



KONICA MINOLTA

Giving Shape to Ideas

bizhub PRESS 
C1070/C1070P/C1060

bizhub PRO 
C1060L

Quick Guide

- 1 Before Getting Started
- 2 Let's Make Prints
- 3 Installing Software
- 4 Basic Operations
- 5 Maintaining the Finishing Quality
- 6 Troubleshooting
- 7 Appendix

Fiery Color Server

Welcome

Thank you for purchasing this machine.

This **Quick Guide** describes basic operations, maintenance, troubleshooting for this machine. This information will be useful to enable the full capabilities of this machine and to utilize such functionality efficiently.

Please keep this manual in a safe place where you can access them easily.

Notations and symbols used in this manual

WARNING

This symbol indicates that negligence of the instructions may lead to death or serious injury.

CAUTION

This symbol indicates that negligence of the instructions may lead to mishandling that may cause injury or property damage.

NOTICE

This symbol indicates a risk that may result in damage to this machine or originals. Follow the instructions to avoid property damage.

Tips

This symbol indicates information that complements the topic or optional devices required to use a certain function.

Reference

This symbol indicates a function or functions that are related to the topic.

The meaning of other notations and symbols are as follows.

Notation/Symbol	Description
[]	These brackets indicate the name of a key on the touch panel or of a button on a computer screen.
Bold	Words in bold type indicate the name of a key on the control panel , of a part, of an option, or of User's Guide.
✓	This check mark indicates a prerequisite of a procedural step.

Intended use of this machine

Intended use

This machine is designed to be used as a digital printing system for the following purposes:

- Print, copy and scan documents.
- Use available finishing functions such as duplexing, stapling, hole-punching, multi-folding and booklet creation if appropriate options are installed.
- Store documents to reprint on the HDD of this machine.

The intended use also requires that:

- The system is used within the limits of device specifications and specifications of optional components,
- All safety instructions in the related user's guides are observed,
- Legal restrictions on copying or printing (refer to instruction booklet "Safety Information") are observed,
- Inspection and maintenance instructions are adhered to,
- General, national and company safety provisions are observed.

Impermissible operating conditions

The system may not be operated if:

- Errors or damage have been discovered,
- Maintenance intervals have been exceeded,
- Mechanical or electrical functions do not work as they should.

Exclusion of liability

The manufacturer of the system assumes no liability for damages if the system was operated under impermissible conditions.

Target groups

The user's guides are intended for the following users of the system;

- **Operator:** Person who has been trained by Konica Minolta or authorized partner to operate the system for its intended use as well as manage consumables, and perform the maintenance and troubleshooting described in user's guides.
- **Administrator:** Person who has been trained by Konica Minolta or authorized partner to manage consumables, adjust system settings, and establish network connections and security systems.

Everyone who uses this system must have read and understood the related user's guides.

Configuration and Usage of this Guide

There are two types of User's Guides for this machine: booklet manuals and **User's Guide CD**.

When you want to learn about detailed functions or operation procedures, refer to the **HTML User's Guide** included in the **User's Guide CD**.

For information about how to use the **HTML User's Guide**, refer to "Good Use of the HTML User's Guide" in Chapter 7.1 of this guide.

Title of booklet manual	Overview
Quick Guide for IC-602	This guide describes basic operations of this machine, how to install the printer driver and applications required to use the Image Controller IC-602 , and how to replace consumables.
Quick Guide for Fiery Color Server (This Guide)	This guide describes basic operations of this machine, how to install the printer driver and applications required to use the Image Controller IC-415 or Image Controller IC-308 , and how to replace consumables.
Safety Information	This guide provides precautions and requests that should be followed to ensure safety usage of this machine. Be sure to read this guide before using the machine.
User's Guide Security	This guide describes the security functions. This guide is available when you want to know how to use the Enhanced Security mode or how to operate this machine when using the Enhanced Security function.

Title of manual in User's Guide CD	Overview
HTML User's Guide	This guide describes basic operations, functions that enable more convenient operations, how to carry out maintenance, simple troubleshooting, and various settings of this machine.

For details on the main body of the **Fiery Color Server**, the related printer driver, and applications, refer to the User's Guide supplied with the **Fiery Color Server**.

Note that basic technical knowledge about the machine is required to enable users to perform maintenance work or troubleshooting operations.

Maintenance and troubleshooting operations should be carried out as instructed in this guide, the **HTML User's Guide** included in the **User's Guide CD**, and the User's Guide supplied with the **Fiery Color Server**.

Should you experience any problems, contact your service representative.

HTML User's Guide operating environment

►Supported Operating Systems/Browsers

This guide describes the operation verification in the operating systems and browsers shown below.

Operating system	Web browser
Windows Vista (SP2)	Internet Explorer 9.x
Windows 7 (SP1)/Windows 8	Internet Explorer 10.x Firefox 28.x
Windows 8.1	Internet Explorer 11.x Firefox 28.x
Mac OS X 10.5/10.6	Safari 5.x
Mac OS X 10.7/10.8	Safari 6.x



Tips

- Check that [JavaScript] of your Web browser is enabled. The **HTML User's Guide** uses [JavaScript] for the page display or search function.
- Note that some of the functions may not work normally depending on your system environment. Please be forewarned.
- Problems may be able to be solved by using the latest Web browser.

►Display resolution

1024 × 768 pixels or more

How to display the top page of the HTML User's Guide

►In a Windows environment

When the **User's Guide CD** is inserted into the CD-ROM drive of your computer, an auto play message is displayed. If you click [Run rundll32.exe], the top page is displayed.

If the top page is not displayed, open [Computer], right-click the [Users_Guide_CD] icon, then click [Open]. Double-click [index.html] in the folder to open the top page.

To open [Computer], perform the following procedure.

- Windows 8.1: In the Start window, click , then click [PC].
- Windows 8: Right-click the Start window, then click [All Apps] - [Computer].
- Windows Vista/Windows 7: Open the [Start] menu, then click [Computer].

►In a Macintosh environment

Open the CD icon on the desktop, then double-click [index.html] to display the top page.



NOTICE

In Mac OS X 10.7 or later, the CD icon may not be displayed on the desktop even when the **User's Guide CD** is inserted into the drive. In this case, the mount setting may be disabled. Check whether or not the mount setting is disabled in "Preferences" of Finder.

Conventions used in this guide

This guide describes product names and system configurations as follows.

Product name	Conventions used in this guide
bizhub PRESS C1070/C1070P/C1060, bizhub PRO C1060L	This machine: Indicates the entire system including options and functions. The main body: Indicates a part of the machine such as a tray or the control panel. The machine: Indicates a mechanical part related to the structure or mechanism.
bizhub PRESS C1070P	Printer model
Microsoft Windows	Windows

Optional products are described with no model number added as follows unless otherwise specified.

Product name	Conventions used in this guide
Image Controller IC-602 Image Controller IC-415 Image Controller IC-308	Image controller
Finisher FS-531 Finisher FS-532 Finisher FS-612	Finisher
Reverse Automatic Document Feeder DF-626	ADF
Saddle Stitcher SD-506 Saddle Stitcher SD-510	Saddle-stitcher

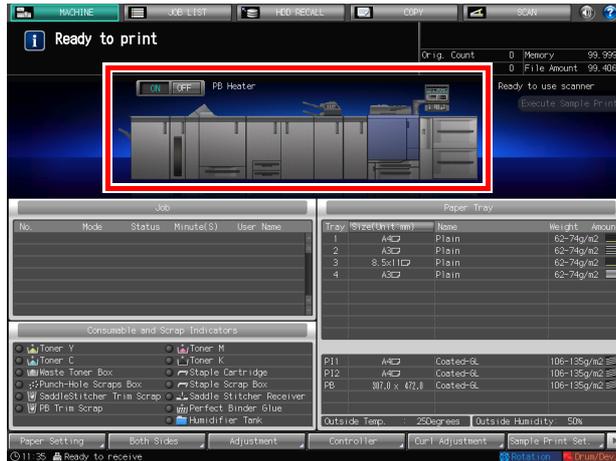
The convention above is also applied to other optional devices.

Make a Note about This Machine Information

Checking the mounted optional devices

Get to know the optional devices mounted on this machine.

You can check a part of the mounted optional devices on the [MACHINE] screen of the touch panel.



Select the check boxes () of the installed optional devices; this is convenient to manage optional devices.

Output-related optional devices	
<input type="checkbox"/> Finisher FS-531	<input type="checkbox"/> Folding Unit FD-503
<input type="checkbox"/> Finisher FS-532	<input type="checkbox"/> Punch Kit PK-512
<input type="checkbox"/> Finisher FS-612	<input type="checkbox"/> Punch Kit PK-513
<input type="checkbox"/> Perfect Binder PB-503	<input type="checkbox"/> Punch Kit PK-522
<input type="checkbox"/> Saddle Stitcher SD-506	<input type="checkbox"/> Relay Unit RU-509
<input type="checkbox"/> Saddle Stitcher SD-510	<input type="checkbox"/> Relay Unit RU-510
<input type="checkbox"/> Large Capacity Stacker Handcart LC-501	<input type="checkbox"/> Multi Puncher GP-501
<input type="checkbox"/> Large Capacity Stacker LS-505	<input type="checkbox"/> Auto Ring Binder GP-502
<input type="checkbox"/> Large Capacity Stacker LS-506	

Feeding-related optional devices	
<input type="checkbox"/> Paper Feeder Unit PF-602m	<input type="checkbox"/> Multi Bypass Unit MB-506
<input type="checkbox"/> Paper Feeder Unit PF-707	<input type="checkbox"/> Post Inserter PI-502
<input type="checkbox"/> Large Capacity Unit LU-202	

Electronic optional devices	
<input type="checkbox"/> Image Controller IC-602	<input type="checkbox"/> Image Controller IC-308
<input type="checkbox"/> Image Controller IC-415	<input type="checkbox"/> Authentication Unit AU-201

Original-related optional devices	
<input type="checkbox"/> Reverse Automatic Document Feeder DF-626	<input type="checkbox"/> Original Cover OC-509

The available optional devices vary depending on your model.

Checking network information

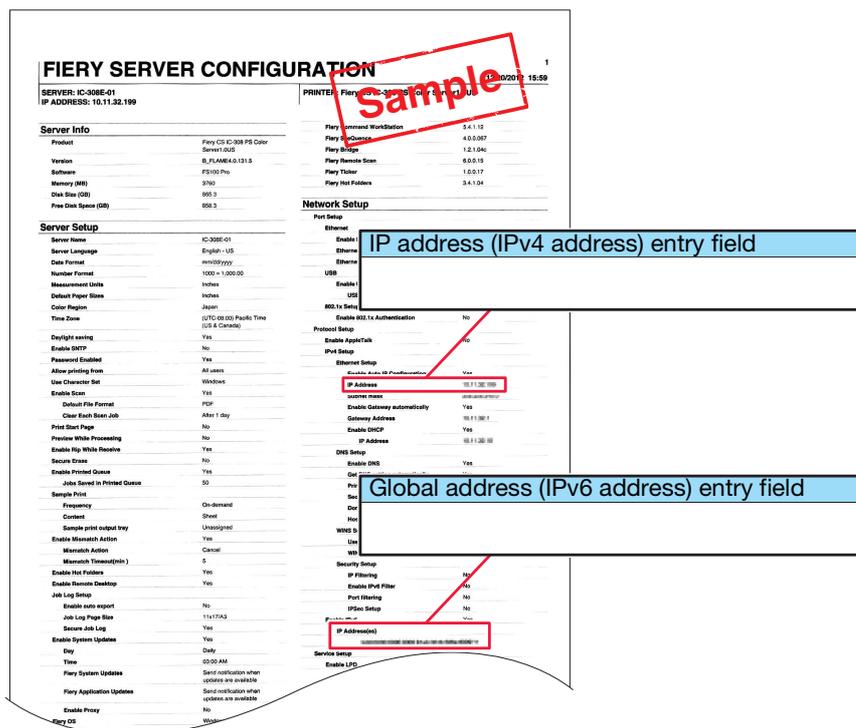
Make a note about network information required to use functions of this machine such as printer functions and various applications.

To check network information, print out the Configuration Page Print.

▶ Printing out the Configuration Page Print

- From the [MACHINE] screen on the **touch panel**, select [Controller] - [Tools] tab - [Configuration], then press [Yes].

Note down the IP address printed on the Configuration Page Print in the entry field according to your environment.



Tips

- If necessary, note down other network information in the following table.
- To check network information, the administrator privilege may be required. Contact your machine administrator.

NOTICE

Some notes may include confidential information. Handle this guide with great care.

In particular, do not enter information such as the password.

Item	Entry field
Example: JSP port number	Example: 30081

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1 Before Getting Started

1.1 Turning the Power ON/OFF

► Power supply

This machine has two power switches: **main power switch** and **sub power switch**.

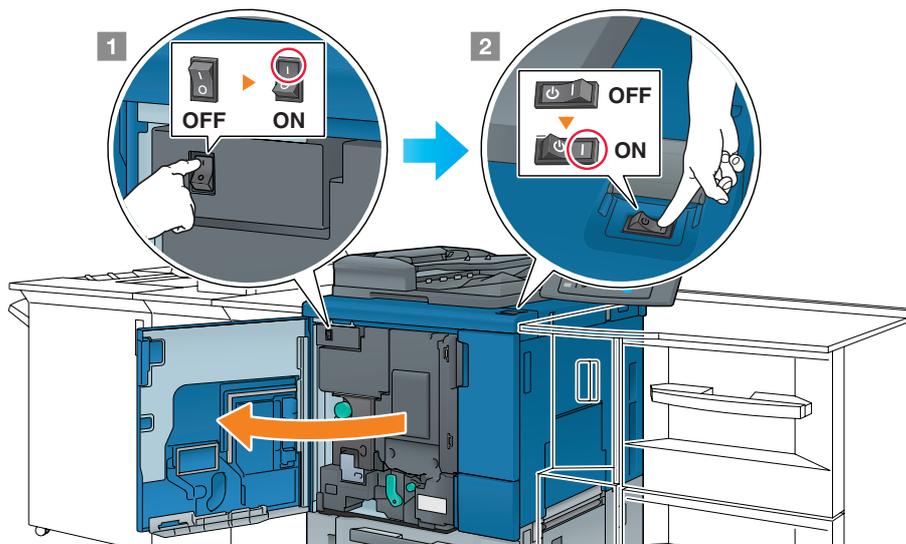
NOTICE

The **main power switch** is normally kept turned on.

The **main power switch** must be turned on or off only when you start this machine for the first time or when you restart this machine.

► Turning the power on

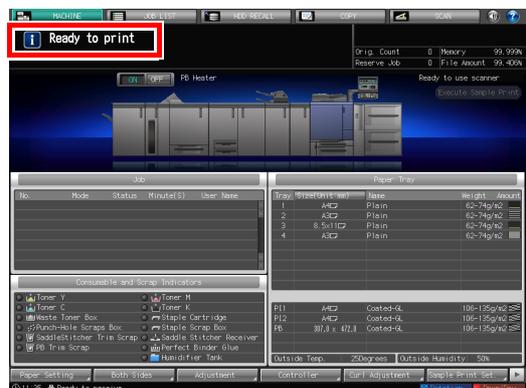
- 1** Open the front door of the main body, then turn the **main power switch** on.
When the **main power switch** is turned on, the **Power LED** on the **control panel** lights up in red.
- 2** Turn on the **sub power switch** on the upper-right corner of the main body.
When the **sub power switch** is turned on, the **Power LED** on the **control panel** lights up in green.



After the start screen has been displayed, the default screen is displayed.

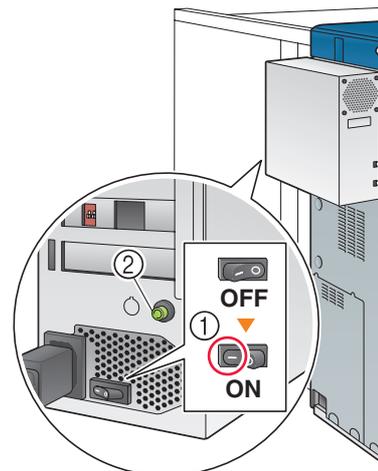
The default screen can be selected from **Utility/Counter**. For details, refer to the **HTML User's Guide**.

When [Ready to print] is displayed on the [MACHINE] screen, you can use this machine.



