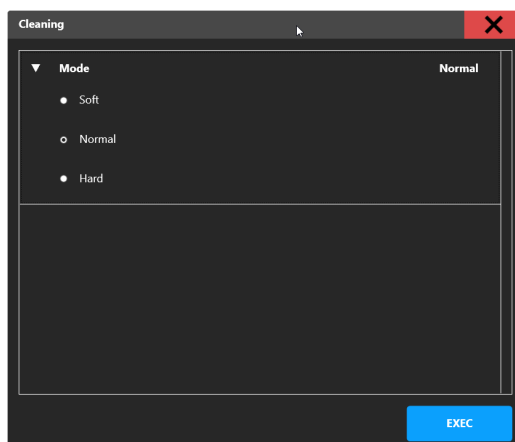
Step 2: Select the Cleaning Mode.

Select a cleaning mode from the Mode selection field on the cleaning execution screen.
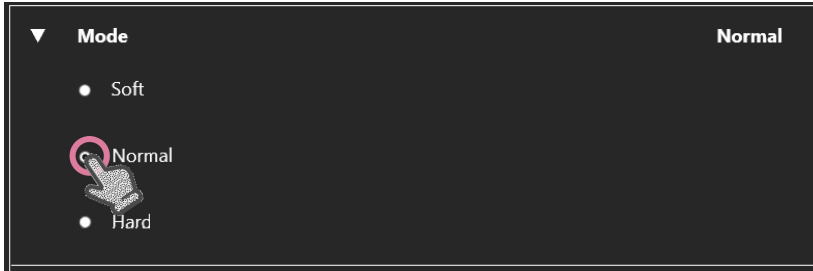
Main application of each cleaning mode

	Mode	Application	Time required
1	Soft	When refreshing the nozzle surface, such as before printing	about 50 seconds
2	Normal	When multiple nozzles are clogging	about 1 min.
3	Hard	If nozzle clogging is not recovered by normal cleaning, there is a lot of nozzle cloggings or when filling the head	About 1 minute 30 seconds

Step 3: Perform the cleaning.

Execute cleaning from the execution button in the cleaning execution screen.
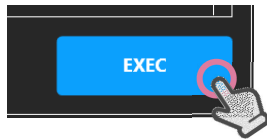
Cleaning starts and the cleaning screen appears.
When cleaning is completed, the cleaning screen disappears.

Auto maintenance setting

By using Auto maintenance, cleaning is automatically performed during printing or idling, and the nozzle condition is maintained or improved.

> **The cycle starts when Auto maintenance is set.**
> *** If cleaning is performed at any time, the cycle will be restarted.**

Recommended settings

The following is the recommended setting for ensuring ejection stability.

Ink type	Printing		Idling		
	Mode	Interval Print time [min]	Mode	Flushing Times	Time [min]
MLRc500	Normal	30	Normal	3	30
MLSb510	Normal	30	Normal	3	30
MLSb520	Normal	30	Normal	3	30

∗ The Auto maintenance setting during printing can be set according to the distance, but the timing is different depending on the printing mode.

Auto maintenance setting screen display

Select [Auto maintenance] - [Cleaning (Print)] or [Cleaning (Idle)] in the MAINTENANCE MENU to display the setting screen.

Auto maintenance setting

Auto maintenance setting in idle

Cleaning (Idle)	✕
▼ Cleaning (Idle)	ON
▼ Interval(time)	30 min
▼ Mode	Normal
▼ Flushing	ON
▼ Flushing count	3
	SET
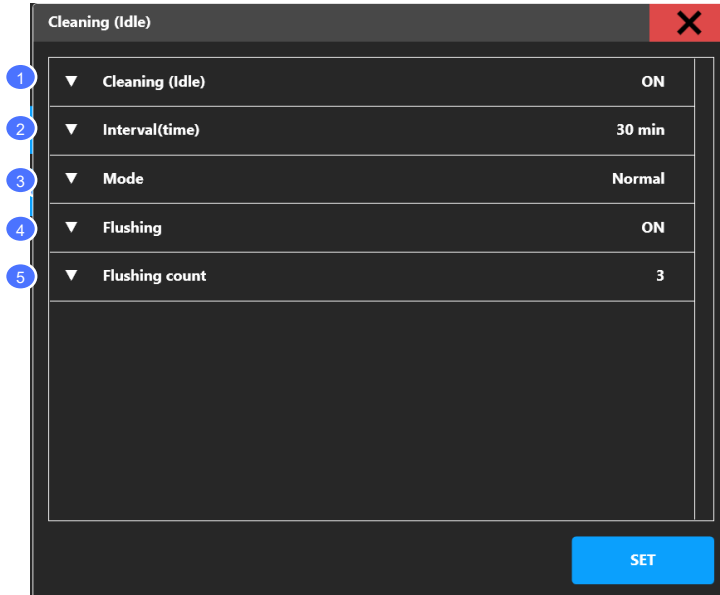
(1) Auto maintenance in idle On / Off
(2) Time cycle (min)
(3) Cleaning mode (Soft, Normal, Hard)
(4) Flushing between cleanings On / Off
(5) Flushing count when (4) is set

Setting example) Time: 30 minutes, Flushing: On, Flushing frequency: 3 times
After setting, flushing is performed every 30 minutes, and cleaning is performed 2 hours after setting.

Flushing   Flushing

Offline   Cleaning

30min   30min   30min   30min   30min

Auto maintenance setting during printing

Cleaning (Print)	✕
▼ Cleaning (Print)	ON
▼ Interval Type	Time
▼ Interval (Distance)	0 m
▼ Interval (Time)	30 min
▼ Mode	Normal
	SET
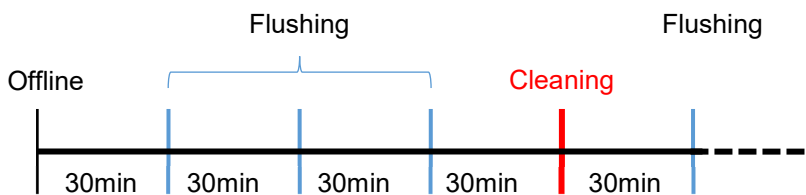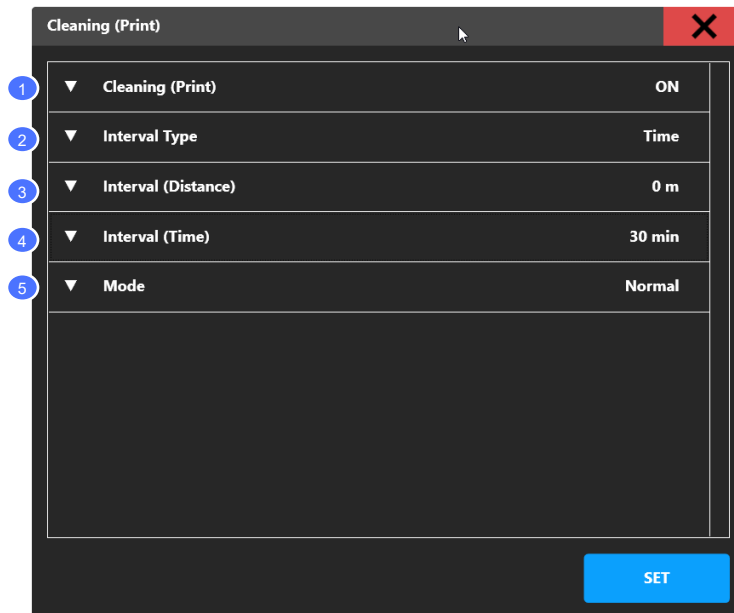
(1) Auto maintenance during printing On / Off
(2) Select the cycle type of the print distance / print time
(3) Print length (m) when selecting the print length in (2)
(4) Time cycle (min) when print time is selected in (2)
(5) Cleaning mode (Soft, Normal, Hard)

MAINTENANCE

This section describes maintenance methods such as Cleaning operation and head cleaning.
∗ Auto cleaning setting in idle or print is performed from the [SETTING] menu.

Description of maintenance content ⚒

Maintenance operations are performed from the maintenance menu.

Maintenance content screen configuration

Select and execute a maintenance item from [Maintenance list].
When selecting Maintenance list, the set values of each maintenance item are displayed in the Maintenance settings list.
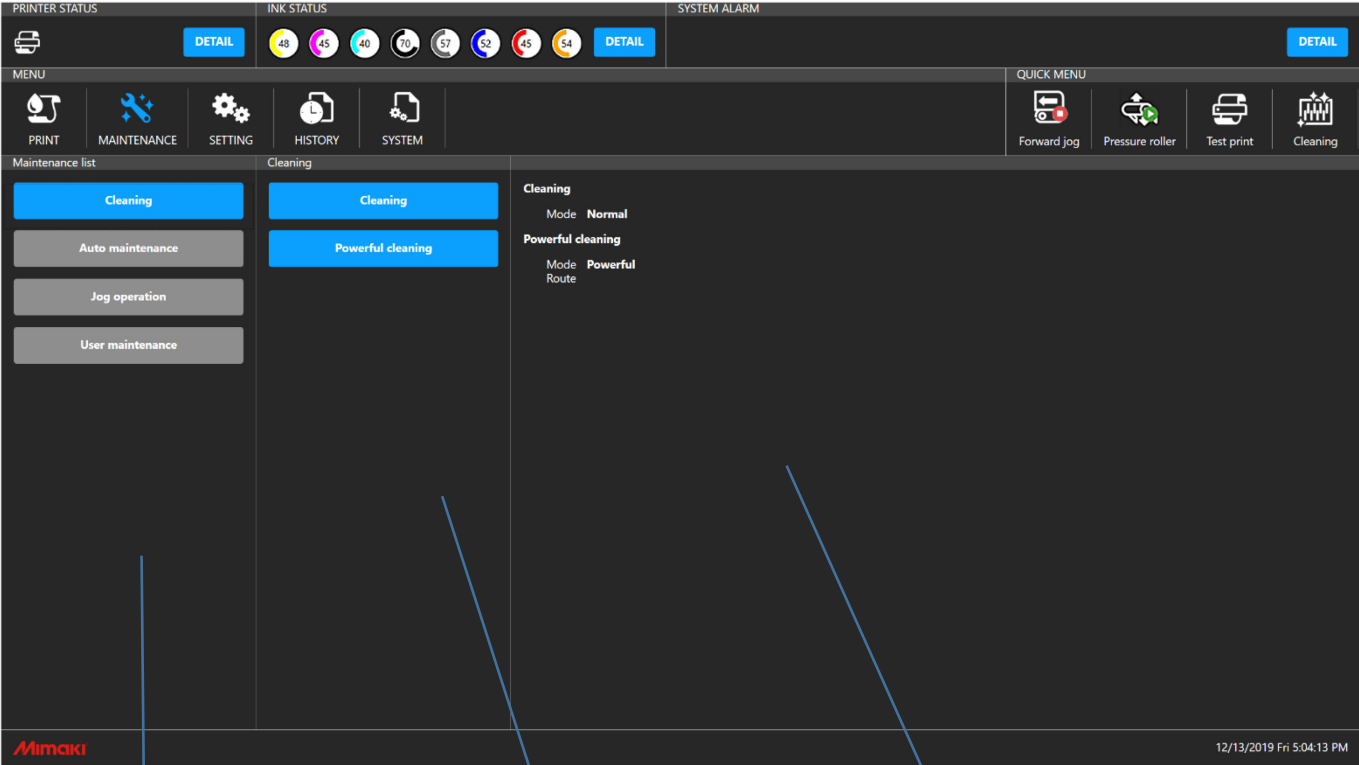
Maintenance procedure - Example) Carriage operation

The procedure is explained using the carriage operation as an example.

Step 1: Select maintenance item.

Select [⚙ MAINTENANCE] MENU – [User maintenance] – [Carriage operation] to display the <Carriage operation> dialog.
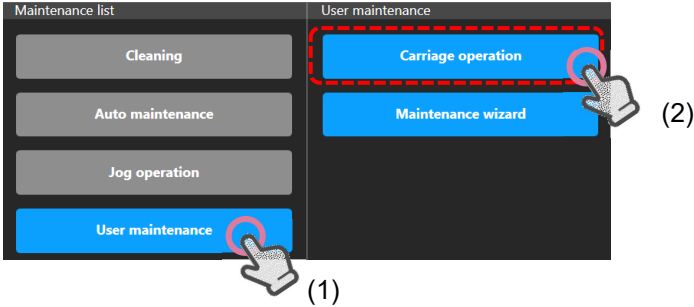
Step 2: Perform the carriage operation.

Tap the operation button in the <Carriage operation> dialog to execute the carriage operation.
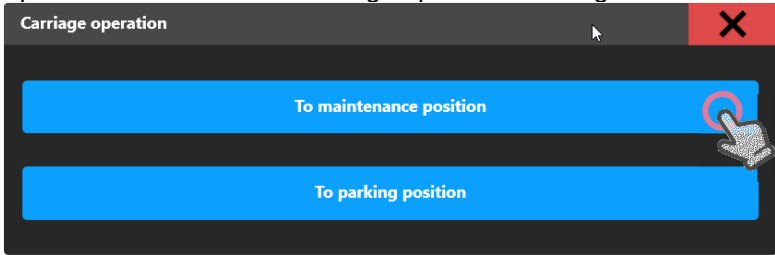
* Dialog structure varies depending on the menu.

SETTING

This section explains Settings related to print quality and auto maintenance, peripheral device operating conditions and mechanical operation and others that can be set by the user.

Description of the setting content ⚙

Setting operations are performed from the SETTING MENU.

Description of the setting content screen

Select the item to be set from the [Print] item in Config list field.
When an item in the Config list field is selected, the set values of each set item are displayed in the set item content list.
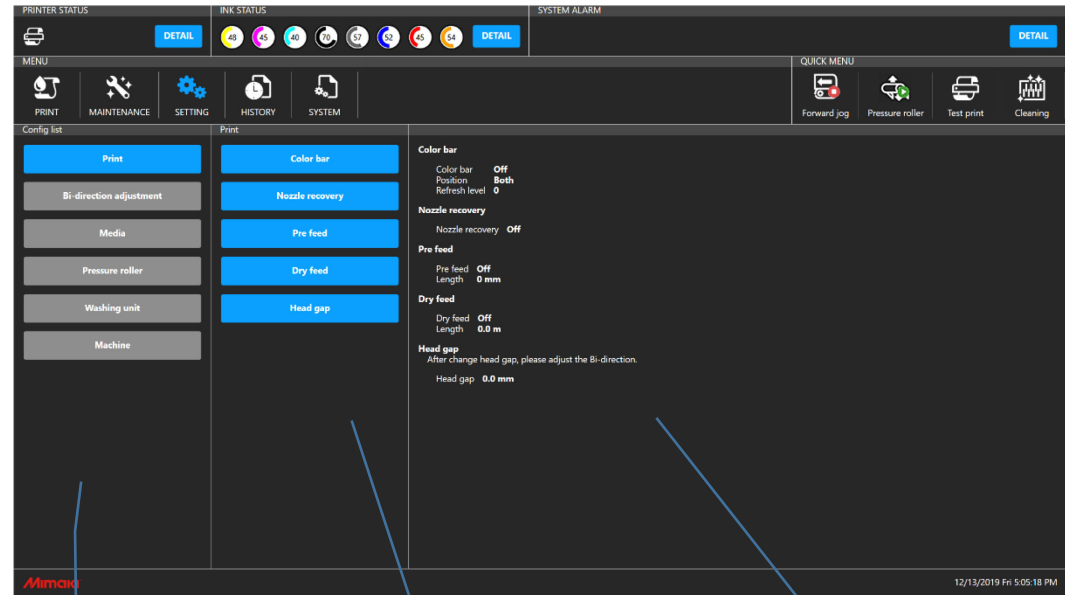
Example of setting procedure - Color bar

An example of color bar settings is shown below.

Step 1: Select setting item.

Select [⚙ SETTING] MENU - [Print] - [Color bar] to display the <Color bar setting> dialog.

(1)   (2)
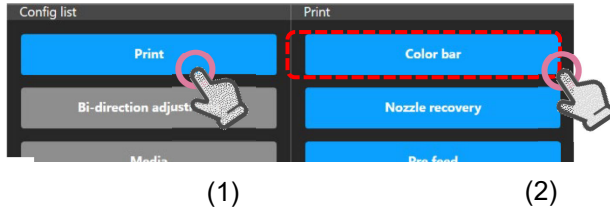
Step 2: Enter the set value.

Enter or select a value for each item in the Setting dialog.

<Setting> dialog

Step 3: Confirm the settings

Tap the [Setting] button to confirm the settings. Close <Setting> dialog after setting is completed, and the setting is reflected in the Setting item list.
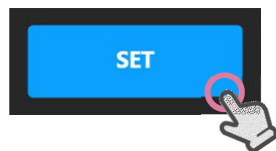
Feature description

This chapter describes the operations using the touch panel.
For the mouse operations, refer to the above table and replace touch panel operations with mouse operations.

STATUS bar

PRINTER STATUS

Shows printer status.
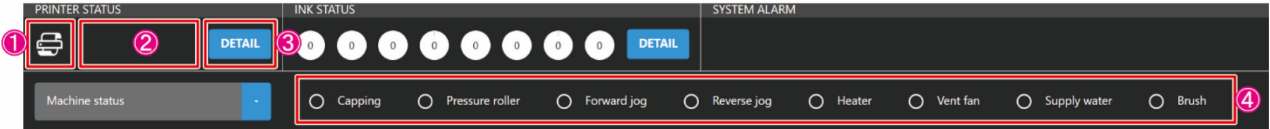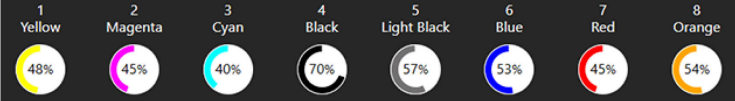
No.	Name	Icon	Description
1	Printer status icon		Initial state
			Idling
			Printing
			Paused
			Maintenance
2	Printer status explanation	-	Idling / Printing / Paused / Cleaning
3	DETAIL		Tap to display the machine status.
4	Display the machine status	Displays the status of Capping / Pressure roller / Forward jog / Reverse jog / Heater / Vent fan / Supply water / Brush.	

INK STATUS

Displays ink color and ink remaining for each ink slot in graph and percentage (%). When the ink level is low, an icon is displayed at the bottom right of each ink.
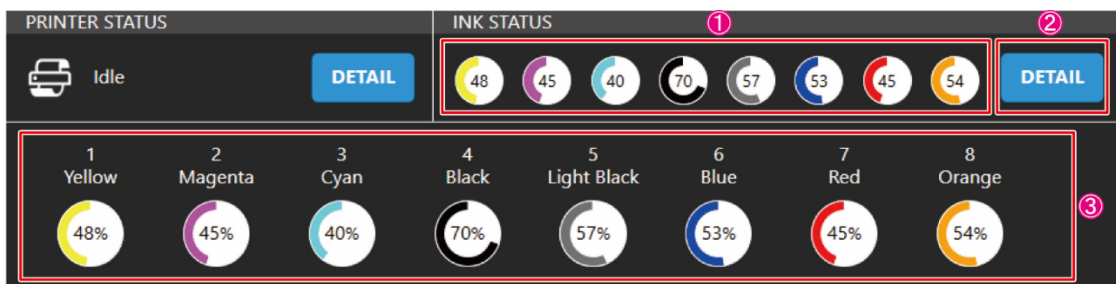
No.	Name	Icon	Description
1	INK STATUS		Normal display (Remaining ink level: 26% ~ 100%)
		: Display icon at the bottom right	Ink near end (Remaining ink level: 21% ~ 25%)
		: Display icon at the bottom right	Ink end (Remaining ink level: 0% ~ 20%)
2	DETAIL		Tap to display information for each ink.
3	Detailed ink information display	 For each ink, the No., color name and remaining ink are displayed.	

SYSTEM ALARM

Alarm information is displayed when an error occurs in the machine.
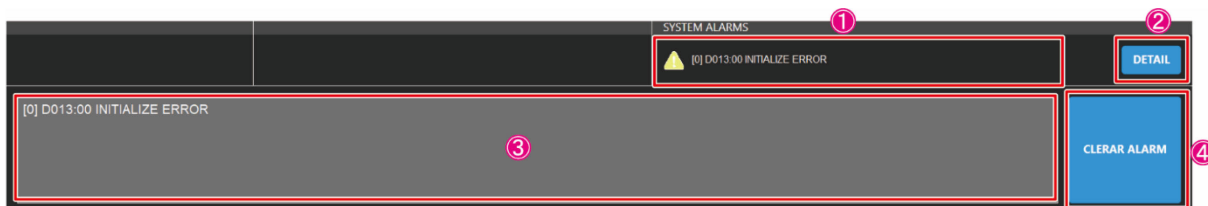
No.	Name	Icon	Description
1	Alarm information	⚠️ : Yellow	Information (Error level: 0)
		⚠️ : Orange	System warning (error level: 1) The print is paused.
		⚠️ : Red	Error (error level: 2 or 3) The print is canceled. Includes a critical condition.
2	[DETAIL] button	DETAIL	The details of the alarm are displayed. [2] C107 : 03 (___4_1)MDL Error 1 2 3 4 1: Level: Error level (0 ~ 3) 2: Code: Error code 3: Unit: Error unit number 4: Contents: Error details
3	Alarm details	—	The details of the alarm are displayed.
4	[CLEAR ALARM] button	CLEAR ALARM	Clear the alarm.

MENU

Menus are organized by function, and the function items of the selected menu are displayed in the content area.
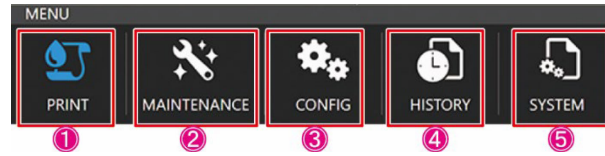
No.	Name	Icon	Description	Reference
1	PRINT		Perform the job management and print operations.	P. 41
2	MAINTENANCE		Perform printer maintenance. Perform operations related to each maintenance.	P. 46
3	SETTING		Make various printer settings.	P. 49
4	HISTORY		Display the history of each operation.	P. 54
5	SYSTEM		Displays the system information and system configuration.	P. 55

Menu configuration list

MENU			Reference
PRINT			P. 41
MAINTENANCE	Cleaning	Cleaning	P. 46
		Powerful cleaning	
	Auto maintenance	Cleaning (Idle)	P. 47
		Cleaning (Print)	
	Jog operation	Forward jog	P. 48
		Reverse jog	
		Jog speed	
	User maintenance	Carriage operation	P. 48
		Wizard	
SETTING	Print	Color bar	P. 49
		Nozzle recovery	
		Pre feed	
		Dry feed	
		Head gap	

MENU			Reference
SETTING	Bi-directional adjustment	Bi-direction adjustment value	P. 50
		└600Std pattern	
		└600Hi pattern	
		└1200Std pattern	
		└1200Hi pattern	
	Media	Media setting	P. 51
	Pressure roller	Auto setting	P. 51
		Pressure roller	
	Washing unit	Auto setting	P. 52
		Washing tank	
		Washing brush	
		Wash water supply	
	Machine	Obstacle sensor	P. 53
		Winder-Unwinder	
		Belt heater	
		Vent fan	
		Light On/Off	
HISTORY	Print		P. 54
	Maintenance		
	Alarm		
	Controller		
SYSTEM	System config	Language	P. 55
	Information	HDD capacity	P. 55
		Version	
		License	
	Document	Operation guide	P. 56
		Alarm list	
	Maintenance mode	Maintenance mode	P. 56
	Power	System reconfiguration	P. 57
		Reset machine	
		Reboot PC	
		Shutdown PC	
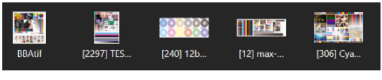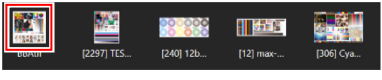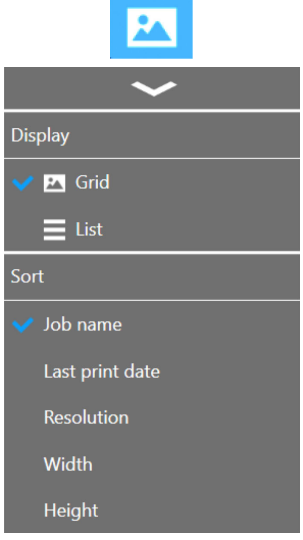
[PRINT] MENU

Perform the job management and printing operations.

[JOB LIST] tab
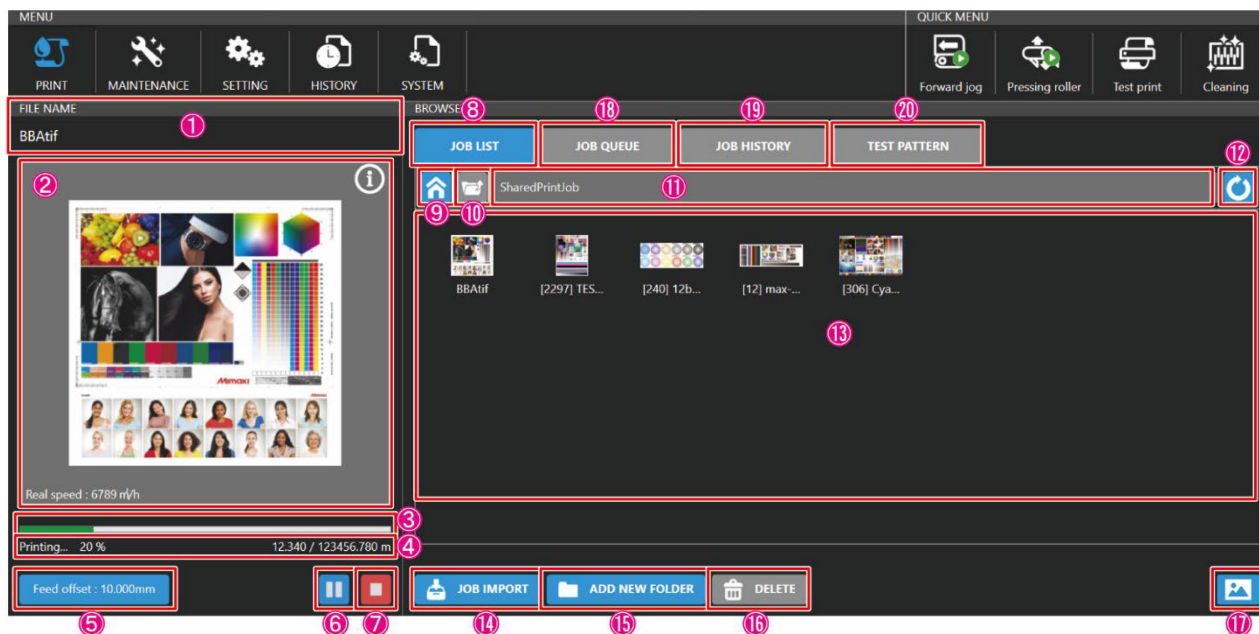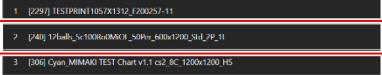
No.	Name	Icon	Description
1	Job name display	FILE NAME BBAtif	Displays the name of the job being printed.
2	Job thumbnail display		Displays the job thumbnail.
3	Print progress display	Printing... 20 % 12.340 / 123456.780 m	Displays the print progress.
4	Print status display	Printing... 20 % 12.340 / 123456.780 m	Shows print status. - Stopping - Preparing to print ... - Printing ... - Pausing
5	Feed offset value	Feed offset : 10.000mm	<Feed offset setting> dialog is displayed.
6	Pause printing		Pauses printing.
6	Resume printing		Resume printing.
7	Cancel printing		Cancel printing.
8	JOB LIST tab	JOB LIST	Shows Job list.

No.	Name	Icon	Description
9	To the home folder		Shows the home folder.
10	Go up one folder level		Displays the folder one level above.
11	Current folder name display	JobFolder	Tap to display the name of the folder that is currently open.
12	Update folder		The currently folder is updated.
13	Job thumbnail display		Data in the currently folder is displayed as a thumbnail.
	Job selection		Tap the job to display the <Print condition selection> dialog.
14	Job import	JOB IMPORT	The <JOB IMPORT> dialog is displayed.
15	Add new folder	ADD NEW FOLDER	The <ADD NEW FOLDER> dialog is displayed.
16	Deleting a job	DELETE	Press and hold the job you want to delete and tap [DELETE] to delete the job.

17	Display, sort menu	Display
		✓ Grid
		☰ List
		Sort
		✓ Job name
		Last print date
		Resolution
		Width
		Height
			Tap the icon to display the [Display] menu and the [Sort] menu.
			
			- [Display] menu
			  (1) Grid: Simple thumbnail display
			  (2) List: Detailed list display
			
			- [Sort] menu
			  (1) Job name
			  (2) Last print date
			  (3) Resolution
			  (4) Width
			  (5) Height

18	JOB QUEUE tab	JOB QUEUE	Displays a list of jobs waiting to be printed. [JOB QUEUE] tab (p.43)
19	JOB HISTORY tab	JOB HISTORY	Displays a list of printed jobs. [JOB HISTORY] tab (p.44)
20	TEST PATTERN tab	TEST PATTERN	Displays a list of jobs for the test pattern. [TEST PATTERN] tab (p.45)

[JOB QUEUE] tab
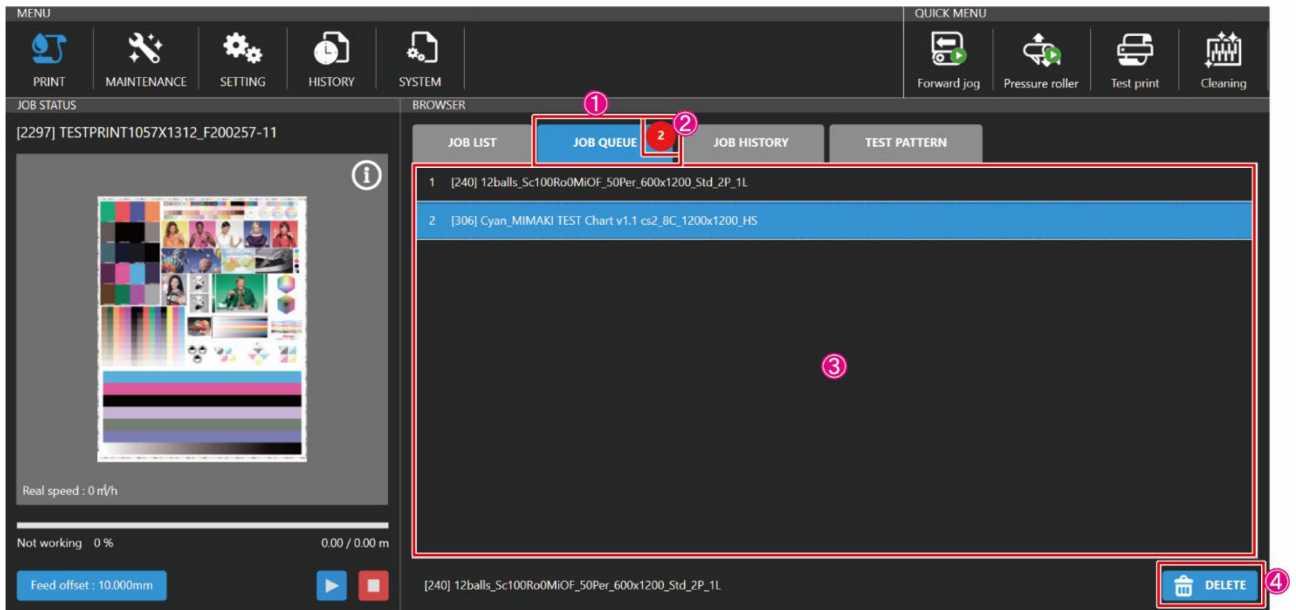
No.	Name	Icon	Description
1	JOB QUEUE tab	JOB QUEUE	Displays a list of jobs waiting to be printed.
2	Number of waiting jobs	2	The number of jobs waiting to be printed is displayed.
3	Queuing job selection		Tap the job to display the <Print condition selection> dialog.
4	Deleting a job	DELETE	Press and hold the job you want to delete and tap [DELETE] to delete the job.