3 Turn the image controller on.

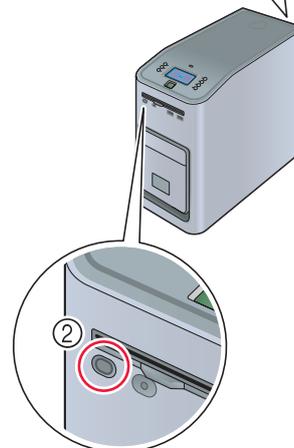
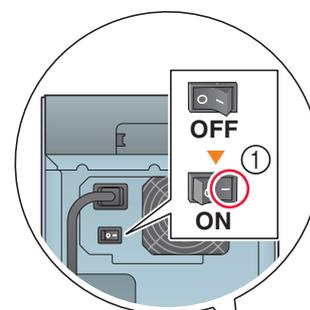
- For **Image Controller IC-415**, turn the power switch in the rear side on (①), then press the button on the top of the power switch (②).



- For **Image Controller IC-308**, turn the power switch in the rear side on (①), then press the power button in the front side (②).

NOTICE

After this machine has started completely, turn the image controller on.

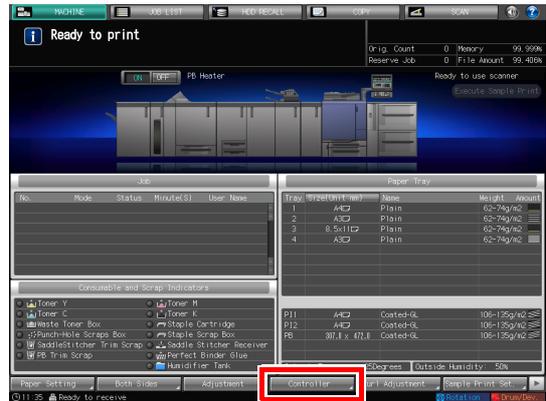


Tips

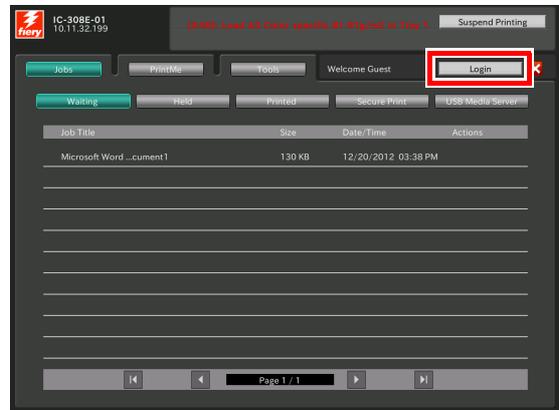
If [Machine is warming up] is displayed on the [MACHINE] screen, it indicates that this machine is in the warm-up state. Warm-up processing takes approximately 6.5 minutes.

▶Turning the power off (Image Controller IC-415)

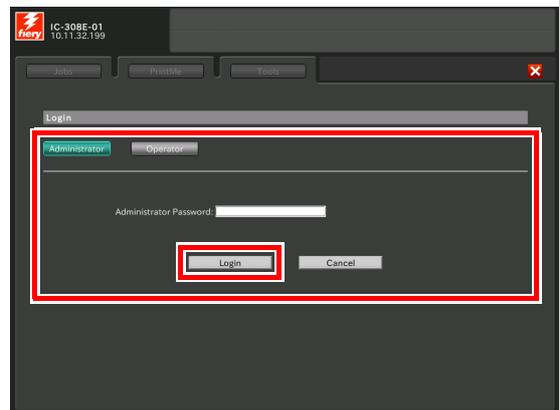
1 On the [MACHINE] screen, press [Controller Setting].



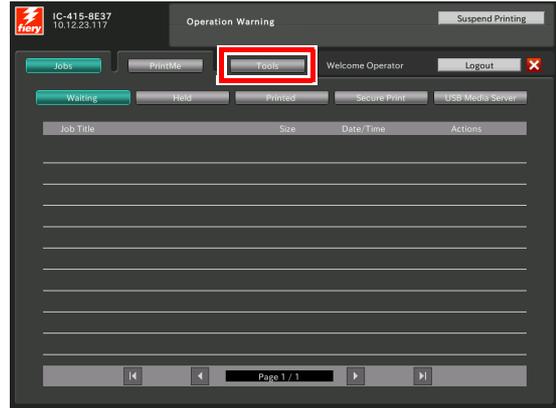
2 Press [Login].



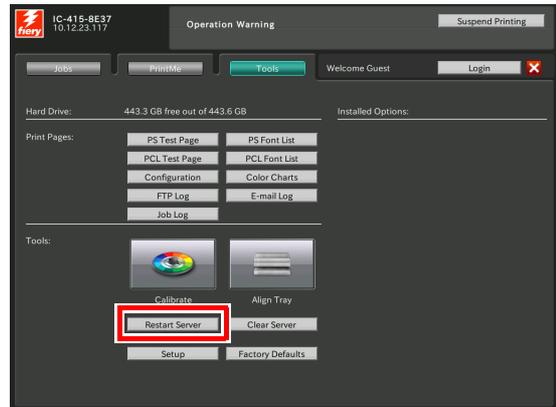
3 Select [Administrator] or [Operator], enter the password, then press [Login].
The default password is "Fiery.1". If you select [Operator], you do not need to enter the password.



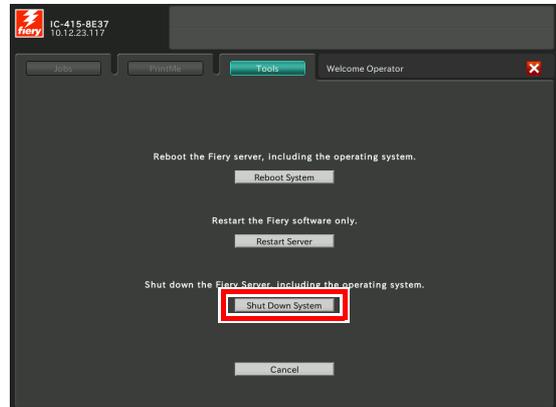
4 Press the [Tools] tab.



5 Press [Restart Server].



6 Press [Shut Down System].



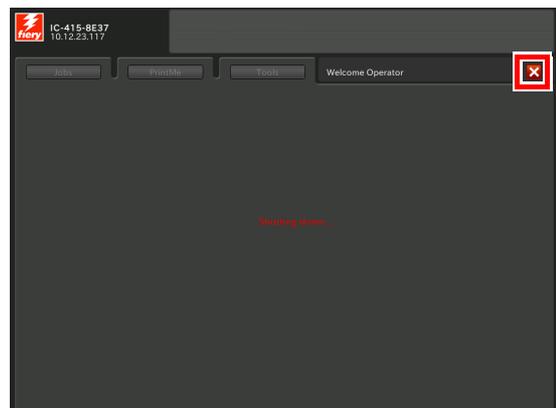
7 If [Shutting down...] is displayed, press [x].

NOTICE

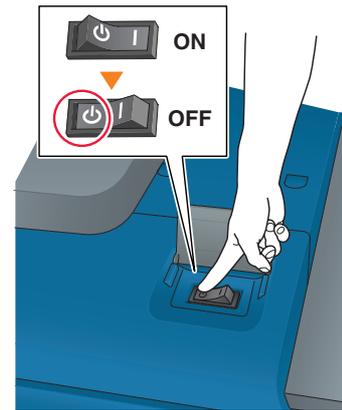
While the following message is displayed, do not quit the system. Otherwise, a problem such as a toner fixation in the machine may occur.

[Cooling in progress / Power is turned off automatically]

[Power off in progress / Please do not turn the main power off]



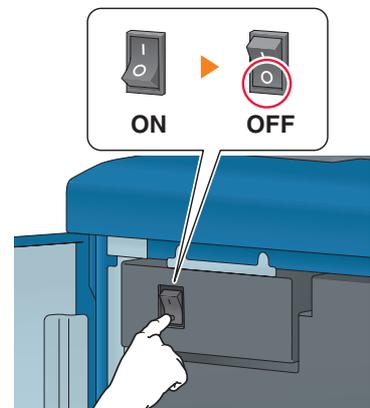
- 8** After the system has quit, turn the **sub power switch** off.
The **touch panel** display goes off, and the **Power LED** on the **control panel** is changed from green to red.



- 9** Turn off the **main power switch**.

NOTICE

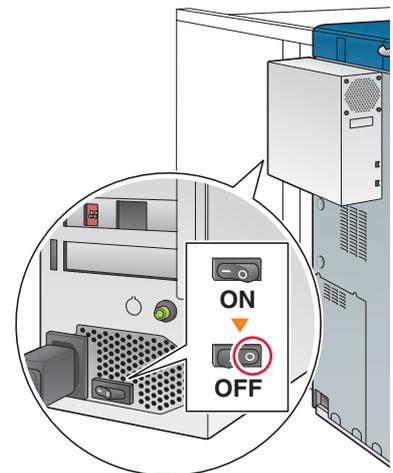
When turning the **main power switch** off then on, be sure to wait for 10 seconds or longer before turning the main power switch on again. If the **main power switch** is turned on again within 10 seconds, the machine may not function normally.



- 10** Turn the power switch in the rear side off.

NOTICE

After this machine has exited completely, turn **Image Controller IC-415** off.



▶Turning off the power (Image Controller IC-308)

- 1 Turn off the **sub power switch**.

The **touch panel** display is cleared, and the **Power LED** on the **control panel** is changed from green to red.

NOTICE

While the following message is displayed, do not turn off the **main power switch**. Otherwise, a problem such as a toner fixation in the machine may occur.

[Cooling in progress / Power is turned off automatically]

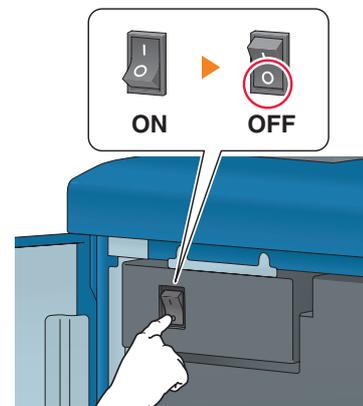
[Power off in progress / Please do not turn the main power off]



- 2 Turn off the **main power switch**.

NOTICE

When turning the **main power switch** off then on, be sure to wait for 10 seconds or longer before turning the main power switch on again. If the **main power switch** is turned on again within 10 seconds, the machine may not function normally.

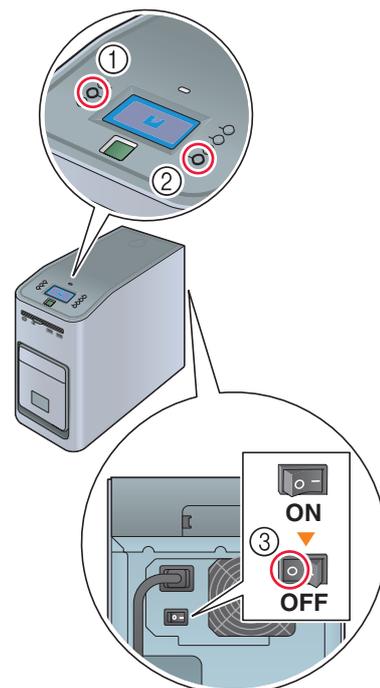


- 3 Press the **Menu** button on the control panel (①), press row selection button 4, then select [Shut Down System] (②).

NOTICE

After this machine has exited completely, turn the **Image Controller IC-308** system off.

- 4 When the system has quit, turn the power switch in the rear side off (③).



 **Tips**

The **Image Controller IC-308** can reset Fiery software or restart the entire system as needed.

- To reset only the Fiery software, press the **Menu** button on the control panel, then use the row selection button to select [Restart Server] - [Restart Server] in sequence. In this case, do not reboot the Windows operating system.
- To reboot the entire system including the Windows operating system, press the **Menu** button on the control panel, then use the row selection button to select [Restart Server] - [Reboot System] in sequence.

► Power saving function

Using the following functions can reduce the power consumption of this machine and provide greater power saving effects.

Function		Description
Power Save function	Auto Low Power	Turns off the touch panel display to reduce the power consumption of this machine. This machine is placed into the Auto Low Power mode when: <ul style="list-style-type: none"> • The specified period of time has elapsed with no print jobs executed in the printable state • Power Save on the control panel has been pressed for a second or more This mode is available when [Auto Low Power] is selected by selecting Utility/Counter - [Administrator Setting] - [System Setting] - [Power Save Setting] - [Power Save Function Setting]. There are eight power saving time periods available: 5, 10, 15, 30, 60, 90, 120, and 240 minutes, from which you can select the desired one. Power saving time periods, 90, 120, and 240 minutes, may not be displayed depending on regions.
	Auto Shut OFF	Turns off all LEDs except Power Save and Power LED on the control panel , to reduce the power consumption of this machine. This machine is placed into the Auto Shut OFF mode when: <ul style="list-style-type: none"> • The specified period of time has elapsed with no print jobs executed in the printable state • Power Save on the control panel has been pressed for a second or more If the Auto Shut OFF mode is kept for a long time, it may take a while to warm up this machine upon restart. This mode is available when [Auto Shut OFF] is selected by selecting Utility/Counter - [Administrator Setting] - [System Setting] - [Power Save Setting] - [Power Save Function Setting]. There are seven power saving time periods available: 0, 1, 30, 60, 90, 120, and 240 minutes, from which you can select the desired one.
ErP Setting		Turns the main power off after the Auto Low Power mode, Auto Shut OFF mode, or the sub power switch is kept in the off state for the specified period of time. There are six power saving time periods available: Do Not Switch, 12, 24, 36, 48, 60, and 72 Hours, from which you can select the desired one. If the Weekly Timer is set to [Weekly Timer ON], [ErP Setting] appears dimmed and you cannot configure this setting.
Monochrome Energy-save Mode		For monochrome printing, you can carry out it in energy-save mode.
Weekly Timer		Automatically turns the power of this machine on or off based on the specified time or day of the week.

 **Tips**

- **Utility/Counter** - [Administrator Setting] - [System Setting] - [Power Save Setting] - [Power Save Function Setting] is the same as **Utility/Counter** - [User Setting] - [System Setting] - [Power Save Setting] - [Power Save Function Setting]: use either of the methods to configure a setting.
- If **Power Save** on the **control panel** is pressed for one second or more, either of Auto Low Power and Auto Shut OFF is enabled. To enable either function, select [Administrator Setting] - [System Setting] - [Power Save Setting] - [Power Save Function Setting].

 **Reference**

For details, refer to the **HTML User's Guide**.

 **NOTICE**

If this machine is turned off because the Weekly Timer has started, job data is not received even if it is sent. While this machine can be used normally, send job data again.

1.2 Available Operations in this Machine

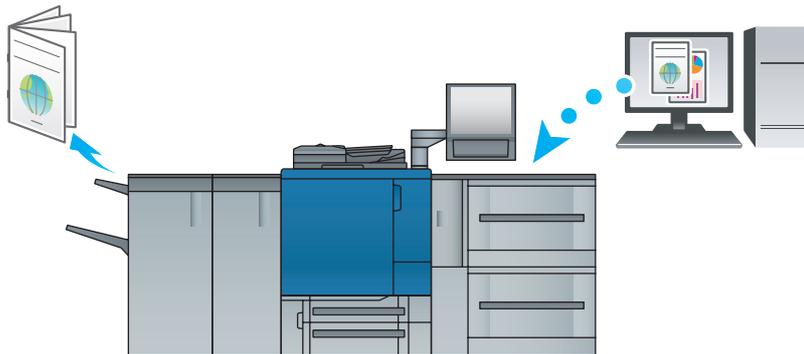
Major functions of this machine

► Print functions

This machine can be used as a printing system by installing an optional **Image Controller**.

You can print data on this machine via the printer driver using the application software installed on your computer.

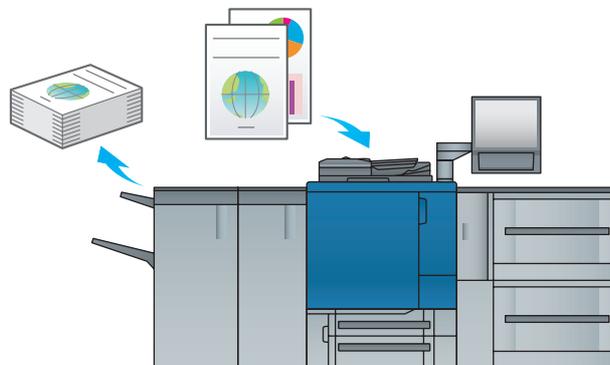
You can configure a layout or finish setting by implementing a simple action when printing data.



► Copy functions

You can specify conditions such as the original scan setting, paper size, or finish setting to copy data.

More originals can be scanned in a short time by mounting an optional **ADF**.



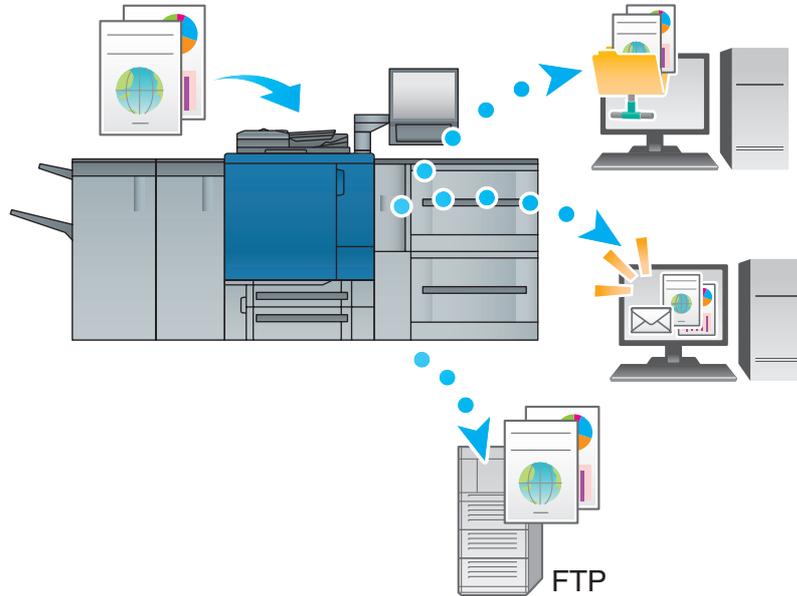
Tips

Copy functions are not available in the **Printer model**.

► Scan functions

You can send the scanned original data as an E-mail attachment, or send it to a shared computer (SMB server) or the FTP server by mounting an optional **Image Controller**.

In addition, you can give a scan instruction from a computer on the network to import the scanned original data to your computer.



Tips

Scan functions are not available in the **Printer model**.

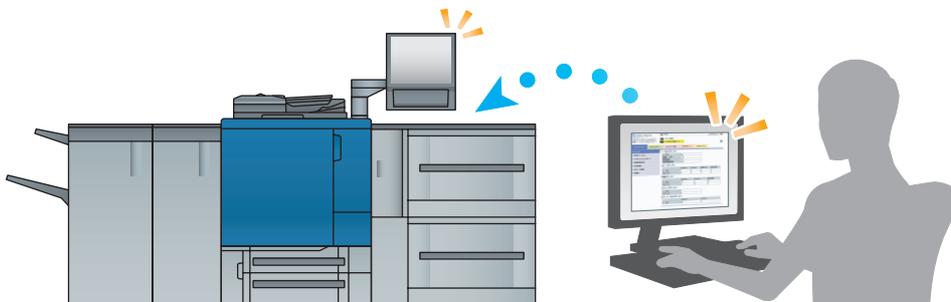
► Hold function of print jobs using the HDD

You can temporarily save an executed print or copy job to reprint it from the job list or save it on the HDD of this machine.

► Device control function (WebTools)

WebTools is a device control utility program provided by the HTTP server built in the image controller.

You can access an **Image Controller** via the network using the Web browser of the computer to check the status of this machine or configure various settings from **WebTools**.



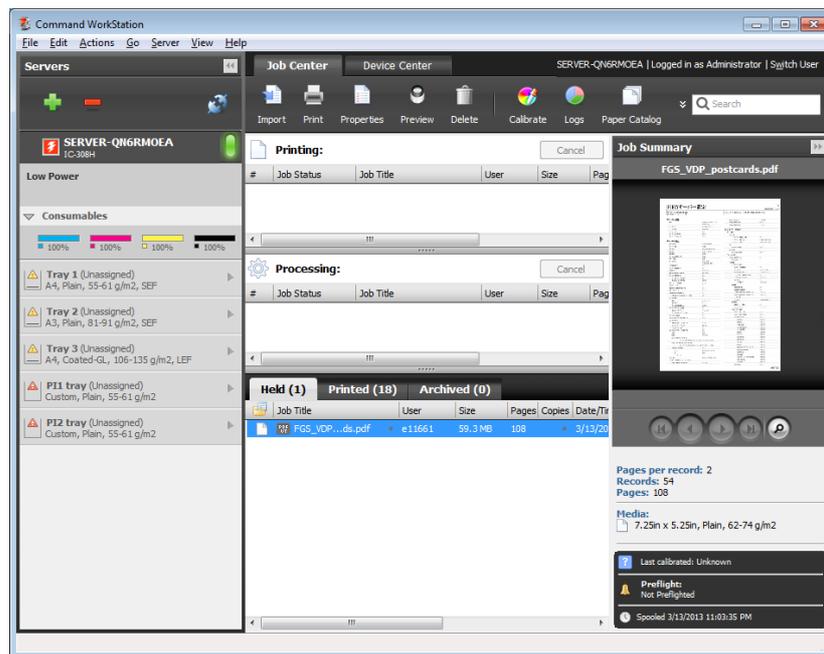
Application functions

► Fiery Command WorkStation

Fiery Command WorkStation is an application that manages jobs and image controller via the network.

Job management function

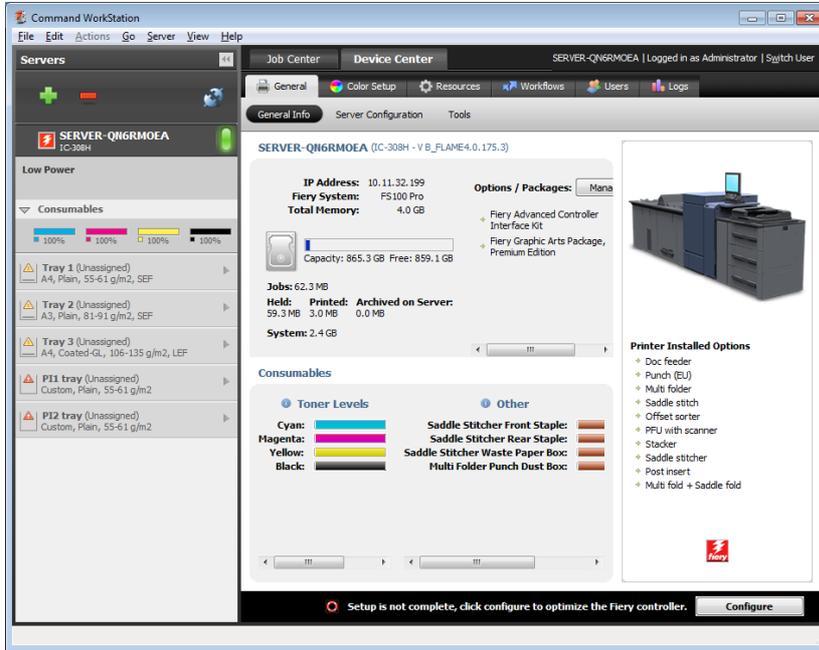
The [Job Center] tab provides the functions for the job operator. You can check the job status that is being processed by the controller or that is being printed, and check an overview of the processed job. You can also search or print a job, calibrate the controller for stable color reproduction, or check the log data.



1.2 Available Operations in this Machine

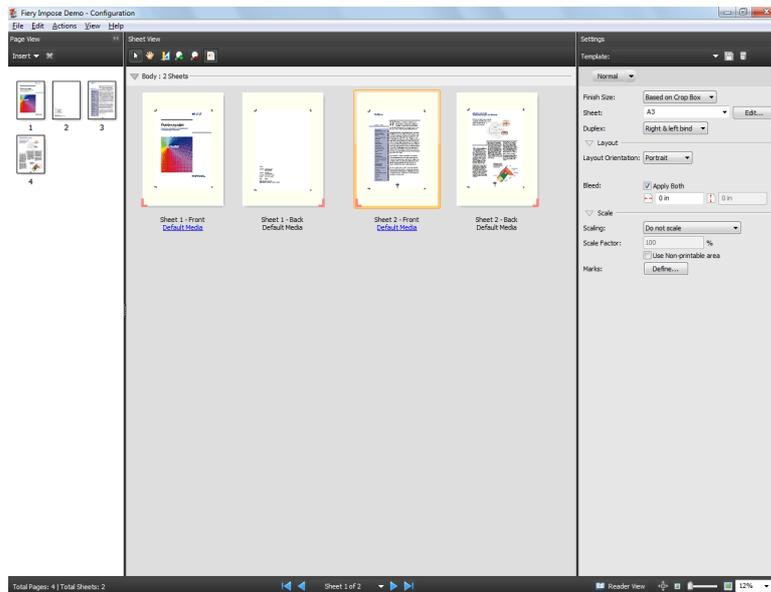
Device control function

The [Device Center] tab provides the functions for the administrator. You can check or set the settings of the image controller, set up the color, adjust the tray, define the paper or view the job log.



Imposition function

Using **Fiery Impose** (option), you can impose each page on **Fiery Command WorkStation**.



► Printer Delete Utility

Printer Delete Utility is an application that is used to completely delete the Fiery printer driver from the computer. For details about how to use this application, refer to the User's Guide supplied with the **Fiery Color Server**.

▶ **Fiery Remote Scan**

Fiery Remote Scan is an application that is used to perform remote scanning, to import a file from the E-mail box and save it on the computer, or to import scanned data into the application to edit it. For details about how to use this application, refer to the User's Guide supplied with the **Fiery Color Server**.

▶ **Fiery Hot Folders**

Fiery Hot Folders is an application that is used to set attributes to any folder on the computer and automatically send data that has been dragged and dropped in the folder to the image controller. For details about how to use this application, refer to the User's Guide supplied with the **Fiery Color Server**.

2 Let's Make Prints

This chapter describes a basic print workflow using this machine.

First confirm the basic flow to print data, then add detailed settings and adjustment to meet your requirements.

Reference

For information about application settings of this machine and adjustment procedures, refer to the **HTML User's Guide**.

2.1 Printing Flow

First check that your original data is printed in the following flow.

The detailed operations or setting procedures are described in the reference page for each step.

Tips

The **User's Guide CD** supplied with this machine includes a sample PDF file for printing. This file is helpful if you have no original data.

Step 1: Prepare the printer driver and applications

Install the printer driver and applications in your computer.

After installation is completed, configure information of the mounted devices using the printer driver in order to use optional functions.

For details, refer to the following pages.

- To install the printer driver: Refer to page 3-1.
- To install applications: Refer to page 3-12.

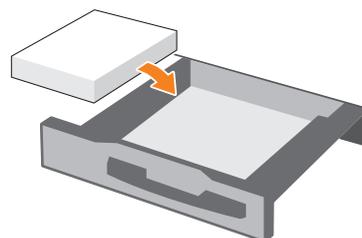


Step 2: Load paper into a tray

Load paper into the **Main Body Tray** or an optional paper tray.

For details, refer to the following pages.

- To load paper into the **Main Body Tray**: Refer to page 4-1.
- To load paper into **Paper Feeder Unit**: Refer to page 4-3.
- To load paper into another optional device: Refer to page 4-4.



Step 3: Configure information of the paper loaded into a tray in this machine

Specify the type, size, weight, and other values of paper.
For details, refer to page 4-5.

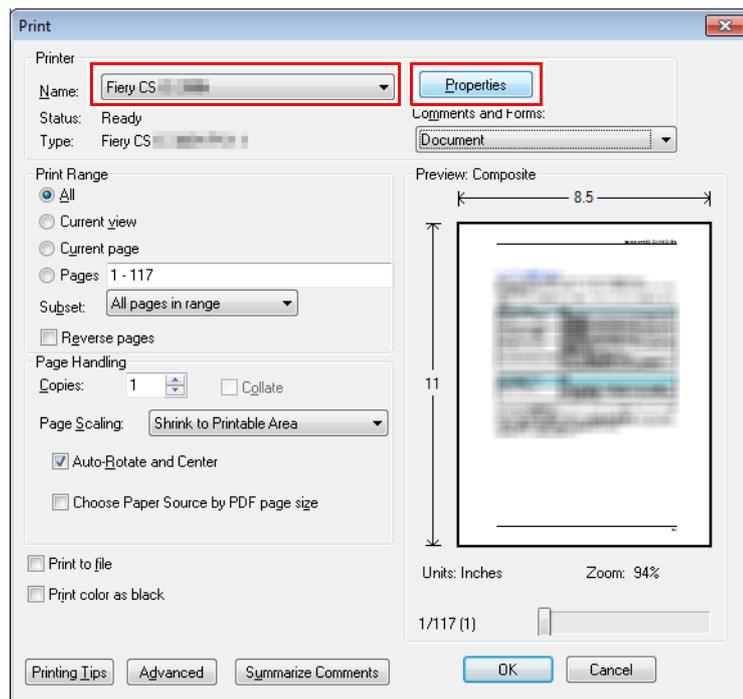


Step 4: Use the printer driver to print data

Print original data through your computer.

- ✓ Check the application environment of original data in advance. This guide shows a procedure example of how to use **Adobe Reader XI** in a **Windows 7** environment.

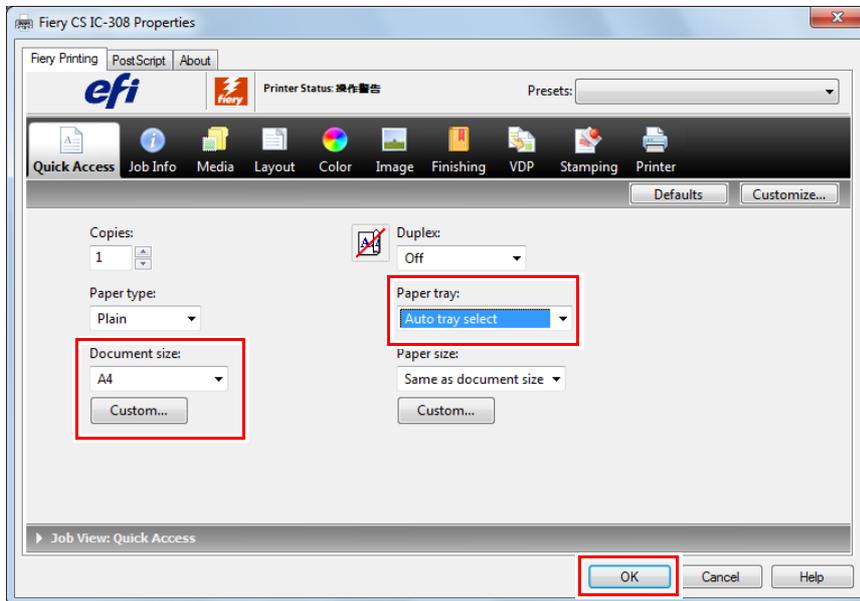
- 1 Click [Print] on the file menu of the application software to display the Print window.
- 2 Select the installed printer driver from [Printer Name], then click [Properties].



- 3 Click the [Quick Access] tab on the setting screen of the printer driver, then select the paper size of the original data in [Original Size].

Confirm the setting, then click [OK].

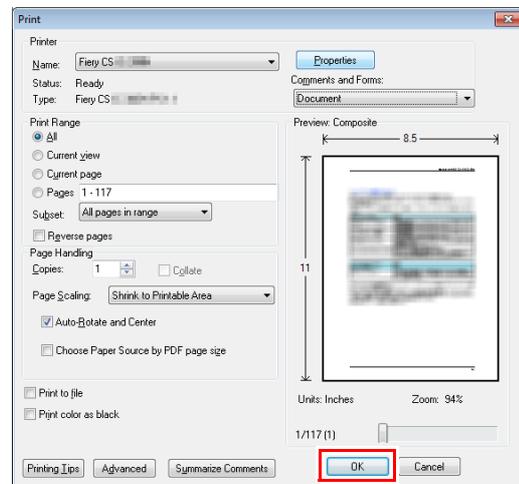
- In [Paper Tray], you can select a tray to load paper to be printed into.
- For information about other functions of the printer driver, refer to page 4-10.



- 4 Click [OK].

Original data is printed, and printed sheets are output to the **Output Tray** of the main body.

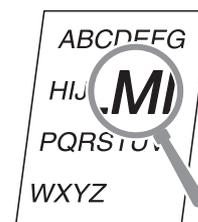
- You can save print jobs on the HDD of the controller (Hold job).
If print jobs are saved on the HDD, you can make prints without reconfiguring settings the next time you print; which makes simple reprinting jobs easier.
The items you can configure or adjust vary depending on where print jobs are saved on the HDD. For details, refer to the User's Guide supplied with the **Fiery Color Server**.
- For information about how to take an action when data is printed with an incorrect paper size, refer to page 6-10.



Step 5: Check the finishing

Check the image quality reproducibility, printing position misalignment, fold or staple position, and other items after printing data.