[JOB HISTORY] tab
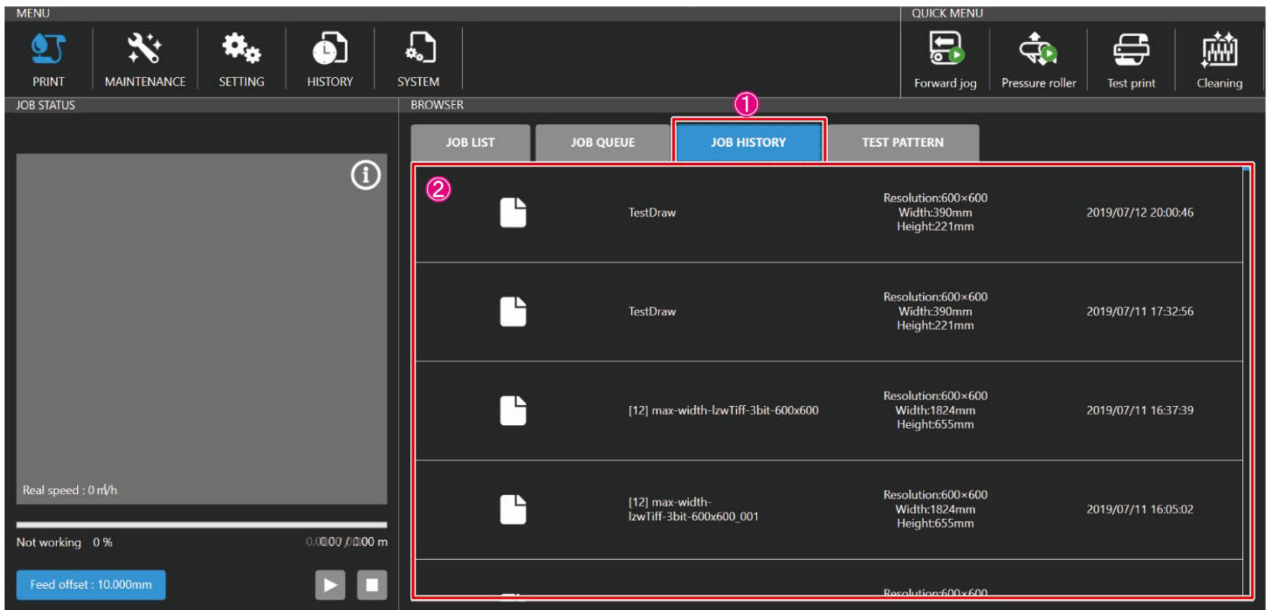
No.	Name	Icon	Description
1	JOB HISTORY tab	JOB HISTORY	Displays a list of printed jobs.
2	Job selection		Tap the job to display the <Print condition selection> dialog and you can reprint.

[TEST PATTERN] tab

No.	Name	Icon	Description
1	TEST PATTERN tab	TEST PATTERN	Displays a list of jobs for the test pattern.
2	To home folder	(home icon)	Shows the home folder.
3	Go up one folder level	(folder up icon)	Displays the folder one level above.
4	Current folder name display	JobFolder	Tap to display the name of the folder that is currently open.
5	Update folder	(refresh icon)	The currently folder is updated.
6	Job thumbnail display	BBA.tif [2297] TES... [240] 12b... [12] max-... [306] Cya...	Data in the currently folder is displayed as a thumbnail.

7	Display, sort menu	(image icon)
		Display
		✓ Grid
		☰ List
		Sort
		✓ Job name
		Last print date
		Resolution
		Width
		Height
			Tap the icon to display the [Display] menu and the [Sort] menu.
			
			- [Display] menu
			  (1) Grid: Simple thumbnail display
			  (2) List: Detailed list display
			
			- [Sort] menu
			  (1) Job name
			  (2) Last print date
			  (3) Resolution
			  (4) Width
			  (5) Height

[MAINTENANCE] MENU

Perform maintenance and maintenance settings.

[Cleaning]
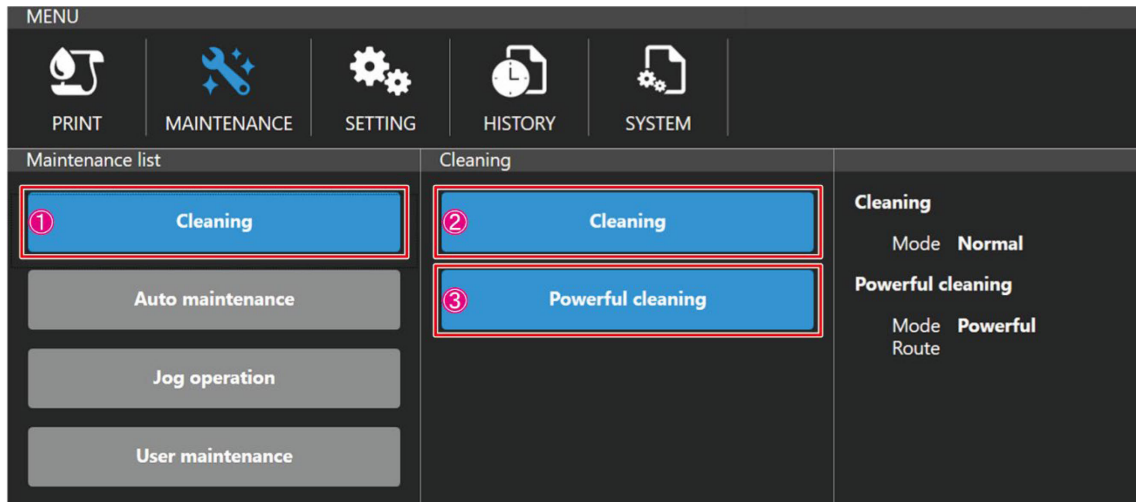
No.	Name		Description	initial value:	Recommended value
1	Cleaning		The [Cleaning] and [Powerful Cleaning] menus are displayed.	-	-
2		Cleaning	Select the Cleaning Mode (Soft / Normal / Hard) and perform.	Normal	Normal
3		Powerful cleaning	Perform powerful cleaning.	-	-
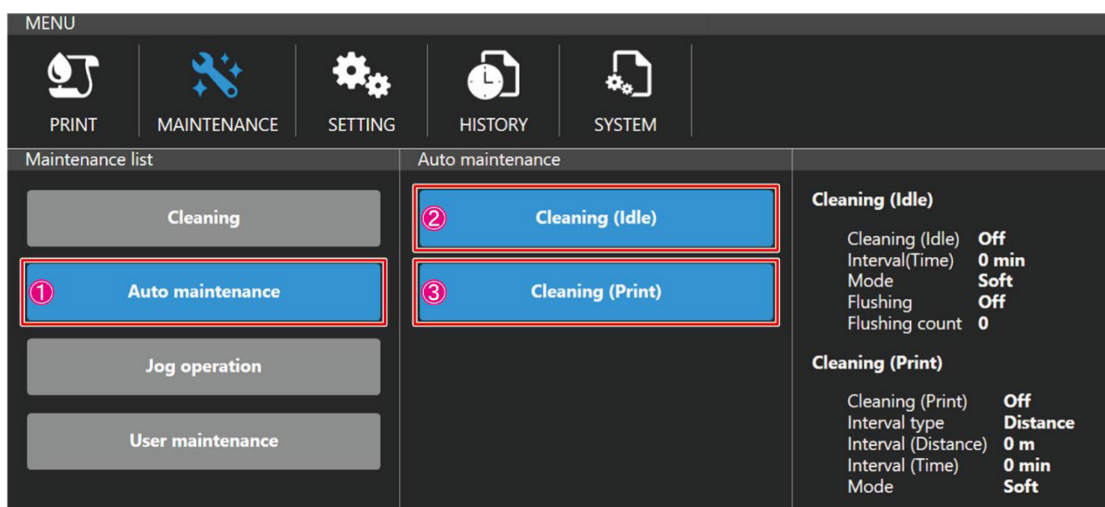
[Auto maintenance]

No.	Name		Description	initial value:	Recommended value
1	Auto maintenance		The [Cleaning (Idle)] and [Cleaning (Print)] menus are displayed.	-	-
2	Cleaning (Idle)		The following items can be set.	-	-
			- Idle cleaning On / Off	On	On
			- Execution interval (hours)	30	30
			- Mode (Soft / Normal / Hard)	Normal	Normal
			- Flushing On / Off	On	On
			- Number of flushes	3	3
3	Cleaning (Print)		The following items can be set.	-	-
			- Cleaning in print On / Off	On	On
			- Interval type: Distance/Time	Hour	Hour
			- Interval (Distance)	100	100
			- Interval (Time)	30	30
			- Mode (Soft / Normal / Hard)	Normal	Normal

[Jog operation]
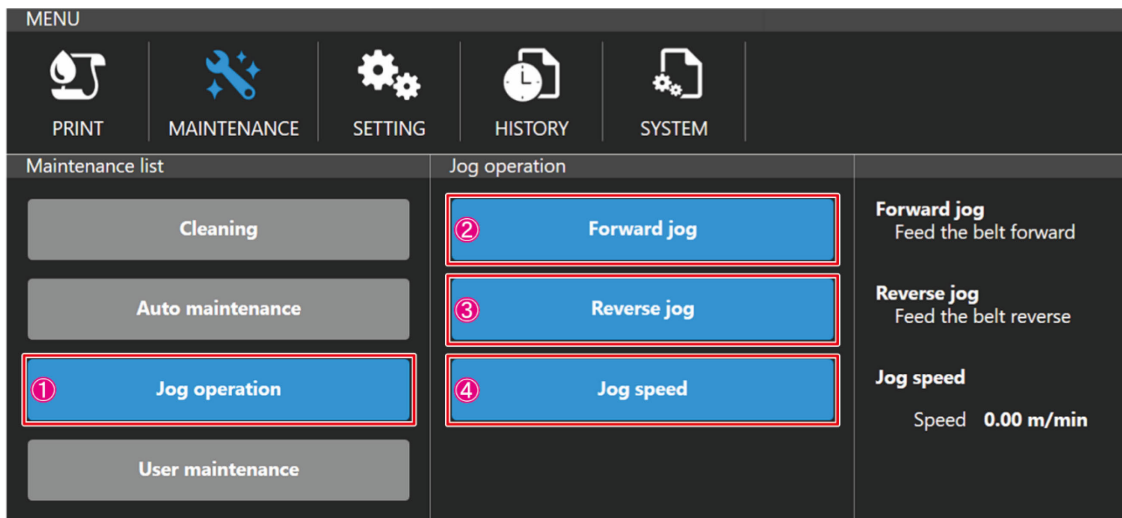
No.	Name		Description	initial value:	Recommended value
1	Jog operation		The [Forward jog], [Reverse jog], [Jog speed] menu will be displayed.	-	-
2		Forward jog	Operate Forward jog with [Start], [Stop] buttons.	-	-
3		Reverse jog	Operate Reverse jog with [Start], [Stop] buttons.	-	-
4		Jog speed	Set the feed speed (0.01 to 5.00 m / min).	2.0	2.0

[User maintenance]
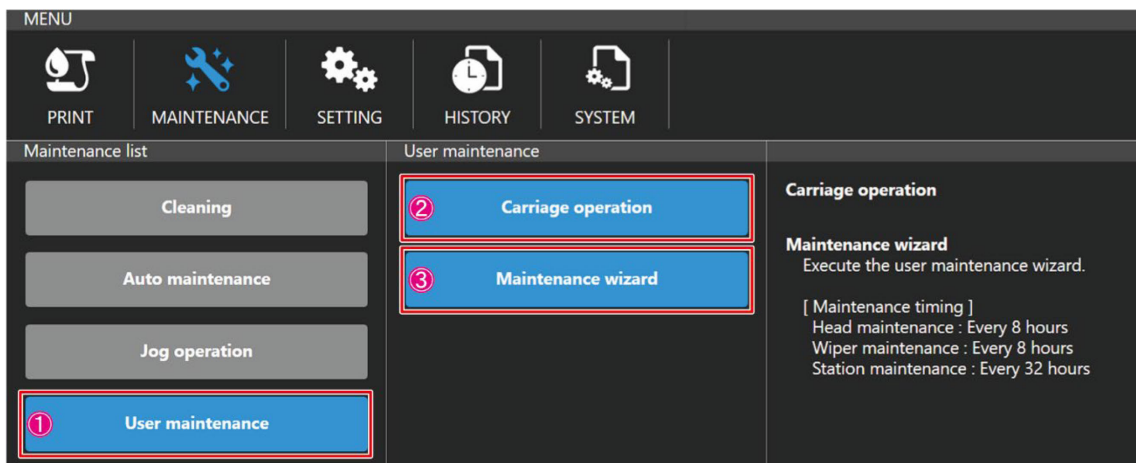
No.	Name		Description
1	User maintenance		The [Carriage operation] and [Maintenance wizard] menus are displayed.
2		Carriage operation	Move the carriage to [Maintenance position] or [Parking position].
3		Maintenance wizard	Follow the instructions on the screen to perform head maintenance, wiper maintenance, and station maintenance.

[SETTING] MENU

Make various settings.

[Print]
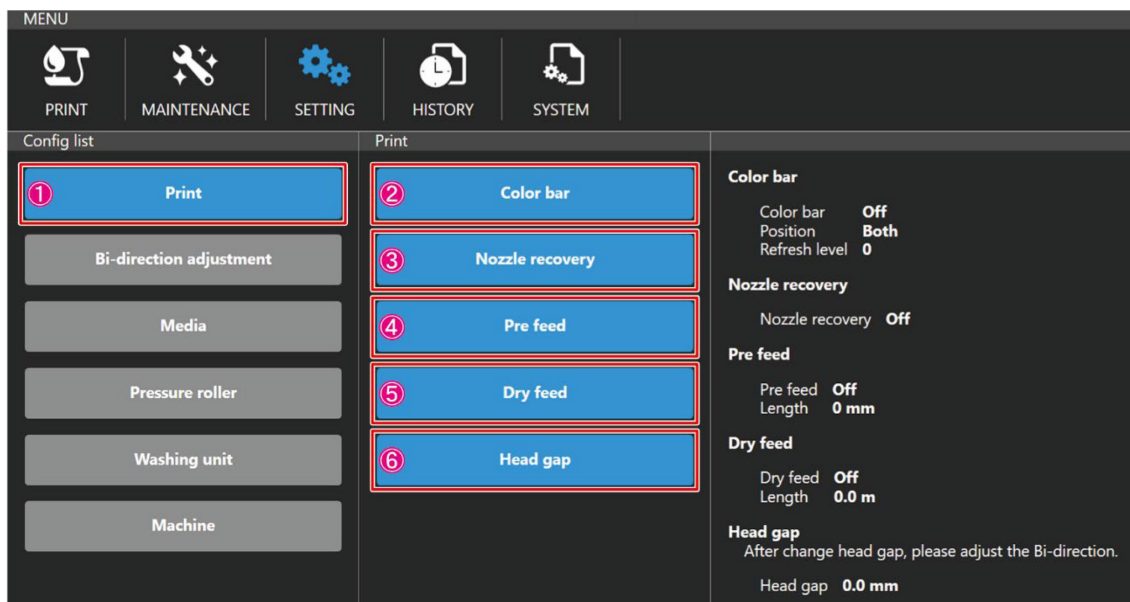
No.	Name	Description	initial value:	Recommended value
1	Print	The [Color bar], [Nozzle recovery], [Pre feed], [Dry feed], and [Head gap] menus are displayed.	-	-
2	Color bar	The following items can be set.	-	-
		- Color bar On / Off	On	On
		- Color bar position (both ends / left)	Both	Both
		- Color bar refresh level (0-3)	3	3
3	Nozzle recovery	Set nozzle recovery On / Off.	Off	Off
4	Pre feed	The following items can be set.	-	-
		- Pre feed on / off	On	On
		Pre feed length (1 to 1000mm)	5.0	5.0
5	Dry feed	The following items can be set.	-	-
		- Dry feed on / off	Off	Off
		- Length of dry feed (0.1-10.0m)	0.1	0.1
6	Head gap	Set the head gap (0.0 to 15.0mm).	1.5	1.5