For information about finishing checkpoints and adjustment procedures, refer to the **HTML User's Guide**.



3 Installing Software

3.1 Installing the Printer Driver

Operating environment

► In a Windows environment

Item	Specifications
Operating System	Windows Server 2003 (32bit/64bit), Windows Server 2003 R2 (32bit/64bit), Windows Vista (32 bits/64 bits), Windows Server 2008 (32 bits/64 bits), Windows Server 2008 R2 (64 bits), Windows 7 (32 bits/64 bits), Windows 8 (32 bits/64 bits), Windows Server 2012
CPU	Any processor of the same or higher specifications as recommended for your operating system
Memory	Memory capacity as recommended for your operating system The memory must have a sufficient free space to support the operating system and required applications.
Drive	DVD drive

► In a Macintosh environment

Item	Specifications
Operating System	Mac OS X 10.6/10.7/10.8
CPU	PowerPC, Intel Processor
Memory	Memory capacity as recommended for your operating system
Drive	DVD drive

Characteristics of printer driver

There are the following types of printer drivers that can be installed on this machine.

Printer driver	Page description language	Description
PostScript 3 driver	CPSI3019	Available when exactly printing data that is created using the application software compatible with PS such as Adobe. This driver is commonly used in applications where good color reproducibility is important. This driver provides various configurable functions compared with the PPD driver.

The PostScript 3 driver is also compatible with Adobe PDF Print Engine (APPE) 2.5 and PCL interpreter.

In a Windows environment

► Installation

Use the Add Printer Wizard to install the printer driver on your computer.

This guide describes how to install the driver in a Windows 7 environment.

- ✓ A network setting must be configured on this machine before beginning the installation procedure. For details, refer to the **HTML User's Guide**.
- ✓ To carry out this task, the computer's administrator privilege is required.
- ✓ You can also install the printer driver using the installer.

1 Insert the **User Software DVD** into the DVD drive of the computer.

2 Open the Start menu, then click [Devices and Printers].

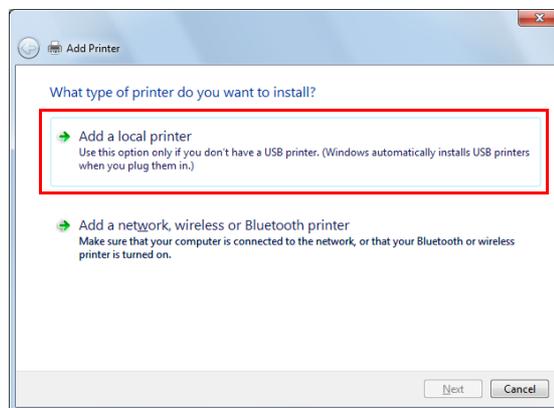
- In Windows 8/Windows Server 2012, right-click on the Start screen, click [All Apps], then select [Control Panel] - [Hardware and Sound] - [Devices and Printers].
- In Windows Vista/Server 2008, open the Start menu, select [Control Panel] - [Hardware and Sound], then click [Printers].
- In Windows Server 2003/Windows Server 2003 R2, open the Start menu, then click [Control Panel] - [Printers and Faxes].

3 Click [Add Printer].

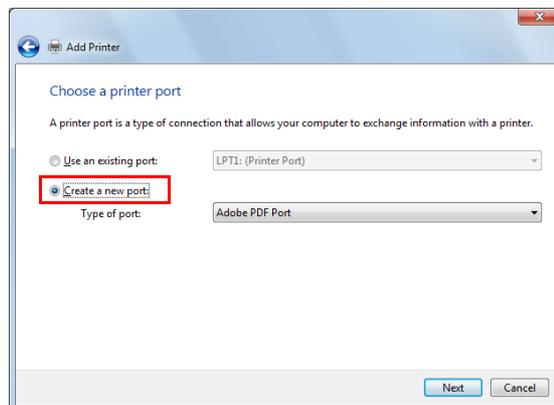
- In Windows Vista, click [Add a printer].
- In Windows Server 2008, double-click [Add Printer].
- In Windows Server 2003/Windows Server 2003 R2, click [Add Printer] - [Next].

4 Click [Add a local printer].

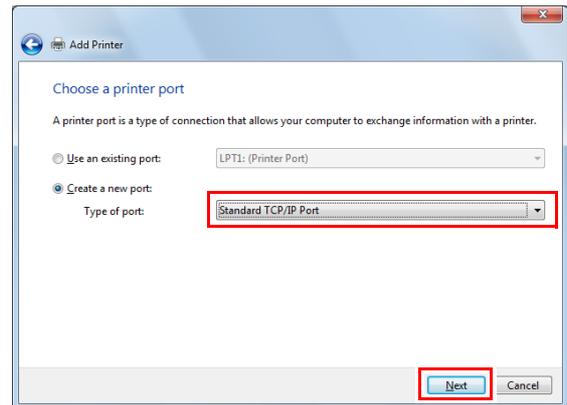
- In Windows 8/Windows Server 2012, select [The printer that I want isn't listed] - [Add a local printer or network printer with manual settings], then click [Next].
- In Windows Vista/Windows Server 2008, click [Add a local printer].
- In Windows Server 2003/Windows Server 2003 R2, select [Local printer attached to this computer], then click [Next].



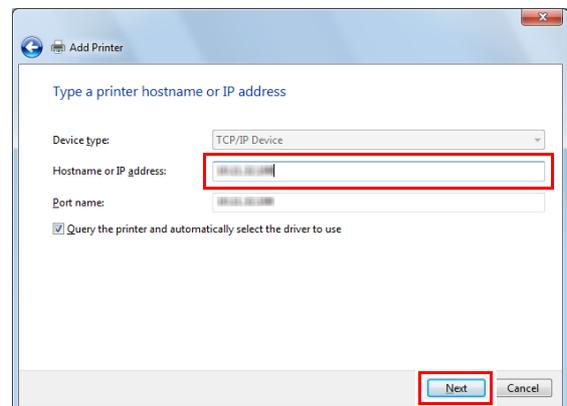
5 Select [Create a new port:].



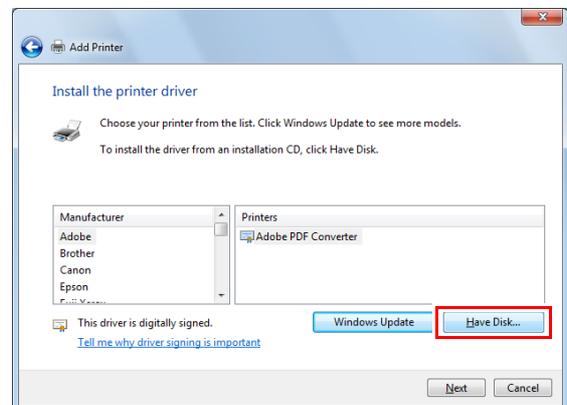
6 In [Type of port:], select [Standard TCP/IP Port], then click [Next].



7 Enter the host name or IP address, then click [Next].

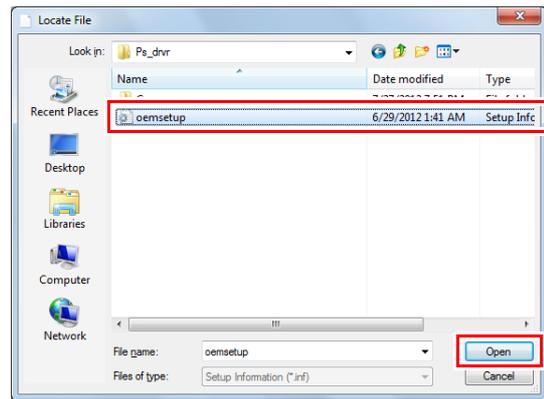


8 Click [Have Disk].

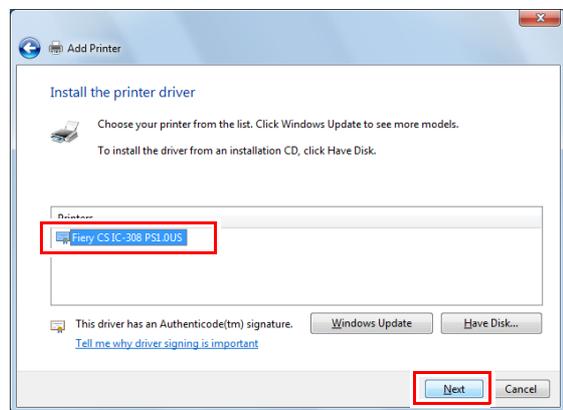


9 Click [Browse].

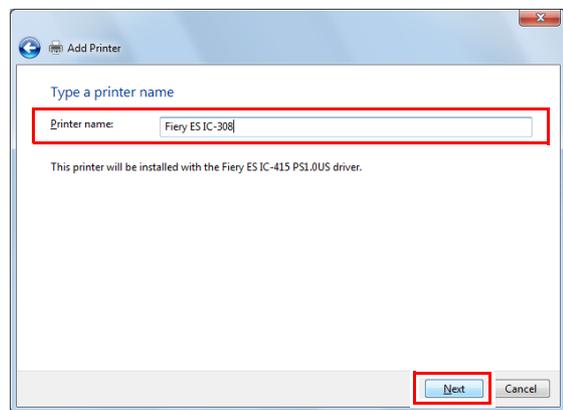
- 10 Select [oemsetup.inf] of the **User Software DVD**, then click [Open].



- 11 Click [OK].
- 12 Select the name of the printer to be installed, then click [Next].

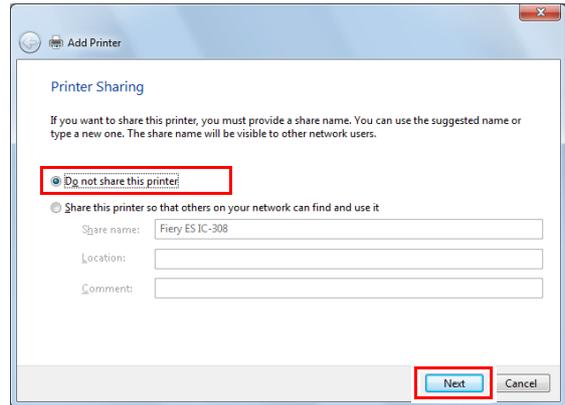


- 13 Enter the printer name, then click [Next].
If the installation confirmation message is displayed, click [Install].



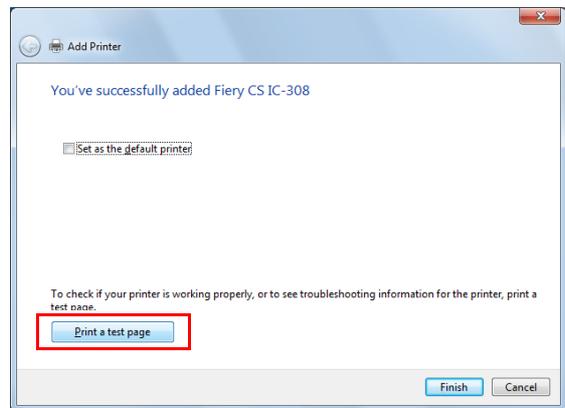
- 14** Select [Do not share this printer], then click [Next].

When using Windows Server 2008/Windows Server 2008 R2/Windows Server 2003/Windows Server 2003 R2 as a printer server, click [Share this printer] so that others on your network can find and use it, then enter the share name.



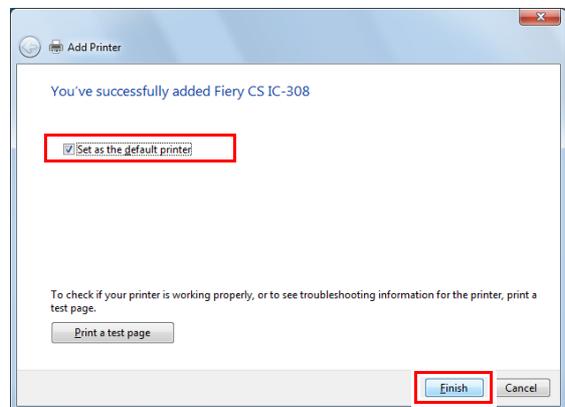
- 15** When printing a test page, click [Print a test page].

Check the test page printing result. Then, click [Close].

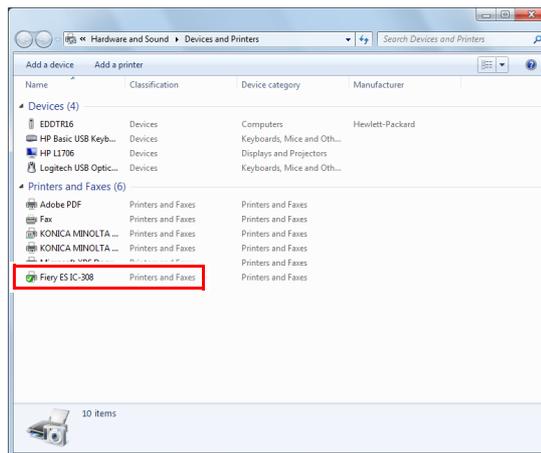


- 16** Select whether to set to a daily-used printer, then click [Finish].

The printer driver is installed.



17 Confirm that the printer name is displayed in [Devices and Printers].
Then, configure the default setting for the printer driver. For details, refer to page 3-7.



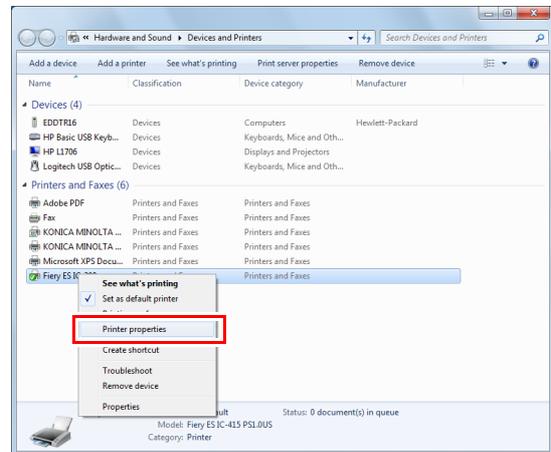
► Default setting

Check that optional information of this machine is configured correctly on the printer driver.

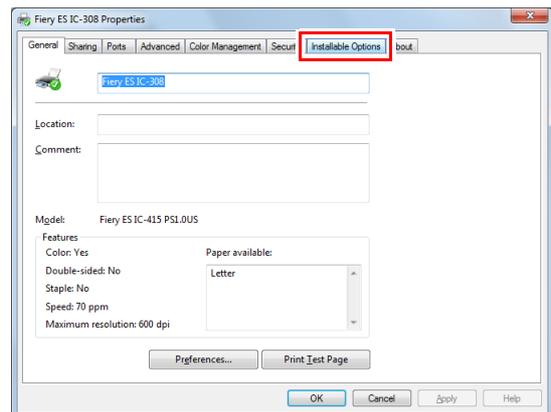
- ✓ If optional information of this machine is not configured correctly on the printer driver, you cannot use optional functions. If any optional function is mounted, be sure to configure a setting.

1 Open [Properties].

Right-click the icon of the installed printer, and click [Printer Properties].

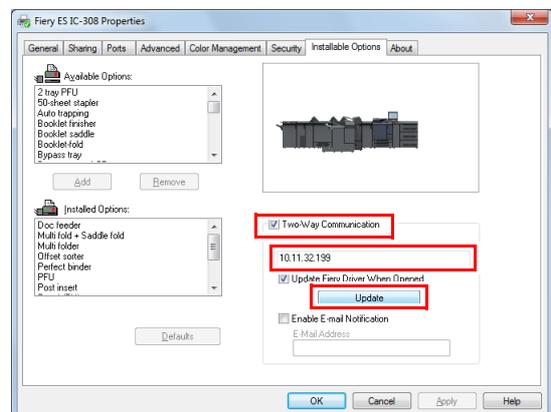


2 Click the [Installable Options] tab.



3 Select the [Two-Way Communication] check box, enter the IP address or DNS name of the printer, then click [Update].

Acquire optional information from the main body, then apply it to the setting of [Installed Options]. If you have failed to acquire optional information, check the network setting.



4 Click [OK].

The optional information setting of the machine is then completed.

In a Macintosh environment

► Installation

Install the printer driver on your computer from the **User Software DVD** supplied with this machine, then add the desired printer to the computer.

This guide describes how to install the PostScript3 driver in a Mac OS X 10.6 environment and add a Bonjour-connected printer.

- ✓ For information about how to add a printer in another connection method (LPR or IPP), refer to the **HTML User's Guide**.
- ✓ A network setting must be configured on this machine before beginning the installation procedure. For details, refer to the **HTML User's Guide**.
- ✓ To carry out this task, the computer's administrator privilege is required.
- ✓ Exit all applications before starting this task.