Bi-direction adjustment
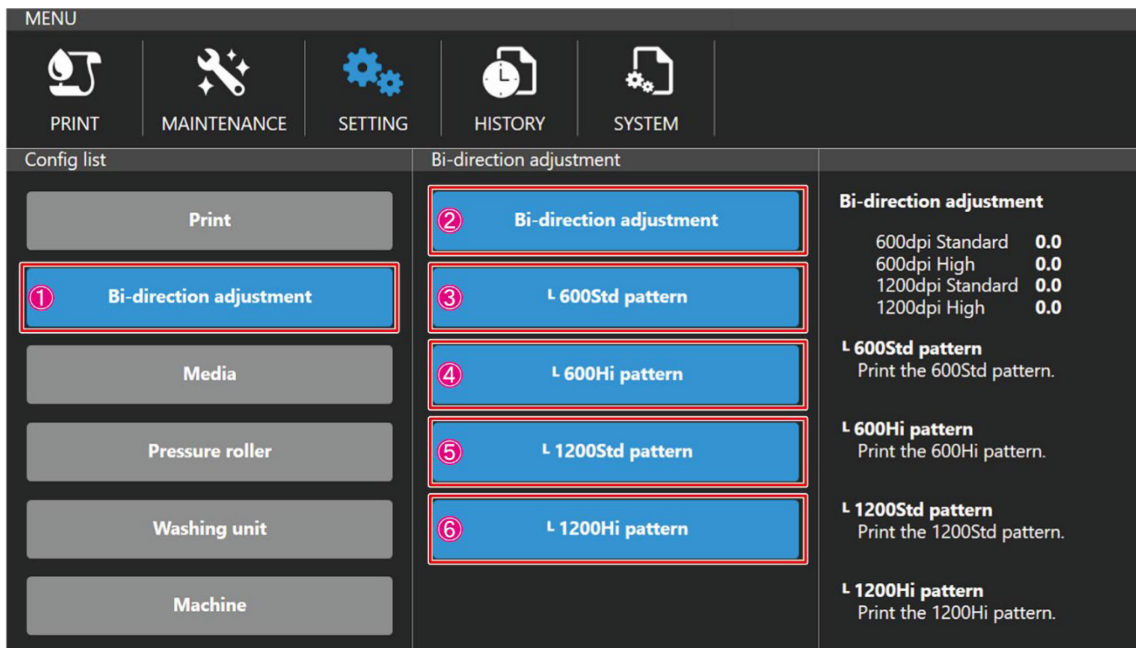
No.	Name		Description	initial value:	Recommended value
1	Bi-direction adjustment		The [Bi-direction adjustment value], [└600Std pattern], [└600Hi pattern], [└1200Std pattern], and [└1200Hi pattern] menus are displayed.	-	-
2	Bi-direction adjustment value		The following items can be set.	-	-
			- 600dpi Standard: -40.0 to 40.0	0.0	-
			- 600dpi High: -40.0 to 40.0	0.0	-
			- 1200dpi Standard: -40.0 to 40.0	0.0	-
			- 1200dpi High: -40.0 to 40.0	0.0	-
3		└ 600Std pattern	└ Print the 600Std pattern.	-	-
4		└ 600Hi pattern	└ Print the 600Hi pattern.	-	-
5		└ 1200Std pattern	└ Print the 1200Std pattern.	-	-
6		└ 1200Hi pattern	└ Print the 1200Hi pattern.	-	-

[Media]
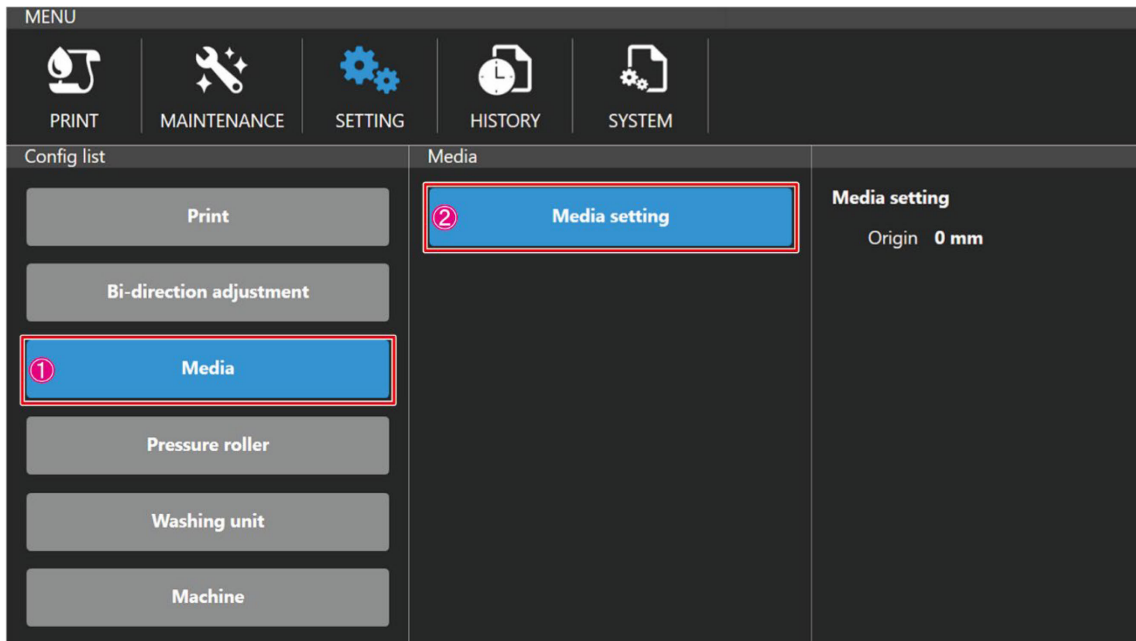
No.	Name		Description	initial value:	Recommended value
1	Media		The [Media setting] menu is displayed.	-	-
2		Media setting	Set the origin (500 to 1450mm).	500	-

[Pressure roller]
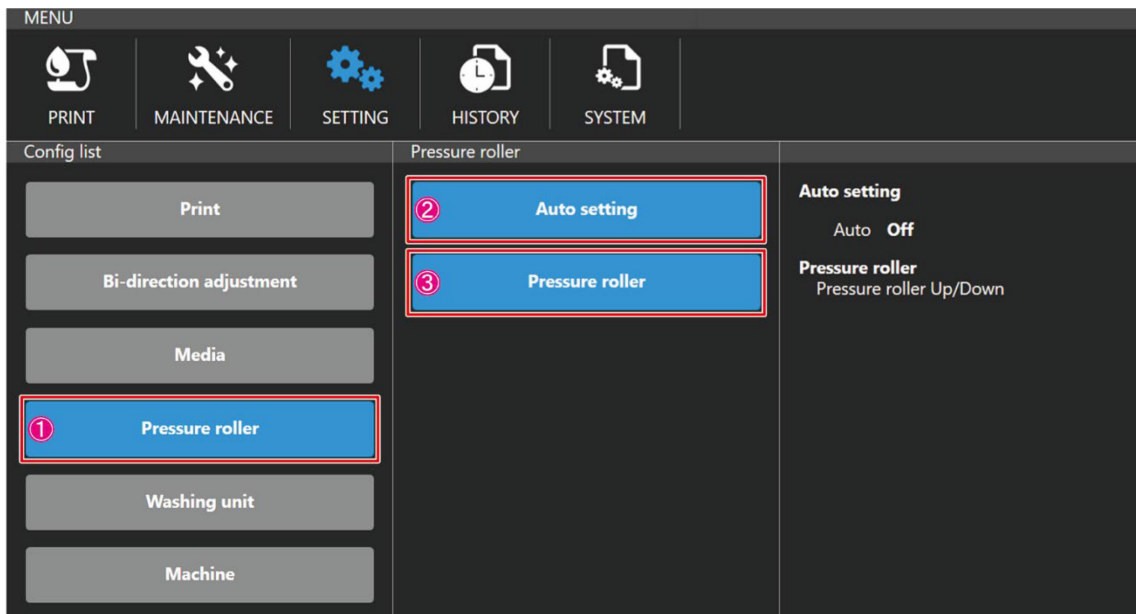
No.	Name		Description	initial value:	Recommended value
1	Pressure roller		The [Auto setting] and [Pressing roller] menus are displayed.	-	-
2		Auto setting	Set On / Off.	Off	Off
3		Pressure roller	Tap the [Up / Down] button to move the pressure roller up and down.	-	-

[Washing unit]
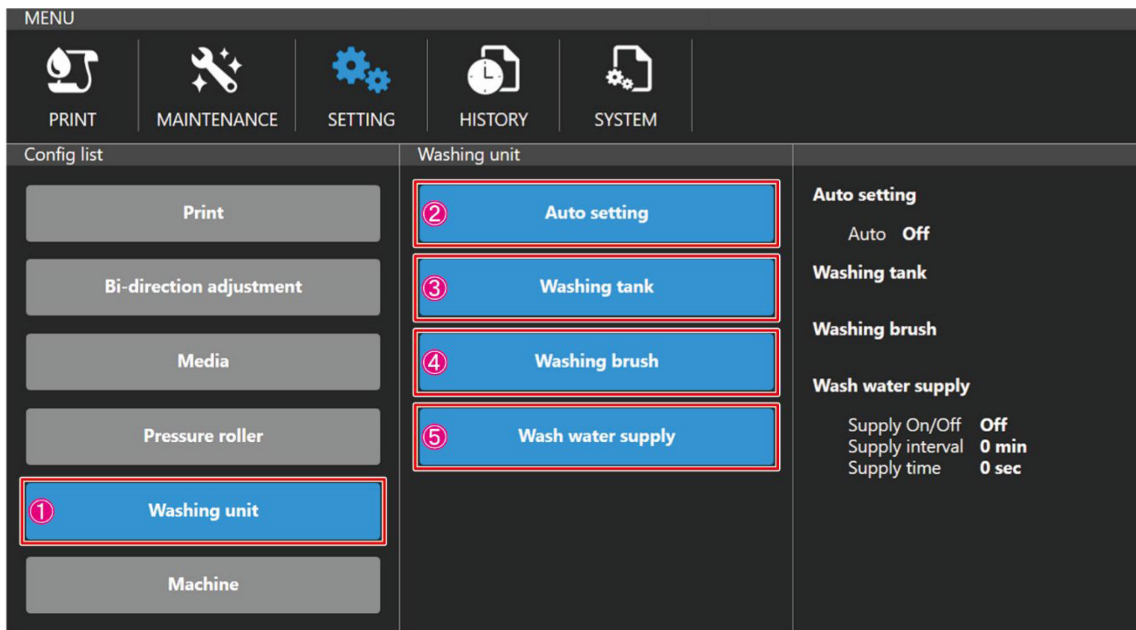
No.	Name		Description	initial value:	Recommended value
1	Washing unit		The [Auto setting], [Washing tank], [Washing brush], and [Wash water supply] menus are displayed.	-	-
2		Auto setting	Set On / Off.	On	On
3		Washing tank	Tap the [Operate] or [Stop] button to control the washing tank.	-	-
4		Washing brush	Tap the [Operate] or [Stop] button to control the washing brush.	-	-
5		Wash water supply	The following items can be set.	-	-
			- Supply On / Off	On	On
			- Supply interval (1-60 min)	30	30
			- Supply time (1-50 sec)	5	5

[Machine]
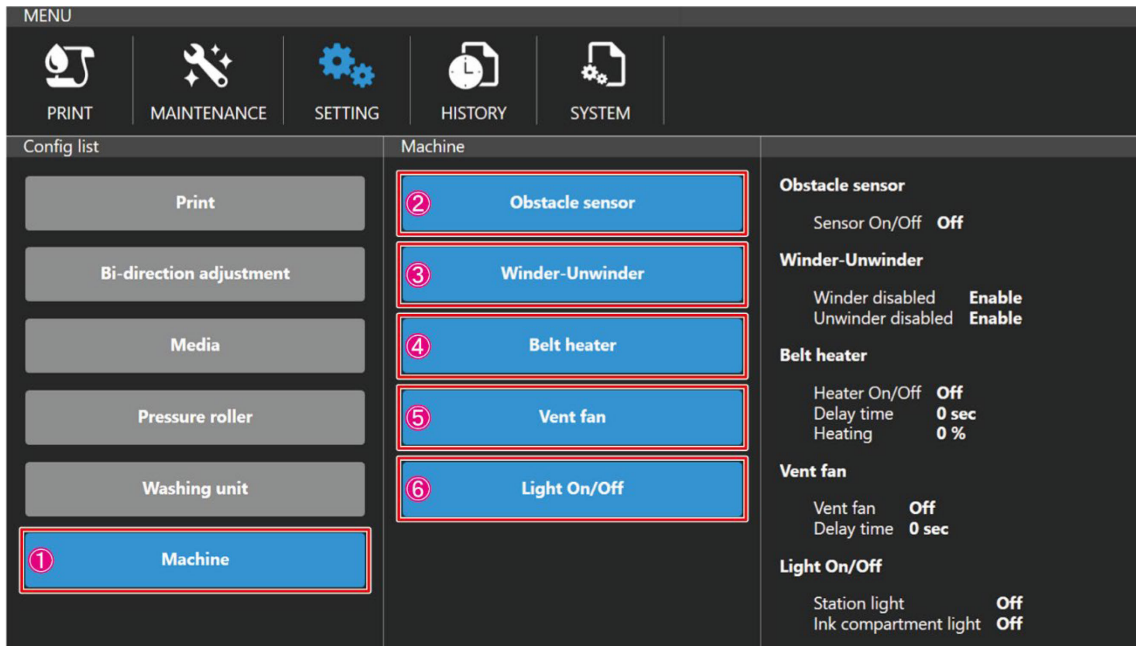
No.	Name		Description	initial value:	Recommended value
1	Machine		The [Obstacle sensor], [Winder-Unwinder], [Belt heater], [Vent Fan], and [Light On/Off] menus are displayed.	-	-
2		Obstacle sensor	Set the obstacle sensor On / Off.	On	On
3		Winder-Unwinder	Set whether to enable / disable the winder/unwinder.	-	-
			Enable / disable of [Winder disabled]	Enable	Enable
			Enable / disable of [Unwinder disabled]	Enable	Enable
4		Belt heater	The following items can be set.	-	-
			- Heater On/Off	On	On
			- Delay time (1-5 sec)	5	5
			- Heating (0～100%)	60	60
5		Vent fan	The following items can be set.	-	-
			- Vent fan On / Off	On	On
			- Delay time (1-60 sec)	5	5
6		Light On/Off	The following items can be set.	-	-
			- Station light on / off	Off	Off
			- Ink compartment light	Off	Off

[HISTORY] MENU

Perform maintenance and maintenance settings.
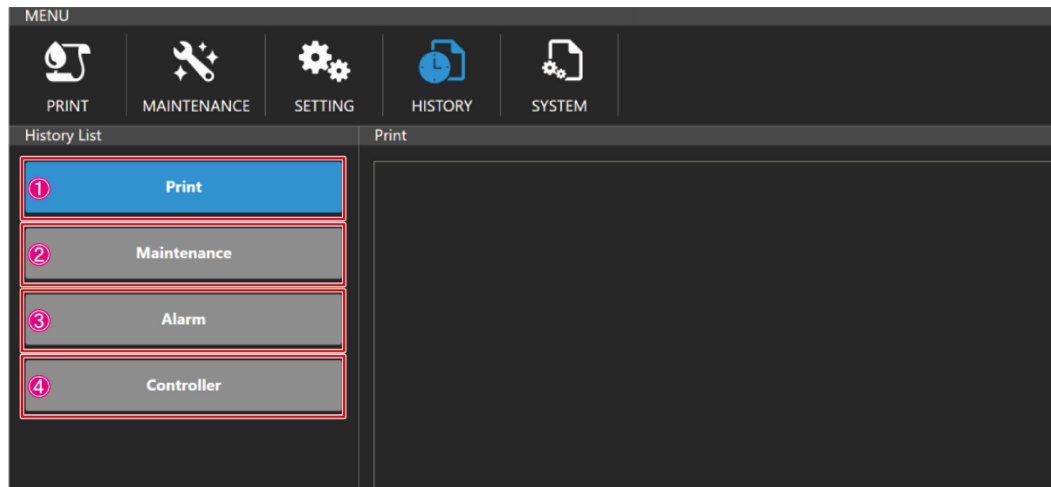
No.	Name	Description
1	Print	The print job history is displayed.
2	Maintenance	The maintenance history is displayed.
3	Alarm	The alarm history is displayed.
4	Controller	The operation history is displayed.

[SYSTEM] menu

Perform maintenance and maintenance settings.