1 Insert the **User Software DVD** into the DVD drive of the computer.

NOTICE

In OS X 10.7 or later, even when the **User Software DVD** is inserted into the drive, the DVD icon may not be displayed on the desktop. In this case, the mount setting may be disabled. Check whether or not the mount setting is disabled in "Preferences" of Finder.

2 Open the folder that contains the desired printer driver in the DVD.
Select the appropriate folder to fit the printer driver, operating system, and language.

3 Copy the [Fiery Printer Driver.dmg] file to the desktop, then double-click it.
The Disk Image file opens.

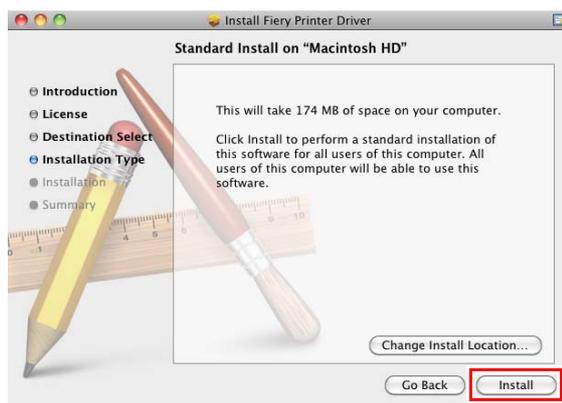
4 Double-click the [Fiery Printer Driver.pkg] file.
The installer starts.

5 Follow the on-screen instructions to click [Continue].

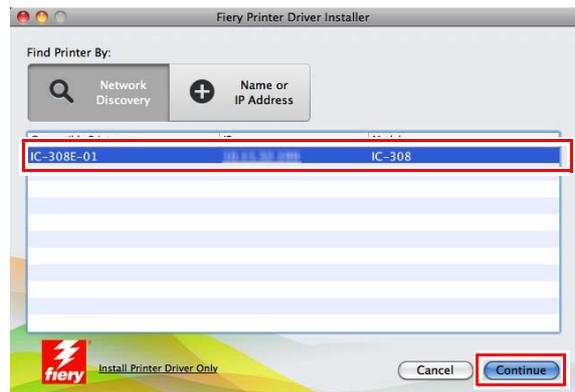
6 Check the license agreement, then click [Agree].

7 If the installation window is displayed, click [Install].

When the screen for entering [Name] and [Password] is displayed, enter the computer administrator's name and password into the respective fields.



- 8 Select the name of the printer to be installed, then click [Continue].



- 9 Enter the printer name, then click [Install].



- 10 When the installation is completed, click [Finish].

To set to a daily-used printer, select the [Set as default] check box.

Then, add a Bonjour-connected printer to your computer.

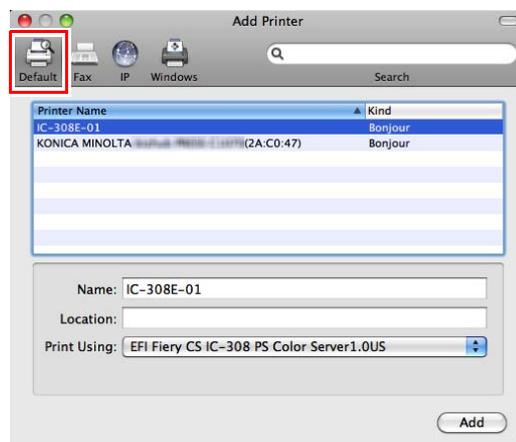


- 11 In the Apple Menu, select [System Preferences], then click the [Print & Fax] ([Print & Scan] in OS X10.7/10.8) icon.

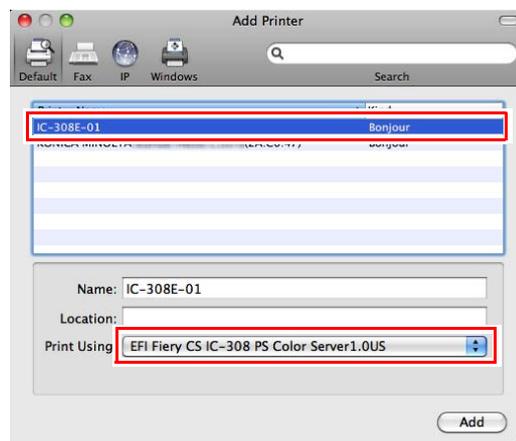
- 12** Click [+].
If the menu appears, select [Add Printer or Scanner].



- 13** Click [Default].
Connected printers are detected. If no printer is detected, restart this machine.

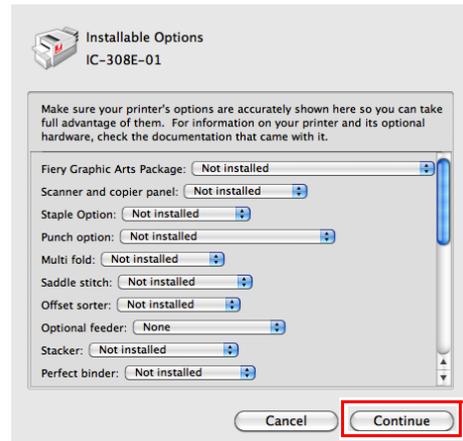


- 14** Specify the Bonjour-connected printer to be added in the [Printer Name] list.
- Specifying a printer displays the appropriate printer driver in the [Driver] field. If the printer driver is not displayed correctly, select [Select Printer Software...], then directly specify the desired printer driver.
 - To check the printer name of this machine, select [Administrator Setting] - [Network Setting] - [NIC Setting] - [Bonjour Setting].



- 15** Click [Add].
- In OS X 10.7/10.8, option information is configured automatically.
 - In OS X 10.6, proceed to Step 16.

- 16 Configure optional information of this machine, then click [OK] or [Continue].
Then, configure the default setting for the printer driver. For details, refer to page 3-11.

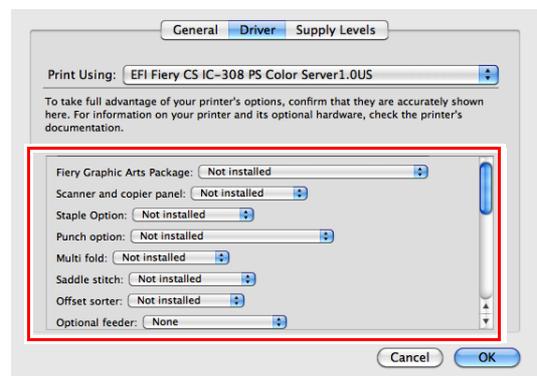


► Default setting

Check that optional information of this machine is configured correctly on the printer driver.

- ✓ If optional information of this machine is not configured correctly on the printer driver, you cannot use optional functions. If any optional function is mounted, be sure to configure a setting.

- 1 In the Apple Menu, select [System Preferences], then click the [Print & Fax] ([Print & Scan] in OS X10.7/10.8) icon.
- 2 Click [Options & Supplies] - [Print Using].
- 3 Configure optional information of this machine.



- 4 Click [OK].
The optional information setting of the machine is then completed.

3.2 Installing Applications

Operating environment

► **Fiery utility**

Item	Specifications
Operating System	Windows Server 2003, Windows Server 2003 R2, Windows Vista, Windows Server 2008, Windows Server 2008 R2, Windows 7, Windows 8, Windows Server 2012 Mac OS X 10.6/10.7/10.8
CPU	Windows: Pentium4 1GHz or higher Macintosh: PowerPC® G5 or multi-core Intel® processor
HDD	3GB or more
Memory	1GB or more / Memory capacity as recommended for your operating system The memory must have sufficient free space to support the operating system and applications.
Display	1024 × 768 pixels or more
Drive	DVD drive
Network environment	The TCP/IP protocol setting must be configured correctly.

Fiery Utility setup

► **Function overview**

✓ Job management

Fiery Utility is an application that is used to operate print jobs or scanned data on a computer.

Fiery Utility provides the following four types.

Fiery Utility	Description
Fiery Command Work-Station	Manages jobs and image controller via the network.
Fiery Printer Delete Utility	Completely deletes the printer driver from the computer.
Fiery Remote Scan	Initiate scanning remotely, retrieve the scanned files from the mailbox and save them to the computer, and open the scanned file in a host application for editing purposes. In addition, use the folder mapping function to access the scanned data stored in the E-mail box of the Image Controller directly from a computer.
Fiery Hot Folders	Sets attributes to any folder on the computer, and automatically sends data that has been dragged and dropped in the folder to the image controller. Because the print attributes frequently used are stored in a folder in advance, you do not need to specify attributes for each printing, enabling to work in an efficient manner.

 **Reference**

For details, refer to the User's Guide supplied with the **Fiery Color Server**.

In a Windows environment

► Installation

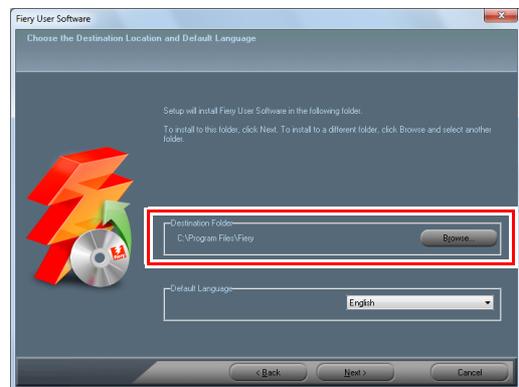
Start the installer from the **User Software DVD** supplied with this machine, then install **Fiery Utility** on your computer.

✓ To install, the computer's administrator privilege is required.

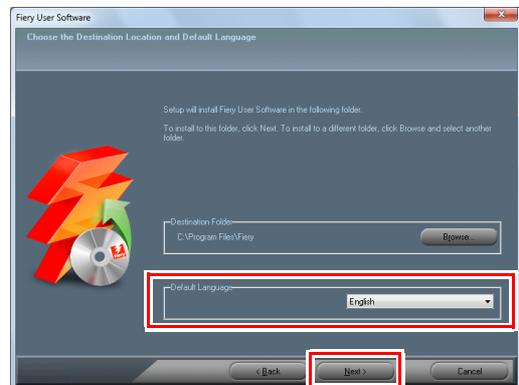
- 1 Insert the **User Software DVD** into the DVD drive of the computer.
 - If the installer does not start, double-click [MasterInstaller.exe] on the DVD, then proceed to Step 2.
 - When the [User Account Control] window is displayed, click [Continue] or [Yes].

- 2 Check the license agreement, click [I accept the terms of the license agreement], then click [Next].

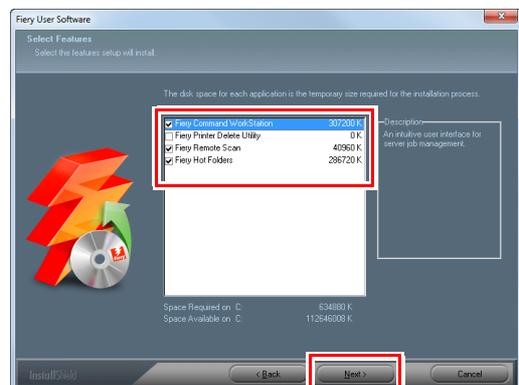
- 3 Check the destination folder.
To change the destination folder, click [Browse...] to specify the desired folder.



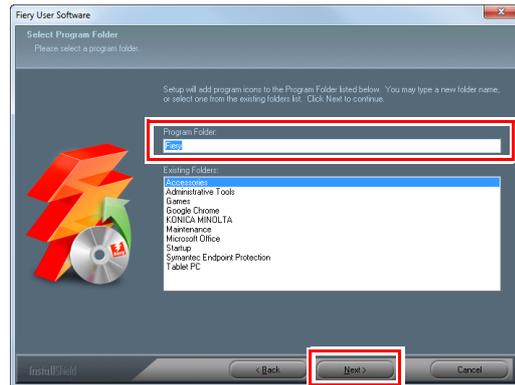
- 4 Select a language, then click [Next].



- 5 Select the check box of the software to be installed, then click [Next].



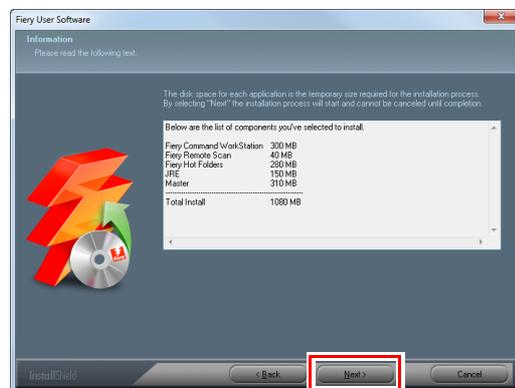
- 6 Confirm the program folder name, then click [Next].



- 7 To automatically start **Fiery Command WorkStation** when logging on to the computer, click [Yes]; otherwise, click [No].

- 8 Check the total size of the software to be installed, then click [Next].

If the [Windows Security] window is displayed, click [Install].



- 9 Click [Yes. Now, restart the computer.], then click [Finish].
When the computer restarts, installation is completed.

In a Macintosh environment

► Installation

Start the installer from the **User Software DVD** supplied with this machine, then install **Fiery Utility** on your computer. This guide describes how to install **Fiery Command WorkStation**.

- 1 Insert the **User Software DVD** into the DVD drive of the computer.

NOTICE

In OS X 10.7 or later, even when the **User Software DVD** is inserted into the drive, the DVD icon may not be displayed on the desktop. In this case, the mount setting may be disabled. Check whether or not the mount setting is disabled in "Preferences" of Finder.

- 2 Copy the [Fiery Applications.dmg] file to the desktop, then double-click it.
The Disk Image file opens.

- 3 Double-click the [Fiery Command Workstation] file.

The installer starts.

- For [Fiery Remote Scan], double-click [Fiery Remote Scan].
- For [Fiery Hot Folders], double-click [EFI Hot Folders].

- 4 Select the [I agree to the EFI Terms Of Service] check box.

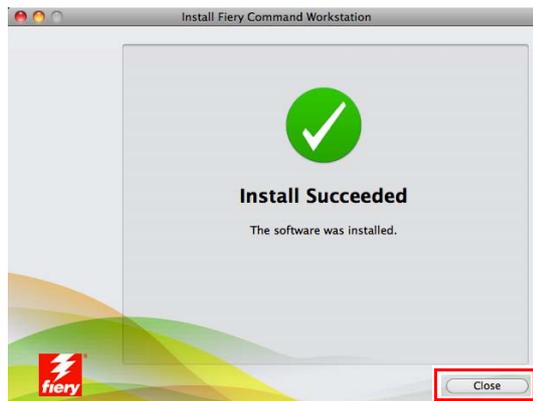


- 5 Click [Install].

The screen for entering [Name] and [Password] is displayed during processing. Enter the computer administrator's name and password into the respective fields.



- 6 When the installation has been completed, click [Close].
Installation is completed.



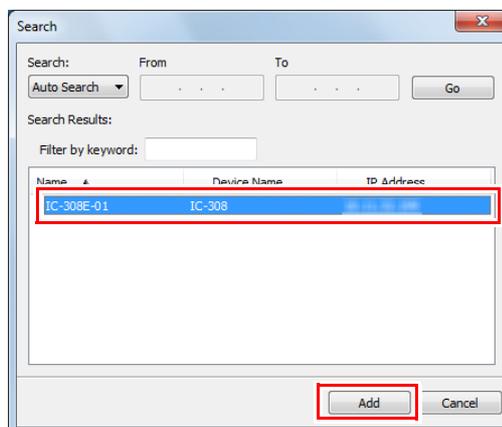
Starting applications

▶ Starting Fiery Command WorkStation

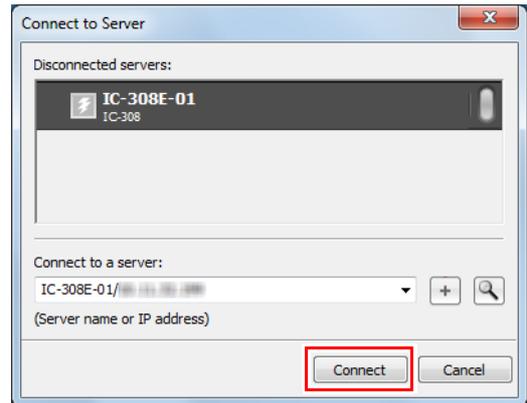
To start **Fiery Command WorkStation**, first perform the login procedure.