[System config]
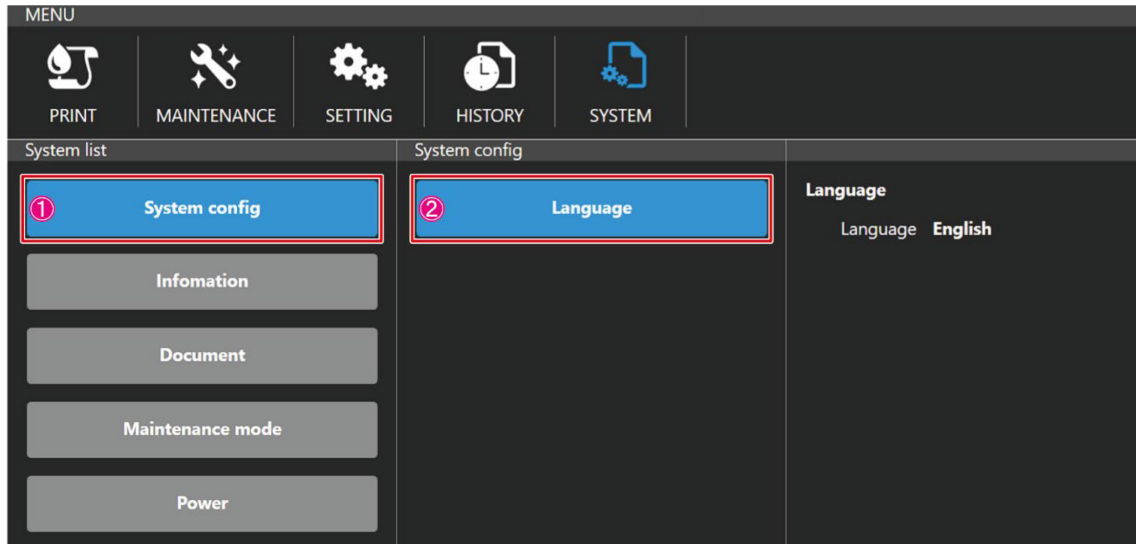
No.	Name	Description	initial value:	Recommended value
1	System config	The [Language] menu is displayed.	-	-
2	Language	Set the language (English / Japanese).	English	-

[Information]
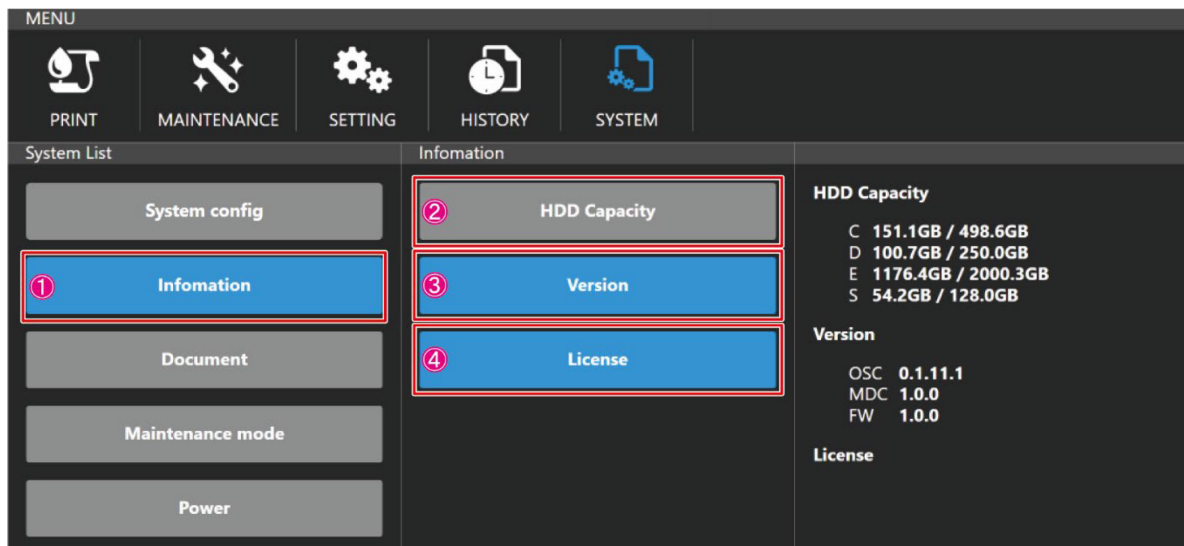
No.	Name	Description
1	Information	The [HDD capacity], [Version], and [License] menus are displayed.
2	HDD capacity	The disk capacity is displayed.
3	Version	MPC Version, MDC Version, and FW Version are displayed.
4	License	The license is displayed.

[Document]
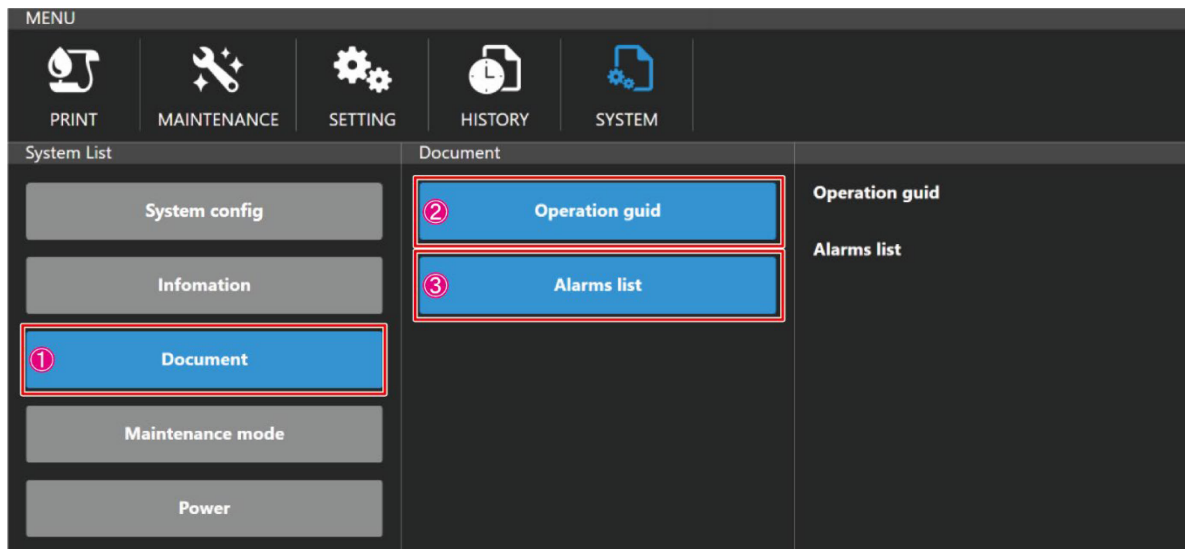
No.	Name		Description
1	Document		The [Operation Guide] and [Alarm List] menus are displayed.
2		Operation guide	The operation guide is displayed.
3		Alarm list	The alarm list is displayed.

[Maintenance mode]

This is a menu for service purpose. It can not be used.
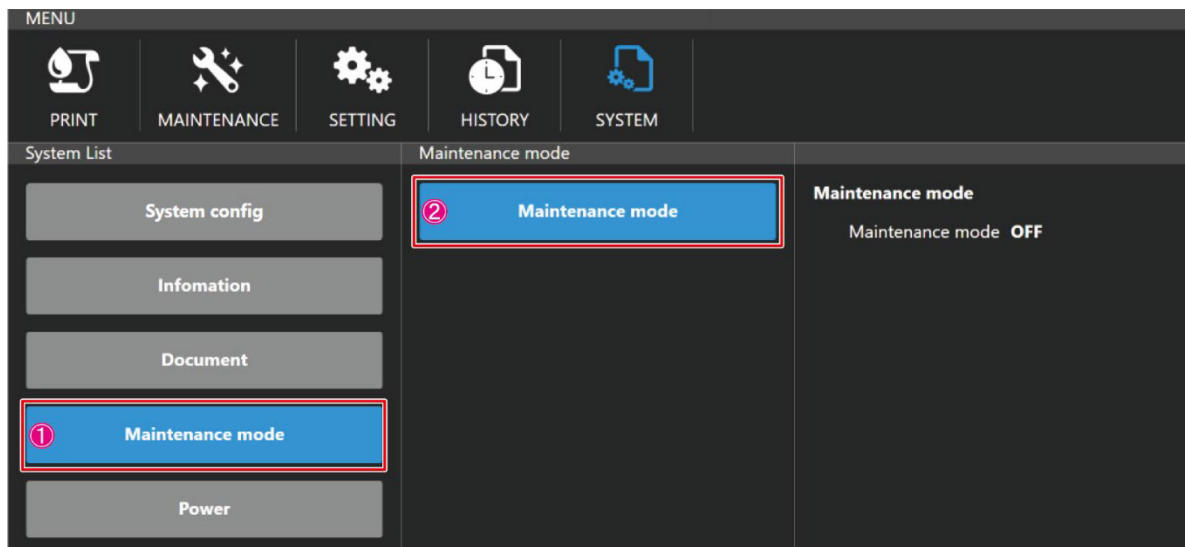
[Power]
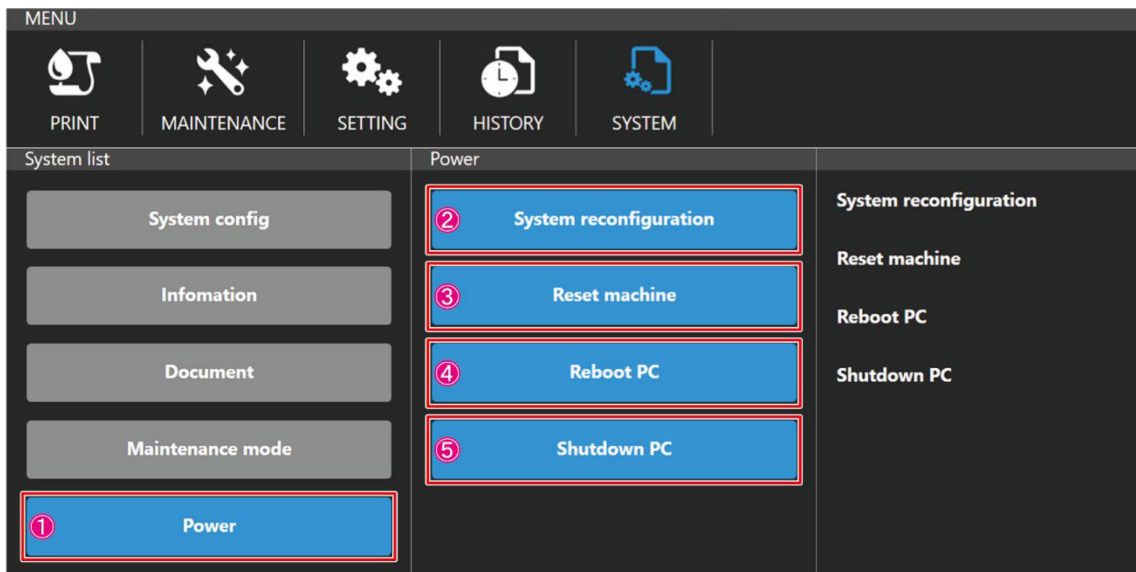
No.	Name		Description
1	Power		The [System reconfiguration], [Reset machine], [Reboot PC], and [Shutdown PC] menus are displayed.
2		System reconfiguration	A confirmation dialog for system reconfiguration is displayed. Tap [OK] to reinitialize.
3		Reset machine	The confirmation dialog for machine reset is displayed. Tap [OK] to reset the machine. All ongoing operations will be reset.
4		Reboot PC	A confirmation dialog for restarting the PC is displayed. Tap [OK] to restart the PC. All ongoing operations will be reset.
5		Shutdown PC	A confirmation dialog for PC shutdown is displayed. Tap [OK] to shut down the PC. All ongoing operations will be reset.

Quick function

Execute the frequently used functions directly from shortcut icons.
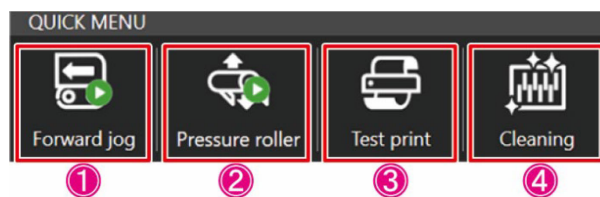
No.	Name	Icon	Description
1	Forward jog	Stop Forward	Perform the forward jog operation.
2	Pressure roller	Up Down	Move up or down the pressure roller.
3	Test print		Perform a test print.
4	Cleaning		Perform cleaning.

Error list (PLC)

Error No.	Error level	Error displayed	Cause	Measures
F427	1 or 2	Unwinder big diameter Alarm	The diameter of the media installed on UNWINDER unit is too large.	1. Check the diameter of the media installed in the UNWINDER. The maximum diameter is φ1000mm. If the diameter is over 1000mm, replace the roll. 2. The tension bar falls too much during jogging or feeding, and the media sags. Readjust the media so that it does not sag. 3. Tap the [DETAIL] button in [SYSTEM ALARM] of MPC, and tap the [CLEAR ALARM] button. 4. If the Alarm is displayed again after tapping the [CLEAR ALARM] button, turn off the power of the internal PC and then the main power of the machine in this order, and then turn on again after a while. 5. If the Alarm appears again, contact your dealer, our sales office, or call center.
F431	2	Alarm_105 (DRYERJET Hot Door Alarm)	Media entrance door error on DRYERJET	1. Close the cover of the DRYERJET media entrance. 2. Tap the [DETAIL] button in [SYSTEM ALARM] of MPC, and tap the [CLEAR ALARM] button. 3. If the Alarm is displayed again after tapping the [CLEAR ALARM] button, turn off the power of the internal PC and then the main power of the machine in this order, and then turn on again after a while. 4. If the Alarm appears again, contact your dealer, our sales office, or call center.
F432	1 or 2	DRYERJET Winder big diameter Alarm	The diameter of the wound media on the DRYERJET is too large.	1. Check the diameter of the wound media. The maximum diameter is φ500mm. If the diameter is over 500mm, replace the roll. 2. The tension bar falls too much during jogging or feeding, and the media sags. Readjust the media so that it does not sag. 3. Tap the [DETAIL] button in [SYSTEM ALARM] of MPC, and tap the [CLEAR ALARM] button. 4. If the Alarm is displayed again after tapping the [CLEAR ALARM] button, turn off the power of the internal PC and then the main power of the machine in this order, and then turn on again after a while. 5. If the Alarm appears again, contact your dealer, our sales office, or call center.
F437	2	DRYERJET Communication Alarm	Communication error between DRYERJET and the machine	1. Tap the [DETAIL] button in [SYSTEM ALARM] of MPC, and tap the [CLEAR ALARM] button. 2. If the Alarm is displayed again after tapping the [CLEAR ALARM] button, turn off the power of the internal PC and then the main power of the machine in this order, and
F440		DRYERJET Inverter Alarm (Purge not started Alarm)	DRYERJET for inverter error	

Error No.	Error level	Error displayed	Cause	Measures
F445	1	Current heater MIN	Belt heater current error	then turn on again after a while. 3. If the Alarm appears again, contact your dealer, our sales office, or call center.
F446	2	Current heater MAX	Belt heater current error	
F452	3	Belt generic Fault	Belt control error	
F453	3	Carriage generic Fault	Carriage control error	
F454	3	Carriage thermoswitch Alarm	Linear motor error	
F456	3	Emergency ON	Emergency switch or area sensor error	1. Check the following items. 1.1 Are all 4 emergency switches on the machine released? 1.2 Are the machine covers (6 places) completely closed? 1.3 Whether the maintenance cover is completely closed. 1.4 Whether there is something shading the area sensor. 2. Press the emergency reset switch. 3. Tap the [DETAIL] button in [SYSTEM ALARM] of MPC, and tap the [CLEAR ALARM] button. 4. If the Alarm is displayed again after tapping the [CLEAR ALARM] button, turn off the power of the internal PC and then the main power of the machine in this order, and then turn on again after a while. 5. If the Alarm appears again, contact your dealer, our sales office, or call center.
F457	3	Carriage sensor UP position Alarm	Carriage height sensor error	1. Tap the [DETAIL] button in [SYSTEM ALARM] of MPC, and tap the [CLEAR ALARM] button. 2. If the Alarm is displayed again after tapping the [CLEAR ALARM] button, turn off the power of the internal PC and then the main power of the machine in this order, and then turn on again after a while. 3. If the Alarm appears again, contact your dealer, our sales office, or call center.
F458	3	Carriage Up Motor Alarm	Carriage up/down motor error	
F459	3	Carriage Down Motor Alarm	Carriage Down Motor error	
F460	3	Carriage Homing sensor Alarm	Carriage height sensor error	
F461	3	Motors Thermic Alarm	Motor or power breaker error	
F462	3	Washing device in maintenance position (FC S27.1)	Washing unit error	1. Insert and remove the washing unit, tap the [DETAIL] button in the MPC [SYSTEM ALARM] column, and then tap the [CLEAR ALARM] button to check whether the error can be reset. 2. If the Alarm is displayed again after tapping the [CLEAR ALARM] button, turn off the power of the internal PC and then the main power of the machine in this order, and then turn on again after a while. 3. If the Alarm appears again, contact your dealer, our sales office, or call center.

Error No.	Error level	Error displayed	Cause	Measures
F463	3	Cleaning Station sensors Alarm	Cleaning station sensor error	1. Tap the [DETAIL] button in [SYSTEM ALARM] of MPC, and tap the [CLEAR ALARM] button. 2. If the Alarm is displayed again after tapping the [CLEAR ALARM] button, turn off the power of the internal PC and then the main power of the machine in this order, and then turn on again after a while. 3. If the Alarm appears again, contact your dealer, our sales office, or call center.
F464	3	Cleaning Station Forward motor Alarm	Cleaning station motor error	
F465	3	Cleaning Station Backwards motor Alarm	Cleaning station motor error	
F466	0 or 1 or 2	Cleaning Solution LOW level Alarm	Error of the remaining amount of cleaning solution	1. Check the remaining amount of cleaning solution. 2. Add the cleaning solution if necessary. 3. Tap the [DETAIL] button in [SYSTEM ALARM] of MPC, and tap the [CLEAR ALARM] button. 4. If the Alarm is displayed again after tapping the [CLEAR ALARM] button, turn off the power of the internal PC and then the main power of the machine in this order, and then turn on again after a while. 5. If the Alarm appears again, contact your dealer, our sales office, or call center.
F467	2	Muting - Printing AREA doors	The cover sensor detection exclusion key is on.	1. Turn Off the "EXCLUSION SAFETY DOOR" key on the right front side of the machine. 2. Tap the [DETAIL] button in [SYSTEM ALARM] of MPC, and tap the [CLEAR ALARM] button. 3. If the Alarm is displayed again after tapping the [CLEAR ALARM] button, turn off the power of the internal PC and then the main power of the machine in this order, and then turn on again after a while. 4. If the Alarm appears again, contact your dealer, our sales office, or call center.
F468	2	Compressed Air LOW pressure Alarm	Air pressure error	1. Check the air pressure supplied to the machine. Required pressure: 6 to 8bar 2. After checking, tap the [DETAIL] button in [SYSTEM ALARM] of MPC, and tap the [CLEAR ALARM] button. 3. If the Alarm is displayed again after tapping the [CLEAR ALARM] button, turn off the power of the internal PC and then the main power of the machine in this order, and then turn on again after a while. 4. If the Alarm appears again, contact your dealer, our sales office, or call center.

Error No.	Error level	Error displayed	Cause	Measures
F469	1 or 2	UNITECH HEATER Generic Alarm	Alarm generated in UNITECH HEATER	1. Remove the cause of alarm of UNITECH HEATER. 2. Tap the [DETAIL] button in [SYSTEM ALARM] of MPC, and tap the [CLEAR ALARM] button. 3. If the Alarm is displayed again after tapping the [CLEAR ALARM] button, turn off the power of the internal PC and then the main power of the machine in this order, and then turn on again after a while. 4. If the Alarm appears again, contact your dealer, our sales office, or call center.
F471	3	Printing position settings Alarm	Carriage print position setting error	1. Tap the [DETAIL] button in [SYSTEM ALARM] of MPC, and tap the [CLEAR ALARM] button. 2. If the Alarm is displayed again after tapping the [CLEAR ALARM] button, turn off the power of the internal PC and then the main power of the machine in this order, and then turn on again after a while. 3. If the Alarm appears again, contact your dealer, our sales office, or call center.
F472	3	Carriage printing height setting Alarm	Carriage print height setting error	
F473	0 or 2 or 3	Folds Alarm	The media floated	1. Set again so that the media does not float off the belt. 2. Tap the [DETAIL] button in [SYSTEM ALARM] of MPC, and tap the [CLEAR ALARM] button. If the media continues to float: 3. Adjust the pressure of the pressure roller. 4. Turn on the belt heater. 5. Replace the adhesive. 6. If the above measures do not resolve the error, tap the [DETAIL] button in the MPC [SYSTEM ALARM] column, and tap the [CLEAR ALARM] button. 7. If the Alarm is displayed again after tapping the [CLEAR ALARM] button, turn off the power of the internal PC and then the main power of the machine in this order, and then turn on again after a while. 8. If the Alarm appears again, contact your dealer, our sales office, or call center.
F474	3	Carriage lateral folds safety device Alarm	Carriage crashed into the media.	1. Remove the contact media and set it again. 2. Tap the [DETAIL] button in [SYSTEM ALARM] of MPC, and tap the [CLEAR ALARM] button. 3. If the Alarm is displayed again after tapping the [CLEAR ALARM] button, turn off the power of the internal PC and then the main power of the machine in this order, and then turn on again after a while. 4. If the Alarm appears again, contact your dealer, our sales office, or call center.
F475	3	Purge quote too low (3[mm])	Purge position setting error	1. Tap the [DETAIL] button in [SYSTEM ALARM] of MPC, and tap the [CLEAR

Error No.	Error level	Error displayed	Cause	Measures
F476	3	Cycle doesn't START - Maintenance Enable reason	Under maintenance	ALARM] button. 2. If the Alarm is displayed again after tapping the [CLEAR ALARM] button, turn off the power of the internal PC and then the main power of the machine in this order, and then turn on again after a while. 3. If the Alarm appears again, contact your dealer, our sales office, or call center.
F487	3	Carriage movement Safety PX Alarm	Limit sensor error in carriage vertical movement	
F488	2	Belt Heater Alarm	Belt heater error	
F489	1 or 2	MEDIA END Alarm	The media end was detected in the UNWINDER unit.	1. Check if there is a hole in the media coming out of the UNWINDER unit . If there is a hole, feed the media until it comes out of the print area, then tap the [DETAIL] button in [SYSTEM ALARM] of the MPC, and tap the [CLEAR ALARM] button. 2. If the Alarm is displayed again after tapping the [CLEAR ALARM] button, turn off the power of the internal PC and then the main power of the machine in this order, and then turn on again after a while. 3. If the Alarm appears again, contact your dealer, our sales office, or call center.
F512	2	Unwinder Dancer Roll Up Alarm	The tension bar of the UNWINDER unit has reached its upper limit.	1. Level the tension bar in the local mode. 2. Check that the operation mode of the UNWINDER unit is set to Auto. 3. Tap the [DETAIL] button in [SYSTEM ALARM] of MPC, and tap the [CLEAR ALARM] button. 4. If the Alarm is displayed again after tapping the [CLEAR ALARM] button, turn off the power of the internal PC and then the main power of the machine in this order, and then turn on again after a while. 5. If the Alarm appears again, contact your dealer, our sales office, or call center.
F513	0 or 1 or 2	Unwinder Dancer Roll Down Alarm	UNWINDER unit tension bar has reached its limit.	
F514	2	Unwinder Drive FAULT	UNWINDER unit inverter error	1. Tap the [DETAIL] button in [SYSTEM ALARM] of MPC, and tap the [CLEAR ALARM] button. 2. If the Alarm is displayed again after tapping the [CLEAR ALARM] button, turn off the power of the internal PC and then the main power of the machine in this order, and then turn on again after a while. 3. If the Alarm appears again, contact your dealer, our sales office, or call center.
F515	3	Unwinder Thermal protection	Malfunction of power supply or breaker of UNWINDER unit	
F516	0	WARNING Unwinder in MANUAL mode	UNWINDER unit is set to manual mode.	1. Set the operation mode to AUTO on the touch panel of the UNWINDER unit. 2. Tap the [DETAIL] button in [SYSTEM ALARM] of MPC, and tap the [CLEAR ALARM] button. 3. If the Alarm is displayed again after tapping the [CLEAR ALARM] button, turn off the power of the internal PC and then the main power of the machine in this order, and then turn on again after a while. 4. If the Alarm appears again, contact your dealer, our sales office, or call center.

Error No.	Error level	Error displayed	Cause	Measures
F517	3	DRYERJET in Emergency Alarm	Emergency stop occurs in DRYERJET	1. Check the following items. 1.1 Check that the DRYERJET emergency switches (2 places) are released. At this time also check whether the emergency switch on the main unit is released. 1.2 Make sure that there is no clogging near the media insertion slot of DRYERJET. 1.3 Check that the area sensor of the DRYERJET is not shielded. 2. Tap the [DETAIL] button in [SYSTEM ALARM] of MPC, and tap the [CLEAR ALARM] button. 3. If the Alarm is displayed again after tapping the [CLEAR ALARM] button, turn off the power of the internal PC and then the main power of the machine in this order, and then turn on again after a while. 4. If the Alarm appears again, contact your dealer, our sales office, or call center.
F518	2	DRYERJET Thermal protection Alarm	DRYERJET's power supply or breaker error	1. Tap the [DETAIL] button in [SYSTEM ALARM] of MPC, and tap the [CLEAR ALARM] button. 2. If the Alarm is displayed again after tapping the [CLEAR ALARM] button, turn off the power of the internal PC and then the main power of the machine in this order, and then turn on again after a while. 3. If the Alarm appears again, contact your dealer, our sales office, or call center.
F519	2	DRYERJET Inverter Alarm	DRYERJET's inverter error	
F521	2	Unwinder FC Cardan Alarm	Cardan joint error of Big Roll UNWINDER	1. Check the connection part of the Big Roll Cardan joint. If the cardan joint is not connected to the trolley, connect it. 2. Tap the [DETAIL] button in [SYSTEM ALARM] of MPC, and tap the [CLEAR ALARM] button. 3. If the Alarm is displayed again after tapping the [CLEAR ALARM] button, turn off the power of the internal PC and then the main power of the machine in this order, and then turn on again after a while. 4. If the Alarm appears again, contact your dealer, our sales office, or call center.

Error No.	Error level	Error displayed	Cause	Measures
F542	1 or 2	Seam detected alarm	Detected a media seaming at the Small Roll UNWINDER.	1. Check if there is a seam near the Small Roll Seam Detector sensor. If there is a joint, feed the media until the joint comes out of the print area. 2. Tap the [DETAIL] button in [SYSTEM ALARM] of MPC, and tap the [CLEAR ALARM] button. 3. If the Alarm is displayed again after tapping the [CLEAR ALARM] button, turn off the power of the internal PC and then the main power of the machine in this order, and then turn on again after a while. 4. If the Alarm appears again, contact your dealer, our sales office, or call center.
F544	2	DRYERJET Breaking Paper Alarm	Media error on DRYERJET	1. Check the following items. 1.1 Reset the media. 1.2 Level the tension bar in the local mode. 2. Tap the [DETAIL] button in [SYSTEM ALARM] of MPC, and tap the [CLEAR ALARM] button. 3. If the Alarm is displayed again after tapping the [CLEAR ALARM] button, turn off the power of the internal PC and then the main power of the machine in this order, and then turn on again after a while. 4. If the Alarm appears again, contact your dealer, our sales office, or call center.
F545	2	DRYERJET Dancer UP Alarm	The tension bar of the DRYERJET has reached its upper limit.	1. Level the tension bar in the local mode. 2. Tap the [DETAIL] button in [SYSTEM ALARM] of MPC, and tap the [CLEAR ALARM] button. 3. If the Alarm is displayed again after tapping the [CLEAR ALARM] button, turn off the power of the internal PC and then the main power of the machine in this order, and then turn on again after a while. 4. If the Alarm appears again, contact your dealer, our sales office, or call center.
F546	1 or 2	DRYERJET Dancer DOWN Alarm	The tension bar of the DRYERJET has reached its lower limit.	
F547	2	DRYERJET Paper Temperature Alarm	Media temperature error on DRYERJET	1 Check if the heater set temperature is 80 degree C or less. 2 Tap the [DETAIL] button in [SYSTEM ALARM] of MPC, and tap the [CLEAR ALARM] button. 3 If the Alarm is displayed again after tapping the [CLEAR ALARM] button, turn off the power of the internal PC and then the main power of the machine in this order, and then turn on again after a while. 4 If the Alarm appears again, contact your dealer, our sales office, or call center.
F548	2	DRYERJET Heating generic Alarm	Heater error on DRYERJET	
F549	2	By Pass DRYERJET Alarm	Bypass of DRYERJET is enabled by WinGP.	1 Contact your dealer, our sales office, or call center.

Error No.	Error level	Error displayed	Cause	Measures
F550	2	DRYERJET Heater Timeout Alarm	The heater operation of DRYERJET timed out.	1. While the printer is waiting, turn off DRYERJET [DRYER] switch. 2. Tap the [DETAIL] button in [SYSTEM ALARM] of MPC, and tap the [CLEAR ALARM] button. 3. If the Alarm is displayed again after tapping the [CLEAR ALARM] button, turn off the power of the internal PC and then the main power of the machine in this order, and then turn on again after a while. 4. If the Alarm appears again, contact your dealer, our sales office, or call center.
F592	0	Unwinder Bypass	UNWINDER bypass	1. Change the [Unwinder disabled] to "Enable" from the [SETTING]-[Machine]-[Winder-Unwinder] menu of MPC. 2. Tap the [DETAIL] button in [SYSTEM ALARM] of MPC, and tap the [CLEAR ALARM] button.
F594	0	Winder Bypass	Winder bypass	1. Change the [Winder disabled] to "Enable" from the [SETTING]-[Machine]-[Winder-Unwinder] menu of MPC. 2. Tap the [DETAIL] button in [SYSTEM ALARM] of MPC, and tap the [CLEAR ALARM] button.
F599		Carriage Safety Switch Alarm	Carriage left/right limit switch error	1. Tap the [DETAIL] button in [SYSTEM ALARM] of MPC, and tap the [CLEAR ALARM] button. 2. If the Alarm is displayed again after tapping the [CLEAR ALARM] button, turn off the power of the internal PC and then the main power of the machine in this order, and then turn on again after a while. 3. If the Alarm appears again, contact your dealer, our sales office, or call center.
F600	2	Liv3PlcAlarm	Error of Level 3	
F601	2	Liv4PlcAlarm	Error of Level 4	
F602	1	Liv2PlcAlarm	Error of Level 2	

F603	3	Liv5PlcAlarm	Error of Level 5	1. Check the following items.
				  1.1 Make sure that the 4 emergency switches on the main unit have been released.
				  1.2 Make sure that the machine covers (6 places) are completely closed.
				  1.3 Make sure that the maintenance cover is completely closed.
				  1.4 Check whether there is something shading the area sensor.
				2. Press the emergency reset switch.
				3. Tap the [DETAIL] button in [SYSTEM ALARM] of MPC, and tap the [CLEAR ALARM] button.
				4. Turn off the power of the internal PC and then the main power of the machine in this order, and then turn on again after a while.
				5. If the Alarm appears again, contact your dealer, our sales office, or call center.

Error No.	Error level	Error displayed	Cause	Measures
F796	2	Big Roll Unwinder Inverter Alarm	Inverter error of Big Roll UNWINDER	1. Tap the [DETAIL] button in [SYSTEM ALARM] of MPC, and tap the [CLEAR ALARM] button. 2. If the Alarm is displayed again after tapping the [CLEAR ALARM] button, turn off the power of the internal PC and then the main power of the machine in this order, and then turn on again after a while. 3. If the Alarm appears again, contact your dealer, our sales office, or call center.
FF01	2	PLC Connection Error	PLC AP PLC disconnection occurred	1. Check the connection between the internal PC and PLC. 2. Tap the [DETAIL] button in [SYSTEM ALARM] of MPC, and tap the [CLEAR ALARM] button. 3. If the Alarm is displayed again after tapping the [CLEAR ALARM] button, turn off the power of the internal PC and then the main power of the machine in this order, and then turn on again after a while. 4. If the Alarm appears again, contact your dealer, our sales office, or call center.
FF10	0	PLC AP Error Occurred	PLC AP PLC occurred	1. Tap the [DETAIL] button in [SYSTEM ALARM] of MPC, and tap the [CLEAR ALARM] button. 2. If the Alarm is displayed again after tapping the [CLEAR ALARM] button, turn off the power of the internal PC and then the main power of the machine in this order, and then turn on again after a while. 3. If the Alarm appears again, contact your dealer, our sales office, or call center.
FF30	0	PLC AP Initialization Failure	PLC AP Initialization failure	
FF31	0	PLC AP Uninitialization	Processing cannot be continued because PLC AP is not initialized.	
FF32	0	PLC AP Failed To Connect	PLC AP Failed to connect	1. Check the connection between the internal PC and PLC. 2. Tap the [DETAIL] button in [SYSTEM ALARM] of MPC, and tap the [CLEAR ALARM] button. 3. If the Alarm is displayed again after tapping the [CLEAR ALARM] button, turn off the power of the internal PC and then the main power of the machine in this order, and then turn on again after a while. 4. If the Alarm appears again, contact your dealer, our sales office, or call center.