- 1 Start **Fiery Command WorkStation**.
 - In Windows 7/Windows Vista/Windows Server 2008 R2/Windows Server 2008/Windows Server 2003/Windows Server 2003 R2, open the Start menu, then click [All Programs] - [Fiery] - [Fiery Command WorkStation 5].
 - In Windows 8/Windows Server 2012, click [Fiery Command WorkStation 5] on the Start screen.
 - In Macintosh, select [Go] menu - [Applications] - [Fiery] - [Command WorkStation 5], then double-click [Command WorkStation].

- 2 Select a Fiery to be connected, then click [Add].
You can also specify any subnetwork or the IP address range to search for the desired Fiery. For details, refer to the User's Guide supplied with the **Fiery Color Server**.



3 Click [Connect].



4 Select the user privileges, then enter the password.

- For user privileges, you can select the following items.
Administrator: Can perform all operations.
Operator: Can only perform job operations.
Guest: Can view information only.
- The default password is "Fiery.1".
If [Operator] or [Guest] is selected for user privileges, you do not need to enter the password.



5 Click [Login].

Fiery Command WorkStation starts.

▶ **Starting Fiery Remote Scan**

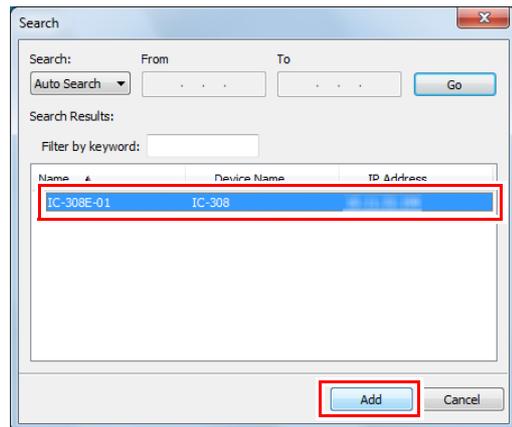
To start **Fiery Remote Scan**, first select a Fiery to be connected.

1 Start **Fiery Remote Scan**.

- In Windows 7/Windows Vista/Windows Server 2008 R2/Windows Server 2008/Windows Server 2003/Windows Server 2003 R2, open the Start menu, then click [All Programs] - [Fiery] - [Fiery Remote Scan 6].
- In Windows 8/Windows Server 2012, click [Fiery Remote Scan 6] on the Start screen.
- In Macintosh, select [Go] menu - [Applications] - [Fiery] - [Fiery], then double-click [Fiery Remote Scan].

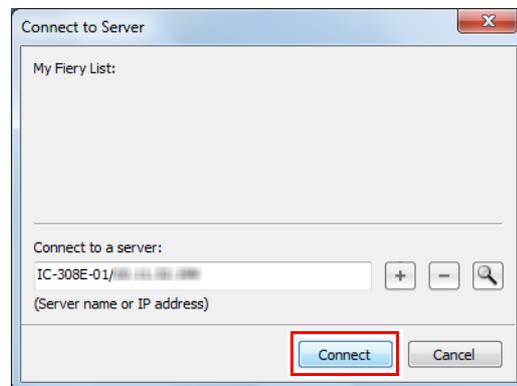
2 Select a Fiery to be connected, then click [Add].

You can also specify any subnetwork or the IP address range to search for the desired Fiery. For details, refer to the User's Guide supplied with the **Fiery Color Server**.



3 Click [Connect].

Fiery Remote Scan starts, and you can import a scan file.



▶ **Starting Fiery Hot Folders**

→ Start **Fiery Hot Folders**.

Fiery Hot Folders starts, and you can configure hot folders.

- In Windows 7/Windows Vista/Windows Server 2008 R2/Windows Server 2008/Windows Server 2003/Windows Server 2003 R2, open the Start menu, then click [All Programs] - [Fiery] - [Fiery Hot Folders].
- In Windows 8/Windows Server 2012, click [Fiery Hot Folders] on the Start screen.
- In Macintosh, select [Go] menu - [Applications] - [Fiery] - [Hot Folders], then double-click [Fiery Hot Folders Console].

4 Basic Operations

4.1 Loading Paper

Loading paper into the main body tray

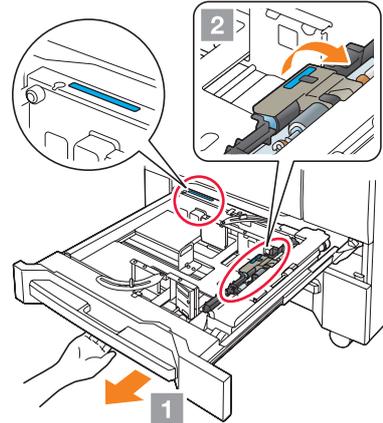
The same paper loading procedure is used for **Tray 1** and **Tray 2**. This section describes how to load paper into **Tray 1**.

- 1 Pull out the tray to load paper into.

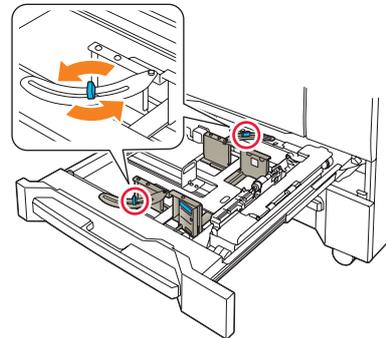
 **NOTICE**

Be sure to pull out the tray fully until a blue label shows on the rear-left side of the tray. Otherwise, the **feed roller** may not open or another machine trouble may occur.

- 2 Open the **feed roller**.

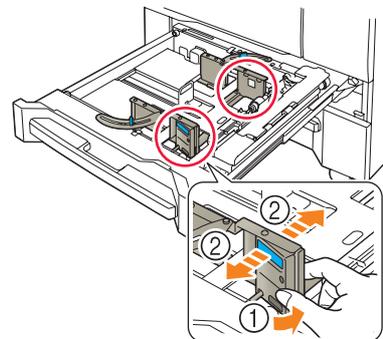


- 3 Turn two **side guide lock knobs** (in the front and rear sides) counterclockwise to loosen them.

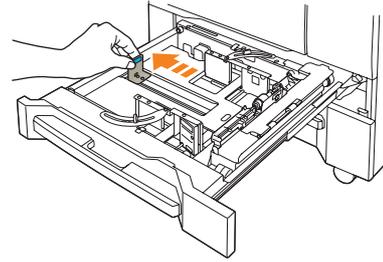


- 4 While pressing the **side guide lock release lever** (①), slide it to any position (②).

- Slide both the front and rear **side guide plates**.
- Determine their locations based on the size indicator of the bottom plate of the tray.



- 5** Slide the **rear guide plate** to any position.
Determine their locations based on the size indicator of the bottom plate of the tray.

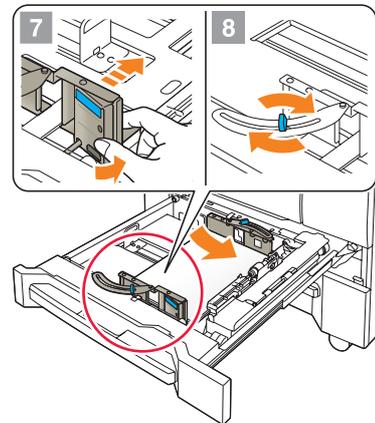


- 6** To fix the **side guide plates** at the correct locations, load an appropriate amount of paper into the tray while aligning it to the right-hand side of the tray.

NOTICE

Load paper with the print side facing down.

- 7** Press the **side guide plate** against the paper.
8 Turn two **side guide lock knobs** (in the front and rear sides) clockwise, and fix them.



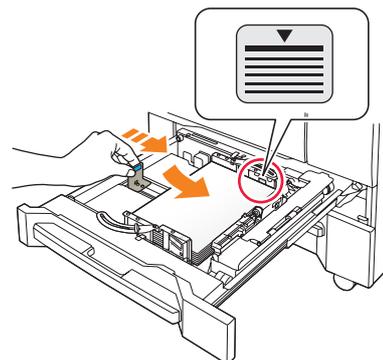
- 9** Load the remaining paper into the tray, then press the **rear guide plate** against the paper.

NOTICE

Do not load more than 500 sheets (80 g/m² / 21 lb Bond) into Tray 1, and more than 1,000 sheets (80 g/m² / 21 lb Bond) into Tray 2. Also, do not load paper above the ▼ mark that indicates the height limit on the **side guide plate**. Otherwise, a paper jam may occur.

Be sure that the **rear guide plate** is securely pressed against the paper. If there is any gap between the **rear guide plate** and the paper, this machine will not be able to detect the correct paper size. It may cause a paper feeder machine error.

Check paper for kinks. Otherwise, a paper jam may occur.



- 10** Close the tray.
Push the tray in until it locks into place.
The amount indicator changes from  to  in the tray information display area of the [MACHINE] or [COPY] screen.

NOTICE

Carefully close the tray. Otherwise, the machine may be subjected to an unexpected impact due to the tray or paper weight, which may lead to a machine error.

Loading paper into the Paper Feeder Unit PF-602m

The following describes how to load paper into an optional **Paper Feeder Unit PF-602m**. The same paper loading procedure is used for **Tray 3** and **Tray 4**.

Reference

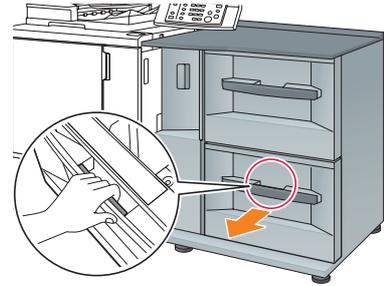
For information about how to load paper into other optional paper feeder unit, refer to the **HTML User's Guide**.

- 1 Pull out the tray to load paper into.

NOTICE

Trays can be pulled out only when this machine is turned on. Before pulling out the target tray, check that the **sub power switch** is turned on.

In order to prevent the machine from falling down, only one tray can be pulled out at a time.



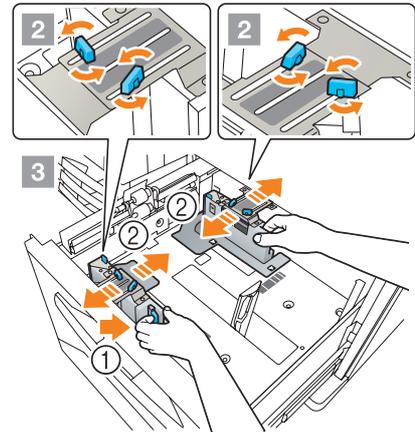
- 2 Turn the **side guide lock knobs** (4 pieces) counterclockwise to loosen them.

- 3 While pressing the **side guide lock release lever** (①), slide the **side guide plates** to any positions (②).

Determine their locations based on the size indicator of the bottom plate of the tray.

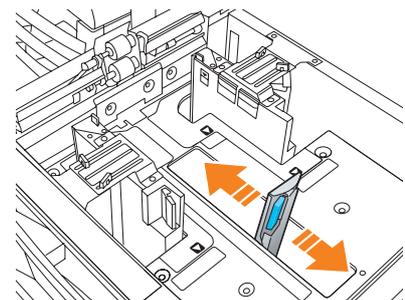
NOTICE

To slide the **side guide plates**, be sure to hold both **side guide plates** together. If you move it by holding only either of the **side guide plate**, the **side guide plate** that held may become displaced.



- 4 While pressing the **rear guide lock release lever**, slide the **rear guide plate** to any positions.

Determine their locations based on the size indicator of the bottom plate of the tray.



- 5 To fix the **side guide plates** at the correct locations, load an appropriate amount of paper into the tray while aligning it to the left-hand side of the tray.

NOTICE

Load paper with the print side facing up.

- 6 Press the **side guide plates** against paper, then turn the **side guide lock knobs** (4 pieces) clockwise to fix them.

- 7 Load the remaining paper into the tray, then press the **rear guide plate** against the paper.

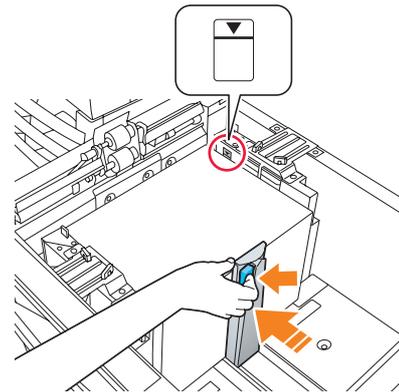
NOTICE

Be careful not to load paper above the ▼ mark that indicates the height limit on the **side guide plate**. Otherwise, a paper jam may occur.

To load paper with the paper width less than 182 mm / 7.165", use the **small size guides** (support guides) built in the **side guide plates**. For information about how to use the **small size guides** (support guides), refer to the **HTML User's Guide**.

Be sure that the **rear guide plate** is securely pressed against the paper. If there is any gap between the **rear guide plate** and the paper, this machine will not be able to detect the correct paper size. It may cause a paper feeder machine trouble.

Load paper with the print side facing up.



- 8 Close the tray.

Push the tray in until it locks into place.

The amount indicator changes from  to  in the tray information display area of the [MACHINE] or [COPY] screen.

NOTICE

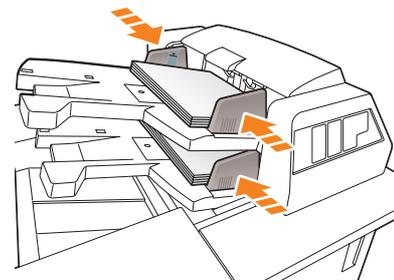
Carefully close the tray. Otherwise, the machine may be subjected to an unexpected impact due to the tray or paper weight, which may lead to a machine error.

Loading Paper in Post Inserter of Folding Unit FD-503

Select [Paper Setting] on the [MACHINE] screen or the [COPY] screen, then change the paper setting of the upper tray or lower tray of the post inserter.

- 1 Load paper into the upper tray or lower tray of the post inserter.

The Amount indicator changes from  to  on the [MACHINE] screen or the [COPY] screen.



- 2 Press the **tray guide plates** against the paper.

NOTICE

Do not load more than 500 sheets (80 g/m²/ 21 lb Bond) for each of the upper and lower trays. Also, do not load above the limit line indicated on the tray guide plates.

4.2 Paper Setting

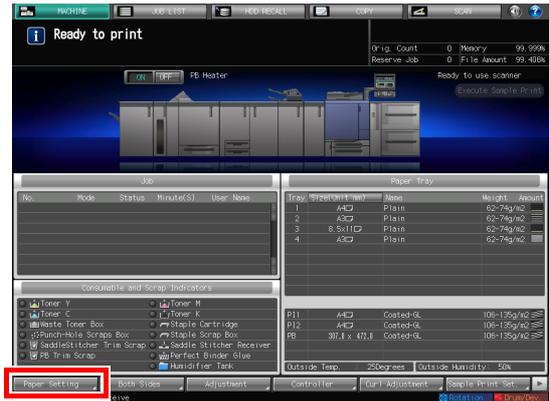
Specifying paper information for a tray

Specify the required information (size, type, weight, and other values) for the paper loaded into a paper tray.

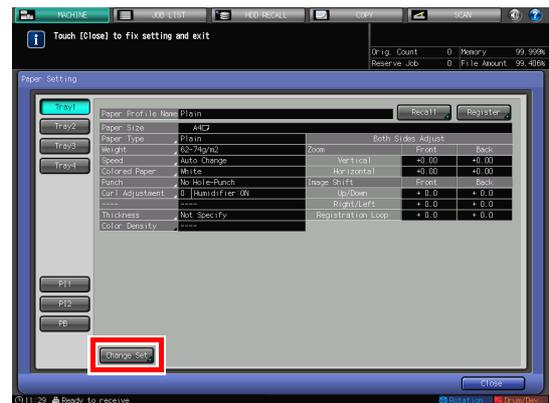
If standard-size paper is loaded, its size is recognized automatically. To load custom-size paper, specify the required size.

- 1 Press [Paper Setting] on the [MACHINE] screen.

You can also press [Paper Setting] on the [COPY] screen to specify the required size.



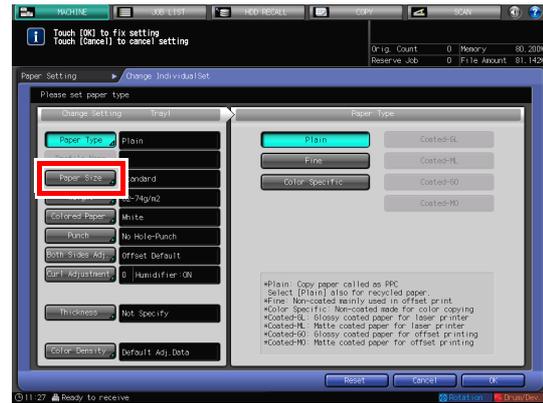
- 2 Select the tray with paper loaded, then press [Change Set].