Error list (Other)

Error No.		Error level	Error displayed	Cause	Measures
CPU					
1	04	2	0104:YY(_____)+35V RECVR	An error occurred in the control PCB.	Turn off the power of the internal PC and then the main power of the machine in this order, and then turn on again after a while. If it appears again, contact your dealer, our sales office, or call center.
1	0E	2	010E:YY(_____)FROM CLEAR		
1	0F	2	010F:YY(_____)FROM WRITE	An error occurred in the control PCB.	
1	15	2	0115:YY(_____)PCB MAIN-F1		
1	16	2	0116:YY(_____)PCB MAIN-F2		
1	22	2	0122:YY(_____)CHECK :SD RAM		
1	23	2	0123:YY(_____)PRAM DATA		
1	24	2	0124:YY(_____)PRAM ADDR		
1	27	2	0127:YY(_____)POWER OFF		
1	28	2	0128:YY(_____ZZ)HDC FIFO OVER ZZ indicates a head number. 1: Head 1 (rear) 2: Head 2 (front)		
1	28	2	0128:YY(_____ZZ)HDC FIFO UNDER ZZ indicates a head number. 1: Head 1 (rear) 2: Head 2 (front)		
1	29	2	0128:YY(_____)BATTERY EXCHANGE	Detected battery running out of internal clock.	Contact your dealer, our sales office, or call center.
1	2A	2	0B2A:YY(_____ZZ)HD HEATER FUSE ZZ indicates a head number. 1: Head 1 (rear) 2: Head 2 (front)	Head heater power fuse blown.	
1	2D	2	012D:YY(_____)PCB MAIN-F4	The fuse on the main PCB has blown.	Turn off the power of the internal PC and then the main power of the machine in this order, and then turn on again after a while. If it appears again, contact your dealer, our sales office, or call center.
1	51	2	0151:YY(_____)Main PCB V1R2	An error has occurred in the power supply.	
1	52	2	0152:YY(_____)Main PCB V2R5		
1	53	2	0153:YY(_____)Main PCB V3R3		
1	54	2	0154:YY(_____)Main PCB V05		
1	55	2	0155:YY(_____)Main PCB V36-1		

Error No.		Error level	Error displayed	Cause	Measures
1	56	2	0156:YY(_____)Main PCB V5B		
1	57	2	0157:YY(_____)Main PCB VTT		
1	58	2	0158:YY(_____)Main PCB V36-2		
1	6E	2	016E:YY(_____)Main PCB V3R3B		
1	71	2	0171:YY(_____ZZ)NEW HEAD CONNECT ZZ indicates a head number. 1: Head 1 (rear) 2: Head 2 (front)	Recognized a new head connection.	
1	72	2	0172:YY(_____)Main PCB Q6 Check		Turn off the power of the internal PC and then the main power of the machine in this order, and then turn on again after a while. If it appears again, contact your dealer, our sales office, or call center.
1	8A	2	018A:YY(_____)Main PCB V_CORE	An error has occurred in the power supply.	
1	8B	2	018B:YY(_____)Main PCB V1R5B		
1	8C	2	018C:YY(_____)Main PCB V12		
1	8E	2	018E:YY(_____ZZ)FLS NOT COMP ZZ indicates a head number. 1: Head 1 (rear) 2: Head 2 (front)	Ink ejection control error	
1	8F	2	018F:YY(_____ZZ)OFFSET START ZZ indicates a head number. 1: Head 1 (rear) 2: Head 2 (front)		
1	9E	2	019E:YY(_____)HDC*-F1	The fuse on the head has blown.	
1	BF	2	01BF:YY(_____)PCB MAIN-F2/F3	The fuse on the main PCB has blown.	
Command					
2	01	1	0201:YY(_____)COMMAND		Turn off the power of the internal PC and then the main power of the machine in this order, and then turn on again after a while. If it appears again, contact your dealer, our sales office, or call center.
2	02	1	0202:YY(_____)PARAMETER	Communication error between PC and printer	
2	03	2	0203:YY(_____)Ment Command		
Communication					
3	0C	2	030C:YY(_____)SCAN DATA TIMEOUT	Communication error between PC and printer	Turn off the power of the internal PC and then the main power of the machine in this order, and then turn on again after a while. If it appears again, contact your dealer, our sales office, or call center.

Error No.		Error level	Error displayed	Cause	Measures
Sensor					
5	09	2	0509:YY(_____)HDC POSCNT	HDC position counter error occurred. An error occurred in the linear scale or Y motor.	Turn off the power of the internal PC and then the main power of the machine in this order, and then turn on again after a while. If it appears again, contact your dealer, our sales office, or call center.
5	19	2	0519:09(_____)NEGATIVE PRESS SENSOR	Negative pressure sensor error	
5	1A	2	051A:09(_____)POSITIVE PRESS SENSOR	Positive pressure sensor error	
5	31	2	0531:09(ZZZZZZZZ)INKTANK SENSOR ZZZZZZZZ indicates a path number. 1: Path 1 2: Path 2 : 8: Path 8	Error in the balance of the ink supply unit	Make sure that the ink tank is set correctly, that there is no impact, and that there is no load on it. Turn off the power of the internal PC and then the main power of the machine in this order, and then turn on again after a while. If the problem persists even after performing the above operations, contact your dealer, our sales office, or call center.
5	4A	2	054A:YY(_____)PDC POSINT:1234	PDC position interrupt does not occur. An error occurred in the linear scale or Y motor.	Turn off the power of the internal PC and then the main power of the machine in this order, and then turn on again after a while. If it appears again, contact your dealer, our sales office, or call center.

Error No.	Error level	Error displayed	Cause	Measures
Ink				
6 01 0		0601:09(ZZZZZZZZ)INK NEAR END ZZZZZZZZ indicates a path number. 1: Path 1 2: Path 2 : 8: Path 8	Ink in the ink tank is low.	Ink is low. Replace it with a new ink tank according to the following procedure. 1. Pull out the tank tray. 2. Replace with a new ink tank. 3. Return the tank tray. 4. Execute [CLEAR ALARM].
6 02 1		0602:09(ZZZZZZZZ)INK END ZZZZZZZZ indicates a path number. 1: Path 1 2: Path 2 : 8: Path 8	Ink in the ink tank is run out.	
6 03 1		0603:09(ZZZZZZZZ)INK TANK SET ZZZZZZZZ indicates a path number. 1: Path 1 2: Path 2 : 8: Path 8	Ink tank is not detected.	Follow the steps below to set the ink tank. 1. Pull out the tank tray. 2. Set the ink tank. 3. Return the tank tray. 4. Execute [CLEAR ALARM].
6 17 2		0617:09(ZZZZZZZZ)WRONG SUBTANK SENSOR ZZZZZZZZ indicates a path number. 1: Path 1 2: Path 2 : 8: Path 8	Detected an abnormality of the sub-tank liquid level sensor.	Turn off the power of the internal PC and then the main power of the machine in this order, and then turn on again after a while. If it appears again, contact your dealer, our sales office, or call center.
6 1A 2		061A:09(ZZZZZZZZ)INK OVERFLOW ZZZZZZZZ indicates a path number. 1: Path 1 2: Path 2 : 8: Path 8	Detected sub-tank sensor Limit.	Air may have been aspirated. Check the remaining ink level in the ink tank and execute [CLEAR ALARM]. If the Alarm appears again, contact your dealer, our sales office, or call center.
6 1B 2		061B:09(ZZZZZZZZ)INK SUPPLY ZZZZZZZZ indicates a path number. 1: Path 1 2: Path 2 : 8: Path 8	Ink can not be supplied to the sub-tank.	Check the remaining ink level in the ink tank and execute [CLEAR ALARM]. If the Alarm appears again, contact your dealer, our sales office, or call center.

Error No.		Error level	Error displayed	Cause	Measures
6	1C	2	061C:09(_____)NEGATIVE PRESS CONTROL	Abnormal start of negative pressure control	Turn off the power of the internal PC and then the main power of the machine in this order, and then turn on again after a while. If it appears again, contact your dealer, our sales office, or call center.
6	1D	2	061D:09(_____)NEGATIVE PRESS NOT ENOUGH	The proper range of negative pressure can not be maintained.	
6	1E	2	061E:09(_____)NEGATIVE PRESS OVER		
6	1F	2	061F:09(_____)POSITIVE PRESS CONTROL	Abnormal start of positive pressure control	
6	20	2	0620:09(_____)POSITIVE PRESS NOT ENOUGH	The proper range of positive pressure can not be maintained.	
6	21	2	0621:09(_____)POSITIVE PRESS OVER		
6	37	2	0637:09(_____ZZ)INK LEAK ZZ indicates an ink leak sensor. 1: Supply unit right side Ink leak Sensor 2: Supply unit left side Ink leak sensor	Ink leakage occurred near the ink tank.	
6	5D	2	065D:09(_____ZZ)Overflowtank ZZ indicates the chamber bottle. 1: Chamber bottles for paths 1 to 4 2: Chamber bottles for paths 5 to 8	Ink has entered the air tank.	
6	6B	2	066B:09(ZZZZZZZZ)SUBTANK EMPTY ZZZZZZZZ indicates a path number. 1: Path 1 2: Path 2 : 8: Path 8	There is no ink in the sub-tank.	Check the remaining ink level in the ink tank and execute [CLEAR ALARM]. If the Alarm appears again, contact your dealer, our sales office, or call center.
6	6D	1	066D:09(_____1)INKTANK PULL OUT	Ink tank tray is pulled out.	Return the ink tank tray. Execute [CLEAR ALARM] after returning the ink tank tray.
6	77	0	0677:09(_____)DEGAS CONTROL	An abnormality was detected in the degassing control.	Turn off the power of the internal PC and then the main power of the machine in this order, and then turn on again after a while. If it appears again, contact your dealer, our sales office, or call center.

Error No.		Error level	Error displayed	Cause	Measures
Heater					
7	3E	2	073E:YY(_____ZZ)HD HEATER BREAK ZZ indicates a head number. 1: Head 1 (rear) 2: Head 2 (front)	The head heater is disconnected.	Turn off the power of the internal PC and then the main power of the machine in this order, and then turn on again after a while. If it appears again, contact your dealer, our sales office, or call center.
7	3F	2	073F:YY(_____ZZ)HD HEATER CTRL ERR ZZ indicates a head number. 1: Head 1 (rear) 2: Head 2 (front)	The head heater cannot be controlled.	
7	40	2	0740:YY(_____ZZ)HD HEATER TEMP HIGH ZZ indicates a head number. 1: Head 1 (rear) 2: Head 2 (front)	The head heater temperature is high	
FW					
8	01	2	0801:YY(_____)(C)OPCODE	An error occurred in the control PCB.	Turn off the power of the internal PC and then the main power of the machine in this order, and then turn on again after a while. If it appears again, contact your dealer, our sales office, or call center.
8	02	2	0802:YY(_____)(C)SWI		
8	03	2	0803:YY(_____)(C)PFTCH ABRT		
8	04	2	0804:YY(_____)(C)DATA ABRT		
8	06	2	0806:YY(_____)FW/SIO bit		
8	07	2	0807:YY(_____)FW/SIO wbsy		
8	0E	2	080E:YY(_____)FW/FROM prm		
8	0F	2	080F:YY(_____)FW/SIO vch		
8	11	2	0811:YY(_____)FW/SIO read		
8	15	2	0815:YY(_____)FW/SIO rsrc		
8	16	2	0816:YY(_____)FW/FROM WRC		
8	17	2	0817:YY(_____)FW/SaveArea		
8	1B	2	081B:YY(_____)FW/STACK OV		

	Error No.	Error level	Error displayed	Cause	Measures
8	26	2	0826:YY(_____)FW/PrmSave Buf	An error occurred in the control PCB.	Turn off the power of the internal PC and then the main power of the machine in this order, and then turn on again after a while. If it appears again, contact your dealer, our sales office, or call center.
8	28	2	0828:YY(ZZZZZZZZ)PRG ERR L***** Z indicates the program address where the error occurred.		
8	29	2	0829:YY(_____)FW/ERASE TIMEOV		
8	3A	2	0831:YY(ZZZZZZZZ)PARAMETER ERROR ZZZZZZZZ indicates the control data number (information for developers).	Control data is not registered / invalid (Tiger).	
User					
9	16	2	0916:YY(_____)ROM MISSMATCH	-	Make sure that the ROM is for the target model. If the error occurs in the target model ROM, contact your dealer, our sales office, or call center.
CPU2					
B	25	2	0B25:YY(_____)HDC DIRECTION	Scan control error	Turn off the power of the internal PC and then the main power of the machine in this order, and then turn on again after a while. If it appears again, contact your dealer, our sales office, or call center.
B	27	2	0B27:YY(_____)HD LOGIC FUSE	Print head control PCB error	
B	28	2	0B28:YY(_____)HD DRIVER FUSE		
B	29	2	0B29:YY(_____)HD VLT ERR		
B	2A	2	0B2A:YY(_____ZZ)HD HEATER FUSE		
B	35	2	0B35:YY(_____ZZ)HD VLT ERR ZZ indicates a head number. 1: Head 1 (rear) 2: Head 2 (front)	HD driver voltage 26V abnormal	
B	38	2	0B38:YY(_____ZZ)HD DRV V26 ZZ indicates a head number. 1: Head 1 (rear) 2: Head 2 (front)	HD driver voltage 26V ± 5% error	
B	3E	2	0B3E:09(ZZZZZZZZ)PCB LOADCELL AD ZZZZZZZZ indicates a path number. 1: Path 1 2: Path 2 : 8: Path 8	Load cell AD PCB error	

Error No.		Error level	Error displayed	Cause	Measures
Head					
D	0B	2	0D0B:YY(_____ZZ)HD CONNECT ZZ indicates a head number. 1: Head 1 (rear) 2: Head 2 (front)	Head connection error	Turn off the power of the internal PC and then the main power of the machine in this order, and then turn on again after a while. If it appears again, contact your dealer, our sales office, or call center.
D	0C	2	0D0C:YY(_____ZZ)HD THERMIS ZZ indicates a head number. 1: Head 1 (rear) 2: Head 2 (front)	Head temperature error The head temperature specified in the head connection check is an invalid value.	
D	0D	2	0D0D:YY(_____)HDC SPEED	Head control error	
D	1C	2	0D1C:YY(_____ZZ)HD BUSY ZZ indicates a head number. 1: Head 1 (rear) 2: Head 2 (front)	Cannot communicate with the print head.	
D	1D	2	0D1D:YY(_____ZZ)HD CMD ZZ indicates a head number. 1: Head 1 (rear) 2: Head 2 (front)	Cannot communicate with the print head.	
D	1E	2	0D1E:YY(_____ZZ)HD DRIVE HOT ZZ indicates a head number. 1: Head 1 (rear) 2: Head 2 (front)	The print head detected a temperature error.	
MDC Mode_Error					
C0	51	0	C051:00(ZZZZZZZZ)PRINT MODE ERROR(1)	The print condition has not been created at the start of printing.	Turn off the power of the internal PC and then the main power of the machine in this order, and then turn on again after a while. If it appears again, contact your dealer, our sales office, or call center.
C0	52	0	C052:00(ZZZZZZZZ)PRINT MODE ERROR(2)	Print preparation is not completed at the start of printing.	
C0	53	0	C053:00(ZZZZZZZZ)PRINT MODE ERROR(3)	Printing is not in progress at the start of printing.	
C0	54	0	C054:00(ZZZZZZZZ)PRINT MODE ERROR(4)	The printer is in test mode when printing starts.	
C0	55	0	C055:00(ZZZZZZZZ)PRINT MODE ERROR(5)	The printer is in test mode when printing starts.	

Error No.		Error level	Error displayed	Cause	Measures
MDC Connection_Error					
C1	01	0	C101:00(ZZZZZZZZ)Command Format ERROR	Communication error between control PC and FW	Turn off the power in the order of the internal PC and the main power of this machine, check the Ethernet connection between the internal PC and the PCB, and then turn on the power again. If it appears again, contact your dealer, our sales office, or call center.
C1	02	0	C102:00(ZZZZZZZZ)Notify recive ERROR ZZZZZZZZ indicates the command code (information for developers).	Processing result cannot be received from the Firmware.	
C1	03	0	C103:00(ZZZZZZZZ)Respons recive ERROR ZZZZZZZZ indicates the command code (information for developers).	No response from the Firmware.	
C1	04	0	C104:00(ZZZZZZZZ)Parameter read ERROR(1)	The operation request parameter cannot be received.	
C1	05	0	C105:00(ZZZZZZZZ)Parameter read ERROR(2)	The operation request parameter cannot be received.	
C1	06	0	C106:00(ZZZZZZZZ)Respons set ERROR	Receive invalid parameters from FW	
C1	07	0	C107:00(ZZZZZZZZ)Notice Respons ERROR ZZZZZZZZ indicates the command code (information for developers).	Receive error completion notification from FW	
C1	10	2	C110:00(ZZZZZZZZ)Communication ERROR(MDL)	Connection error between FW and control PC	
C1	11	2	C111:00(ZZZZZZZZ)Communication ERROR(MRL)	Connection error between FW and control PC	
MDC Command_Error					
C2	01	0	C201:00(ZZZZZZZZ)MG Command ERROR	Received undefined MG command	Turn off the power of the internal PC and then the main power of the machine in this order, and then turn on again after a while. If it appears again, contact your dealer, our sales office, or call center.
MDC Print_Error					
C3	01	2	C301:00(ZZZZZZZZ)File read ERROR	Cannot read the specified file.	Turn off the power of the internal PC and then the main power of the machine in this order, and then turn on again after a while. If it appears again, contact your dealer, our sales office, or call center.
C3	02	0	C302:00(ZZZZZZZZ)Parameter is not set	Operating parameter does not exist.	
C3	03	0	C303:00(ZZZZZZZZ)Parameter illegal ERROR	Invalid operation parameter	

Error No.		Error level	Error displayed	Cause	Measures
C3	04	2	C304:00(ZZZZZZZZ)TIFF read ERROR	TIFF file reading failure	Data created with RIP software may be corrupted. Check the output target model and printing conditions, and create the data again.
C3	05	2	C305:00(ZZZZZZZZ)Mask ERROR	Mask creation failure	
C3	06	2	C306:00(ZZZZZZZZ)PSTUS file read ERROR	Invalid print condition value	
MDC Prm_Error					
C4	01	2	C401:00(ZZZZZZZZ)Control Data read ERROR	Error reading control data	Turn off the power of the internal PC and then the main power of the machine in this order, and then turn on again after a while. If it appears again, contact your dealer, our sales office, or call center.
C4	02	2	C402:00(ZZZZZZZZ)Control Data download ERROR	Control data download error	
MDC Config_Error					
C8	01	2	C801:00(Z)Target does not exist Z indicates the number of the Firmware that could not be detected. 1～8:PEFW 9:IOFW	Target does not exist.	The machine settings are not correct. Contact your dealer, our sales office, or call center.
C8	02	2	C802:00(Z)PCB composition ERROR Z indicates the configuration error Firmware number. 1～8:PEFW 9:IOFW	Machine configuration error	
C8	03	2	C803:00(ZZZZZZZZ)Version ERROR	Version error	The version of the units that configures this machine is incorrect. Contact your dealer, our sales office, or call center.
MDC System_Error					
C9	01	2	C901:00(ZZZZZZZZ)Program ERROR	Program ERROR	Turn off the power of the internal PC and then the main power of the machine in this order, and then turn on again after a while. If it appears again, contact your dealer, our sales office, or call center.
C9	98	2	C998:00(ZZZZZZZZ)EXCEPTION(1)	Unexpected error (other than software exception, below)	
C9	99	2	C999:00(ZZZZZZZZ)EXCEPTION(2)	Unexpected error (software exception)	

Error No.			Error level	Error displayed	Cause	Measures
MDC FW_Error						
CA	01		2	CA01:00(ZZZZZZZZ)Calibration Value is Not Stable	The AD value during calibration is not stable for a certain period of time.	Turn off the power of the internal PC and then the main power of the machine in this order, and then turn on again after a while. If it appears again, contact your dealer, our sales office, or call center.

MPC, QPrint function comparison table

List of main functions

No.	Function	Overview	Use timing (examples)	QPrint	MPC
1	Cleaning	Recover nozzle clogging	• There is nozzle clogging	ML Tiger-1800B MKII Operation manual P.6-14	MPC for ML Tiger-1800B MKII Operation Guide P.27
2	Pattern Draw	Check the nozzle status	• There is nozzle clogging	ML Tiger-1800B MKII Operation manual P.6-16	Menu [QUICK MENU]
3	Offset / Bidirectional offsets	Check / set the bidirectional adjustment value	• Grainy • The thin line is thick	ML Tiger-1800B MKII Operation manual P.6-18	Menu [SETTING] - [Bi-direction adjustment]
4	Color Bar	Prevents nozzle clogging during printing	• There is nozzle clogging during printing • The thin line is not stable	ML Tiger-1800B MKII Operation manual P.6-19	MENU [SETTING] - [Print] - [Color bar]
5	Feed offset	Adjust the belt feed amount	• There is a feed stripe	ML Tiger-1800B MKII Operation manual P.6-22	[PRINT] - [JOB STATUS] - [Feed offset] button
6	Advanced	Set the MAPS	• There is banding • There is a feed stripe	ML Tiger-1800B MKII Operation manual P.6-24	Set the print condition
7	Auto cleaning	Cleaning automatically during printing	• There is nozzle clogging during printing	ML Tiger-1800B MKII Operation manual P.6-25	MPC for ML Tiger-1800B MKII Operation Guide P. 29
8	Belt heater	Adjust belt surface temperature	• Media does not stick	ML Tiger-1800B MKII Operation manual P.6-28	MENU [SETTING] - [Machine] - [Belt heater]
9	Pass / Layer	Set the pass / layer	• There is banding • Insufficient density	ML Tiger-1800B MKII Operation manual P.6-29	Set the print condition
10	Pre feed / Final feed	Set the feed amount before and after printing	• There is a feed stripe between the first and second scans • To dry the product after printing	ML Tiger-1800B MKII Operation manual P.6-30	MENU [SETTING] - [Print] - [Pre feed] / [Dry feed]
11	Print queue	Register a print file in the Print queue	• To print multiple print files unattended	ML Tiger-1800B MKII Operation manual P.6-31	

QPrint - MPC function comparison list

[Print] tab screen

No.	QPrint menu		Function	MPC menu
1	Printing area	Width	Displays the width of the print file.	Print condition screen
2		N.repeats	Select the number of print file repetitions.	
3		Height	Select the output length of Print file.	
4		Pos.X	Select the print origin.	Print condition screen [SETTING] - [Media] - [Media setting]
5	Image	Print file	Select the print file.	[PRINT] - [JOB LIST]
6		Test Draw	Apply a test print pattern to the print file.	[QUICK MENU] - [Test print]
7		Pattern	Select bidirectional adjustment pattern.	[SETTING] - [Bi-direction adjustment] - [XXXX pattern]
8		PatternDraw	Apply the selected bidirectional adjustment pattern to the Print file.	
9		Adjust	Apply the adjustment pattern selected with AdjustmentTool to the Print file.	[PRINT] - [TEST PATTERN] - [ServiceDraw]
10		ColorBar_Position	Set the flushing condition_OFF / Both / Left	[SETTING] - [Print] - [Color bar]
11		ColorBar_Printing Level	Set the flushing condition_Level 0 ~ 3	
12	Printing quality	Pass	Select the number of pass.	Print condition screen
13		Layer	Select the number of layer.	
14		Print Speed	Selecting the print speed (Standard / Hispeed)	
15		Print Direction	Selecting the print direction (bidirectional / unidirectional)	
16		Feed offset	Correct the media feed amount	[PRINT] - [JOB STATUS] - [Feed offset] button
17		Offset	Correct the landing position for bidirectional adjustment	[SETTING] - [Bi-direction adjustment] - [Bi-direction adjustment]
18		NozzleRecovery	Nozzle recovery function (On/Off)	[SETTING] - [Print] - [Nozzle recovery]
19		Advanced	Set MAPS.	Print condition screen
20	Start		Start printing.	Print condition screen [PRINT] - JOB STATUS (Start button)
21	End		End printing.	[PRINT] - JOB STATUS (Stop button)
22	Pause		Pauses the print.	[PRINT] - JOB STATUS (Pause button)

No.	QPrint menu		Function	MPC menu
23	Printheads light starting		Turn On/Off the station area LED.	[SETTING] - [Machine] - [Light On/Off]
24	Ink compartment light starting		Turn On/Off the LED on the ink tank tray area.	[SETTING] - [Machine] - [Light On/Off]
25	Forward Jog		Turn On/Off the Forward Jog.	[QUICK MENU] - [Forward jog] [MAINTENANCE] - [Jog operation] - [Forward jog]
26	Reverse Jog		Turns On/Off the Reverse Jog.	[MAINTENANCE] - [Jog operation] - [Reverse jog]
27	Stop Final Feed		Stop the final feed.	[PRINT]-JOB STATUS (Stop button)
28	Printer	Output length [Unit: m]	Displays the output print length.	[PRINT] - JOB STATUS
29		Print speed [Unit: sqm]	Displays the print speed. [Unit: sqm]	[PRINT] - JOB STATUS (Real speed)
30		Last printed meters [Unit: m]	Displays the output distance of the previous print file.	HISTORY menu
31	Clear Alarms		Clear the alarm.	[SYSTEM ALARM] - [DETAIL]
32	Reset Machine		Reset the machine.	[SYSTEM] - [Power]- * Various reset menus
33	Alarms		Displays the alarm.	[SYSTEM ALARM]
34	Cleaning	Cleaning level	Select cleaning level (Soft / Normal / Hard / Powerful)	[QUICK MENU] - [Cleaning] [MAINTENANCE] - [Cleaning] - [Cleaning] or [Powerful cleaning]
35		Cleaning	Clean at selected cleaning level	
36	Inks		Displays the remaining ink level.	[INK STATUS]

L1	Printheads in stop position			[PRINT STATUS] - [DETAIL] - [Machine status] - [Capping] *
L2	Printheads in parking position			[PRINT STATUS] - [DETAIL] - [Machine status] - [Capping] *
L3	Plotter heater operation			[PRINT STATUS] - [DETAIL] - [Machine status] - [Heater] *
L4	Capped			[PRINT STATUS] - [DETAIL] - [Machine status] - [Capping] *

* MPC lights only when the cap is On.

[Print queue] tab screen

In MPC, when you select the next job from the job list during printing, a queuing job is registered.

No.	QPrint menu		Function	MPC menu
1	Printing area	Width	Displays the width of the print file.	Print condition screen
2		N.repeats	Select the number of print file repetitions.	
3		Height	Select the output length of Print file.	
4		Pos.X	Select the print origin.	
5	Image	Print file	Select the print file.	[PRINT] - [JOB LIST]
6		Test Draw	Apply a test print pattern to the print file.	[QUICK MENU] - [Test print]
7	Printing quality	Pass	Select the number of pass.	Print condition screen
8		Layer	Select the number of layer.	
9		Print Speed	Selecting the print speed (Standard / Hispeed)	
10		Print Direction	Selecting the print direction (bidirectional / unidirectional)	
11		Advanced	Set MAPS.	Print condition screen
12	HISTORY	Works	Displays print history.	[PRINT] - [JOB HISTORY] [HISTORY] - [Print]
13		Cleaning	Displays the cleaning history.	[HISTORY]-[Maintenance]
14		Emergencies	Displays emergency stop history.	[HISTORY]-[Alarm]
15	History list		History of Works / Cleaning / Emergencies is displayed	[HISTORY]
16	Add		Add print file to queue.	Job selection - Print condition screen - [Print]
17	Delete		Delete the selected print file in the queue list.	[PRINT] - [JOB QUEUE] - Job selection (Press and hold or right click) - [DELETE]
18	Save		Overwrite when the print condition of the selected Print file in the Queue list is changed.	[PRINT] - [JOB QUEUE] - Job selection → Print condition screen
19	Queue list		Displays the registered queue.	[PRINT] - [JOB QUEUE]

[Machine] tab screen

No.	QPrint menu		Function	MPC menu
1	Photocell	Folds photocell	Turns On/Off the Obstacle sensor.	[SETTING] - [Machine] - [Obstacle sensor]
2	Auto Cleaning	In Printing	Sets Auto Cleaning during printing.	[MAINTENANCE] - [Auto maintenance] - [Cleaning (Print)]
3		Offline	Sets Auto Cleaning during waiting.	[MAINTENANCE] - [Auto maintenance] - [Cleaning (Idle)]
4	Pressing cylinder	Man / Auto	Turns On/Off the Pressure roller.	[SETTING] - [Pressure roller] - [Auto setting]
5	Reset machine	Start	Initiates machine reset.	[SYSTEM] - [Power] - * Various reset menus
6		Reset all machine cycle	Resets all PLC cycles.	
7		Reset alarm	Resets an alarm caused by PLC.	
8	Belt washing	Man / Auto	Switching between manual and auto belt cleaning	[SETTING] - [Washing unit] - [Auto setting]
9		Manual up / down tank	Raise and lower the washing tank manually.	[SETTING] - [Washing unit] - [Washing tank]
10		Manual enabling brush	Manually rotate the washing brush.	[SETTING] - [Washing unit] - [Washing brush]
11	Washing hopper	Pause time	Set the time when the water supply valve is closed.	[SETTING] - [Washing unit] - [Wash water supply]
12		Charging time	Set the time that the water supply valve is open.	
13		Water charge	Set the water supply operation On/Off.	
14	Belt jog	Forward Jog	Turn On/Off the Forward Jog	[QUICK MENU] - [Forward jog] [MAINTENANCE] - [Jog operation] - [Forward jog]
15		Reverse Jog	Turns On/Off the Reverse Jog	[MAINTENANCE] - [Jog operation] - [Reverse jog]
16		Jog speed	Set the jog speed.	[MAINTENANCE] - [Jog operation] - [Jog speed]
17	Belt heater	Stop time	Set the belt heater stop time.	[SETTING] - [Machine] - [Heater]
18		Heating	Set the output of the belt heater.	
19		Heater	Turns On/Off the belt heater.	
20	Air recycle fans	Fans stop time	Set the carriage ceiling FAN operation stop time	[SETTING] - [Machine] - [Vent fan]
21		ON / OFF Fans	Turn On/Of the Carriage ceiling fan.	

No.	QPrint menu		Function	MPC menu
22	Head maintenance - placement	Start	Moves the carriage to the maintenance position.	[MAINTENANCE] - [User maintenance] - [Carriage operation] - [To maintenance position]
23		End	Stops the carriage that is moving to the maintenance position.	
24	Winder - Unwinder	Winder	Turns On/Off the Communication between the Winder unit and the machine.	[SETTING] - [Machine] - [Winder-Unwinder]
25		Unwinder	Turns On/Off the Communication between the Unwinder unit and the machine.	
26	Data	Heads height mm	Set the head gap.	[SETTING] - [Print] - [Head gap]
27	Bidirectional offsets	600dpi Standard	Set the bidirectional adjustment value for 600dpi Standard	[SETTING] - [Bi-direction adjustment] - [Bi-direction adjustment]
28		600dpi HiSpeed	Set the bidirectional adjustment value for 600dpi HiSpeed.	
29		1200dpi Standard	Set the bidirectional adjustment value for 1200dpi Standard	
30		1200dpi HiSpeed	Set the bidirectional adjustment value for 1200dpi HiSpeed.	
31	Feeds	Pre feed [unit: mm]	Set the feed amount and On/Off before printing.	[SETTING] - [Print] - [Pre feed]
32		Final feed [unit: m]	Set the feed amount and On/Off after printing.	[SETTING] - [Print] - [Dry feed]

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