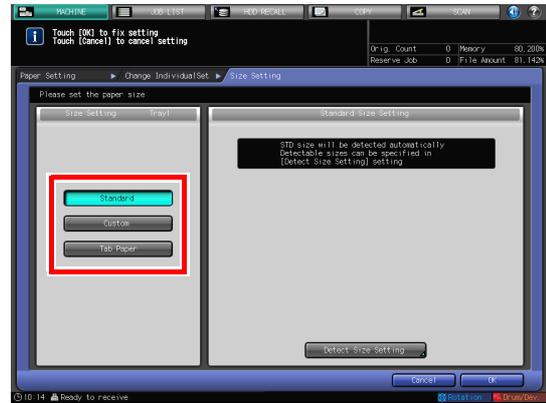
- 3 Press [Paper Type] to select the desired paper type.



4 Press [Paper Size].



5 Select one of the options under Size Setting to fit the paper loaded into the tray.

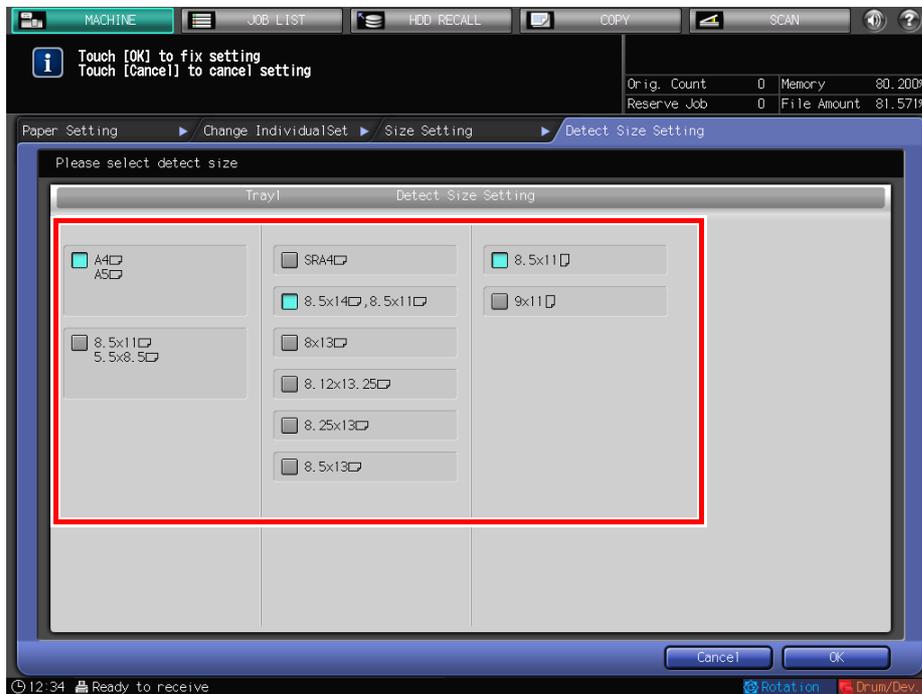


6 Specify the size.

[Standard]: Recognized automatically.

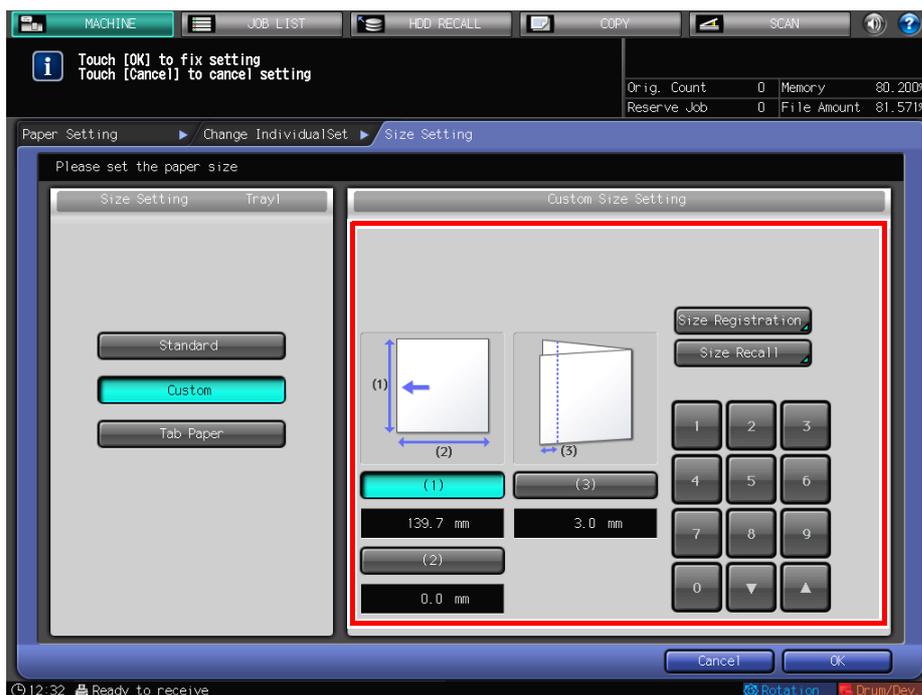
In [Detect Size Setting], you can select the size to be detected.

There is, however, a group of sizes having subtle distinctions, so that the machine cannot distinguish in the operation of size detection. To identify these sizes as one size so that they can be judged by the machine, you can select the size to be detected in [Detect Size Setting].

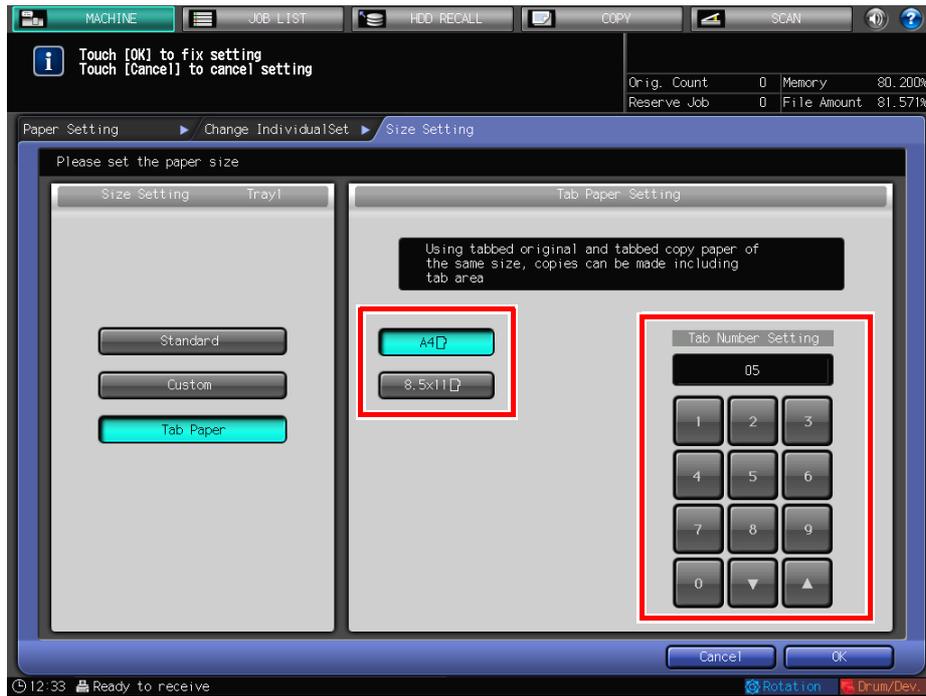


[Custom]: Specify the value in items (1) to (3).

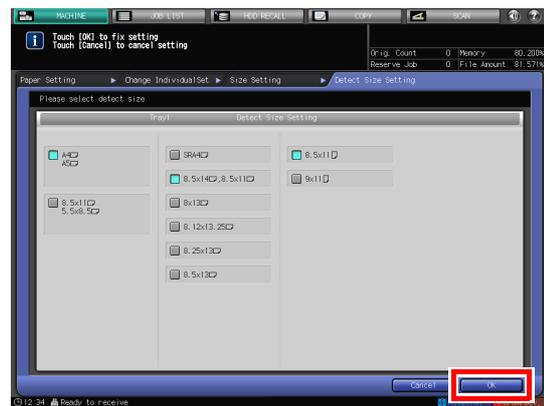
- You can name and register the size specified in [Size Registration].
- To recall the registered size, select [Size Recall].
- Item (3) is not displayed depending on the mounted optional device.



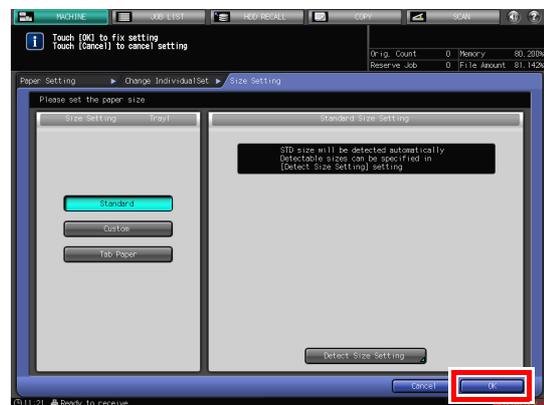
[Tab Paper]: Specify the paper size and the number of tabs.



- 7 If you select [Detect Size Setting] in [Standard], press [OK].
This returns to the [Size Setting] screen.
This step is not required if you select [Custom] or [Tab Paper].



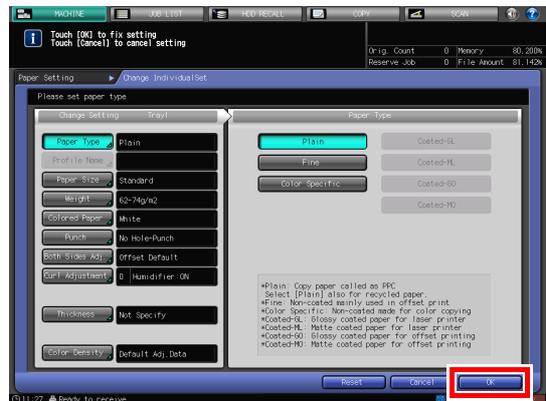
- 8 Press [OK].
This returns to the [Change Individual Set] screen.



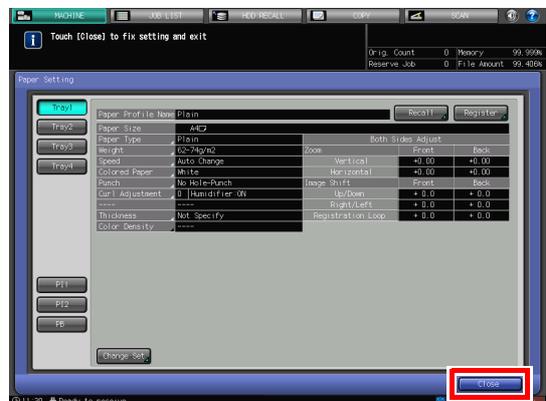
9 Specify other items, if necessary.



10 Press [OK].
This returns to the [Paper Setting] screen.



11 Press [Close].
This returns to the [MACHINE] screen.
If you press [Paper Setting] on the [COPY] screen to specify the paper size, the screen returns to the [COPY] screen.
Paper setting is then completed.



Tips
For details about setting items, refer to the **HTML User's Guide**.

Tips
To register paper conditions in a paper profile, press [Register]. For details about how to register a paper profile, refer to the **HTML User's Guide**.

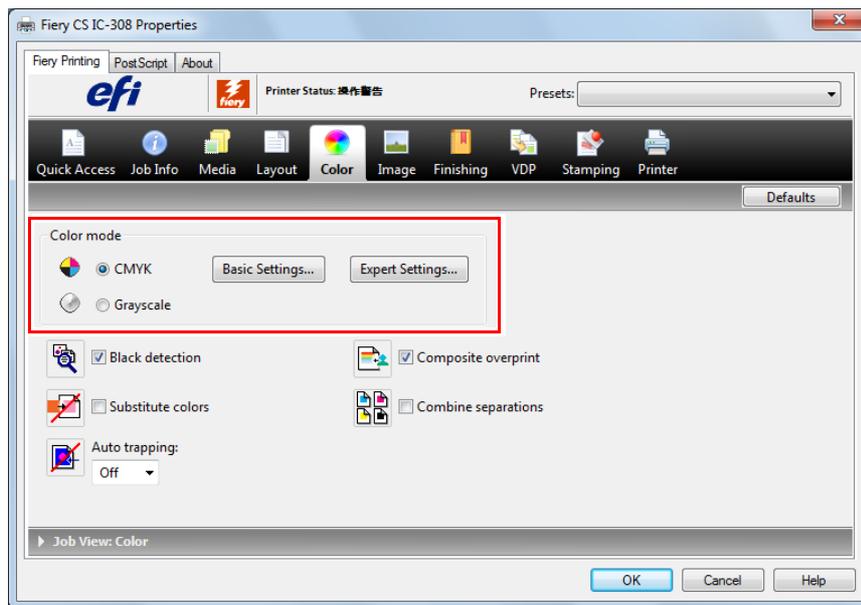
4.3 Printer Driver Setting

Printer driver functions

This section describes how to specify the color mode using the printer driver.

▶ **[Color Mode]: Select an output color**

Open [Color] in the Print Setting screen of the printer driver, then select [Color Mode] from [CMYK] or [Gray Scale].



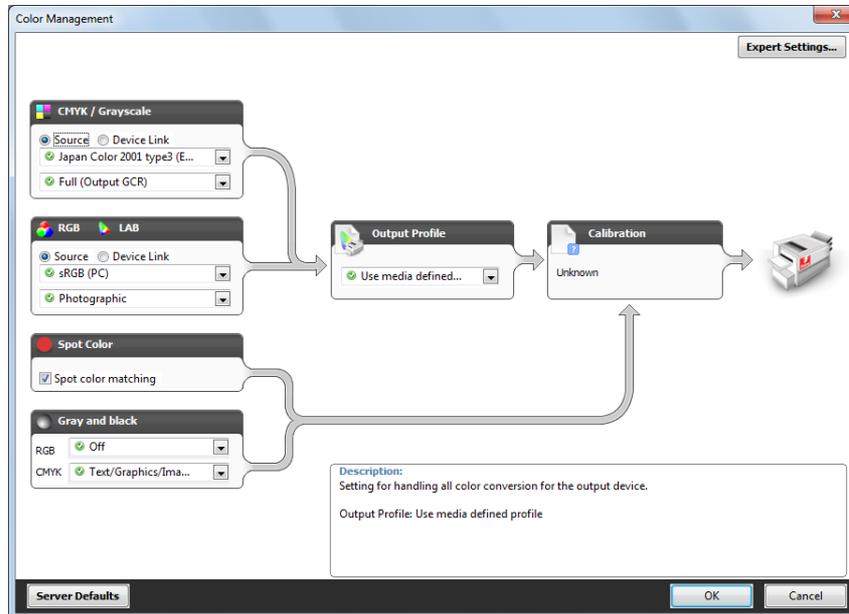
Reference

Before selecting the color mode, execute calibration. For details, refer to page 5-28.

The color mode can also be specified in [Color Setup] of **Fiery Command WorkStation**. For details, refer to the User's Guide supplied with the **Fiery Color Server**.

► **[Color Mode]: General**

To specify the basic defaults for color processing, open [Color] in the Printing Preferences window, then click [Basic Settings]. You can also change the setting for each print job.



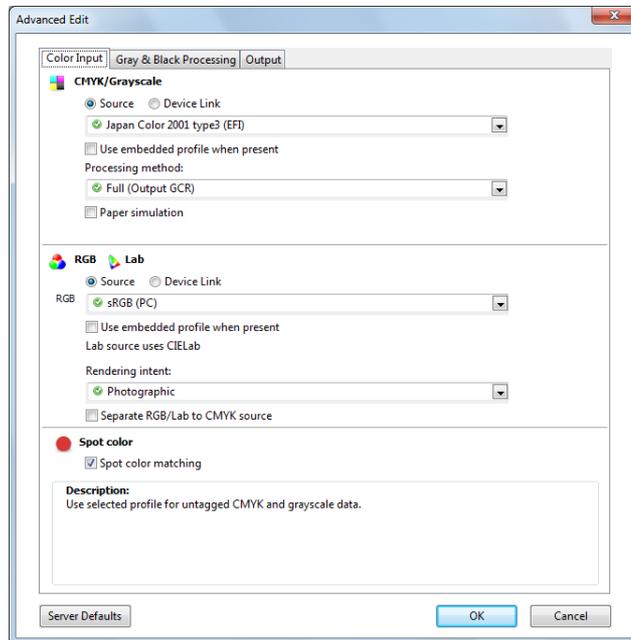
 **Reference**

You also select [Color Setup] of **Fiery Command WorkStation** to configure [Basic Settings] in the color mode. For details, refer to the User's Guide supplied with the **Fiery Color Server**.

▶[Color Mode]: Expert Setting

To set defaults to all items for color processing, open [Color] in the Printing Preferences window, then click [Expert Settings].

You can also change the setting for each print job.



 Reference

You can also select [Color Setup] of **Fierly Command WorkStation** to configure [Expert Settings] in the color mode. For details, refer to the User's Guide supplied with the **Fierly Color Server**.

5 Maintaining the Finishing Quality

5.1 Both Sides Adjustment

Both Sides Adjustment

When performing the duplex printing, you can adjust a misalignment between the front and back sides to align the printing positions on the front and back sides. This task is referred to as Both Sides Adjustment.

A heat impact of the **fixing unit** may cause a slight enlargement or reduction of paper during printing. The impact level varies depending on the type or weight of paper, therefore, if you have changed paper to be loaded into a tray, be sure to carry out the Both Sides Adjustment.



Tips

Two methods are available to carry out the Both Sides Adjustment: entering from [Paper Setting] and from [Both Sides] on the [MACHINE] screen. This guide describes how to enter from [Paper Setting] for adjustment.



Reference

For information about how to enter from [Both Sides], refer to the **HTML User's Guide**.

Adjustment flow

Follow the procedure below to proceed the Both Sides Adjustment.

1

Check the reference position of the print side

To judge whether a print position is misaligned, the required reference position adjustment must be completed on this machine.

Before starting the Both Sides Adjustment, check the adjustment value of the reference position. If necessary, adjust it.

There are the following adjustment items to be checked. To check them, on the [MACHINE] screen, select [Adjustment] - [Machine Adjustment] - [Printer Adjustment].

- [01 Restart Timing Adjustment]
- [02 Centering Adjustment]
- [03 FD-Mag. Adjustment]
- [04 CD-Mag. Adjustment]

First adjust the front side in the order of 03 -> 04 -> 01 -> 02, then adjust the back side in the same order.

For information about how to check or readjust the adjustment value, refer to the **HTML User's Guide**.

2

Making the Both Sides Adjustment for each tray

The following adjustment methods are available.

- Gap Adjustment: the method used for aligning both sides with correction of the back side magnification and print position based on the front side ones. (page 5-2)
- Chart Adjustment: the method used for aligning both sides with correction of the magnification and print position of both front and back side. (page 5-7)
- Zoom and Image Shift Adjustment: the method used for fine adjustment after Gap Adjustment or Chart Adjustment, or the method used when the amount of misalignment between both sides is figured out. (page 5-14)



Reference

If skewing or wrinkling occur during printing, adjust the registration loop amount before making the gap Adjustment, the chart adjustment or the zoom and image shift adjustment. For details, refer to the **HTML User's Guide**.

When the reference position on the print side is adjusted or [Both Sides Adjust] is selected, mark  is printed out on the front sides of charts to be printed, and you can identify from which paper tray the charts are printed out depending on the number of marks. For details, refer to the **HTML User's Guide**.

NOTICE

A high technical skill is required to adjust the reference position on the print side. Before carrying out this adjustment, contact your service representative.

Making the Both Sides Adjustment for each tray

Adjust a misalignment between the front and back sides, which is caused during the duplex printing, for each tray.

The following methods are available to carry out the Both Sides Adjustment.

- Gap Adjustment
- Chart Adjustment
- Zoom and Image Shift Adjustment

It is convenient to adjust the zoom ratio and printing position of the back side using gap adjustment after the zoom ratio and printing position of the front side have been adjusted using the chart adjustment or the zoom and image shift.

Tips

You can register Both Sides Adjustment values in a paper profile with paper conditions specified. If paper conditions are registered, you can carry out printing under the previous conditions even when you have changed a tray to load paper into. For information about how to edit or register a paper profile, refer to the **HTML User's Guide**.

▶Gap Adjustment

To adjust a gap, print out a chart, measure a gap between the front and back sides at the specified measurement point of the back side using a scale to determine the adjustment value, and enter it. (Adjust the zoom ratio and image position of the back side based on the image position of the front side.)

Using this function, you can only enter adjustment values to adjust a gap. This is convenient in order to adjust an unclear misalignment detected on the back side that occurs when performing duplex printing with a new type of paper or when paper in a tray has been changed.

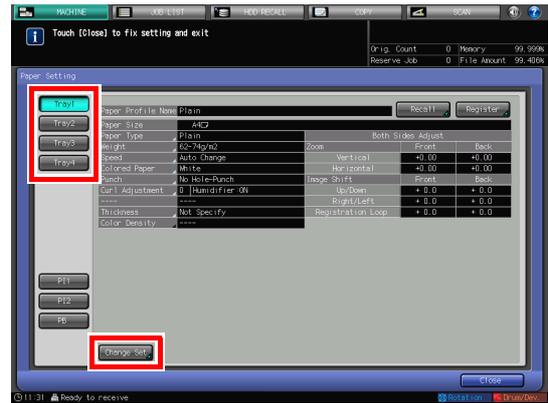
NOTICE

The Gap Adjustment is a simple method to adjust only the zoom ratio and image position of the back side. To also adjust it on the front side, carry out "Chart Adjustment" (page 5-7) or "Zoom and Image Shift Adjustment" (page 5-14).

- 1 Press [Paper Setting] on the [MACHINE] screen.



- 2 Select the tray with the target paper loaded, then press [Change Set].



- 3 Press [Both Sides Adj].



- 4 Press [Print Mode].



- 5 When the [PRINT MODE] screen is displayed, press **Start** on the **control panel**.
A test chart is printed out.

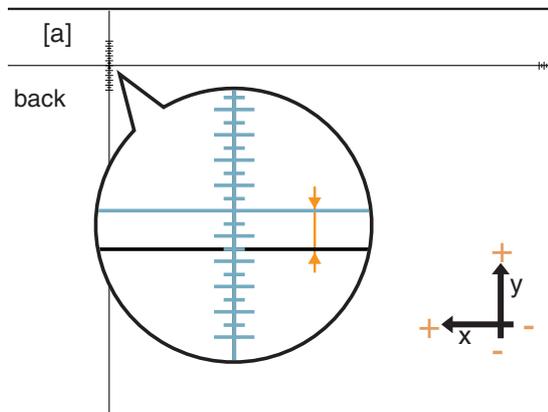


6 Press [Exit Print Mode].



7 Measure a gap between the front and back sides at each point of [a] to [d] on the [back] side of the printed out chart.

- This figure shows an example to measure [a]. The scale resolution is 0.5 mm.
- In this figure, the black line indicates the front side, and the blue line indicates the back side.
- The measurement value can be entered in units of up to 0.1 mm.
- For example, as shown in the figure, if the scale of [a] is misaligned 1.5 mm in the plus side compared with the front side, press [1] - [5] - [+/-] to enter "-1.5" as the adjustment value. Then, the blue line on the back side will be moved 1.5 mm in the minus side.
- Write down the measured values so that you do not forget them.



- 8 Press [a] to [d] of each point, and enter the adjustment value using the keypad, [▼], or [▲] on the screen.
- If the printing position is misaligned to the minus (-) side, enter a positive value (+). If the printing position is misaligned to the plus (+) side, enter a negative value (-).
 - To reset a numeric value, press [Clear].
 - To switch the positive sign (+) and negative sign (-), press [+/-].



- 9 When entry processing is completed, press [Adjustment Start].
- The entered adjustment values are applied.
- If [Back Side Magnification Adjustment] is set to [OFF], the value of [d] (adjustment value of the transverse magnification (Horizontal) on the back side) is not applied.

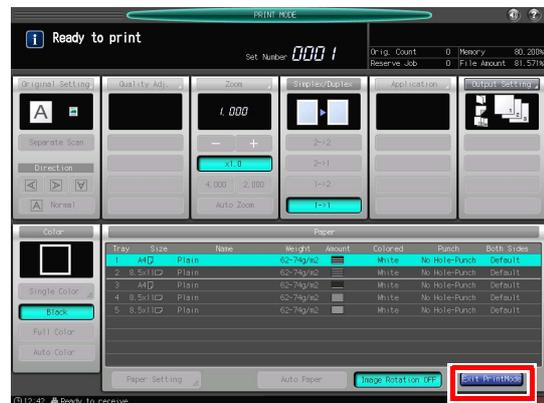


- 10 Press **Start** on the control panel.
- A test chart is printed out.



11 Check a gap of the printing position referring the printed out chart.
Repeat steps 8 to 12 until all gaps between the front and back sides are cleared.

12 Press [Exit Print Mode].



13 After the adjustment is completed, press [OK].

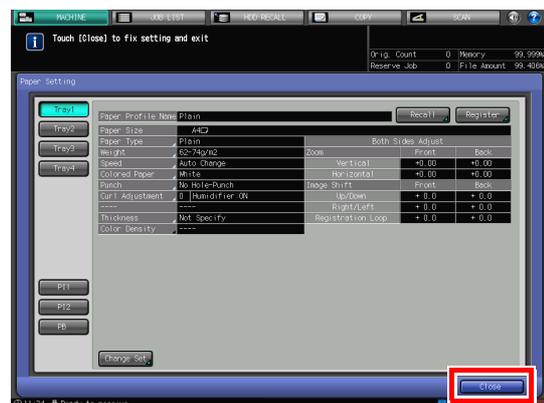
To finely adjust the adjustment value, continuously proceed to step 4 in "Zoom and Image Shift Adjustment" (page 5-14).



14 Press [Close] to exit the adjustment.

Gap adjustment is then completed.

- To register adjustment values in a paper profile, press [Register].
- For details about how to register a paper profile, refer to the **HTML User's Guide**.

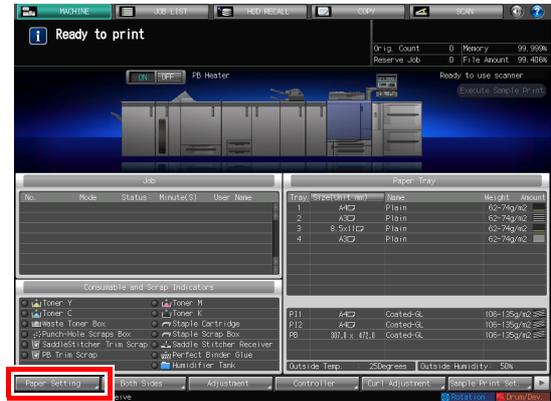


► **Chart Adjustment**

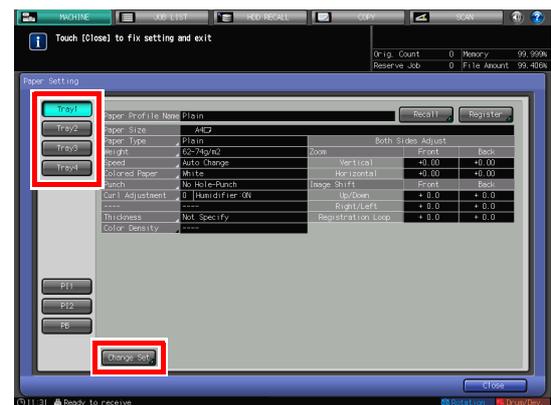
You can print out a Both Sides Adjustment chart, measure measurement points using a scale, and enter measurement values in order to carry out the adjustment.

Using this function, you can only enter measurement values to carry out the both-side adjustment. This is convenient when an unclear misalignment is detected between the front and back sides to perform the duplex printing with a new type of paper or to change paper in a tray.

- 1 Press [Paper Setting] on the [MACHINE] screen.



- 2 Select the tray with the target paper loaded, then press [Change Set].



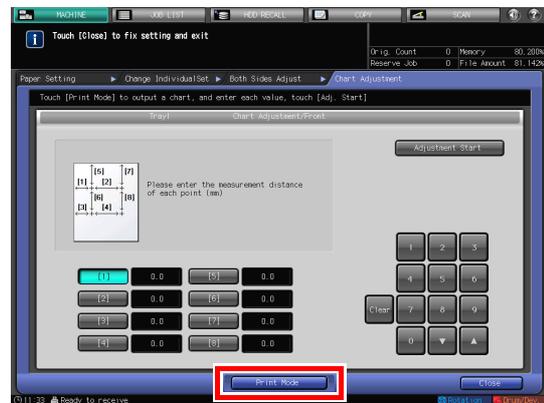
- 3 Press [Both Sides Adj].



- 4 Select [Front], then press [Chart Adjustment].



- 5 Press [Print Mode].



- 6 When the [PRINT MODE] screen is displayed, press **Start** on the control panel.
A test chart is printed out.

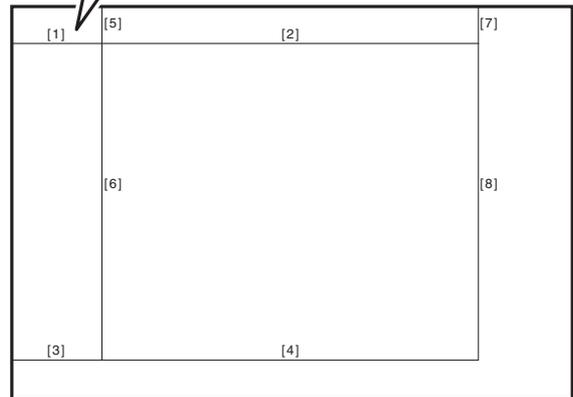
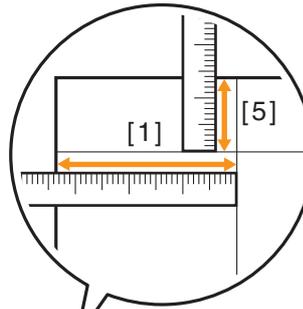


- 7 Press [Exit Print Mode].



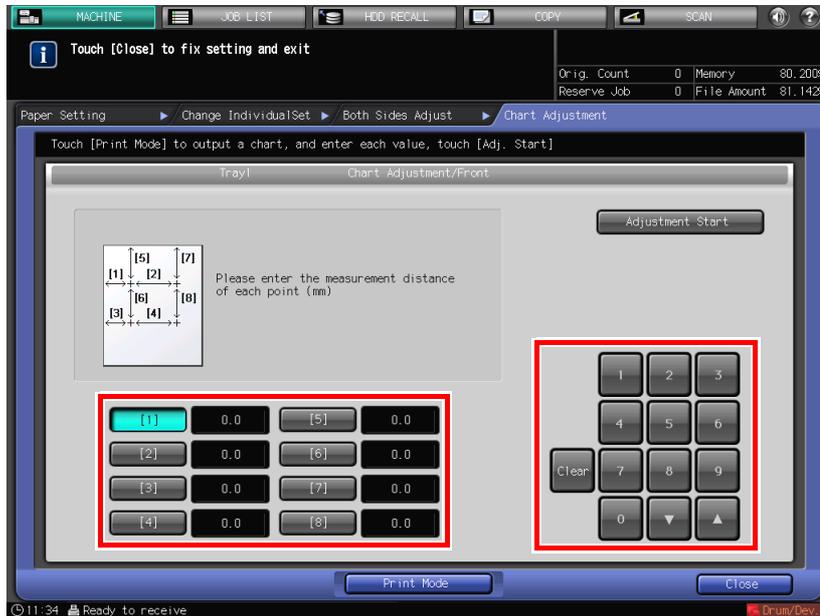
8 Measure the line length at each of points [1] to [8] on the printed-out chart using a scale.

- The figure on the right illustrates an example to measure points [1] and [5]. As illustrated in this example, measure the line length at each printed point.
- The measurement value can be entered in units of up to 0.1 mm.
- Write down the measured lengths so that you do not forget them.

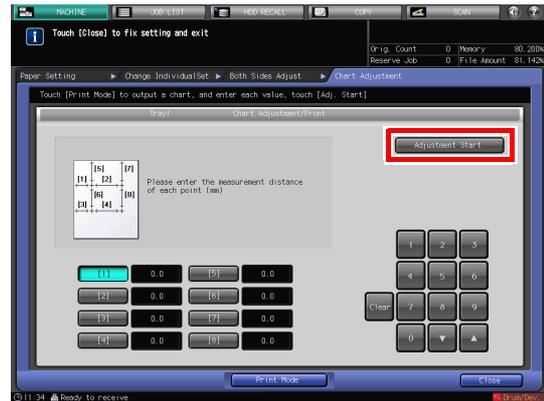


9 Press each point number, then enter the measured length using the keypad, [▼], or [▲] on the screen.

- To reset a value, press [Clear].



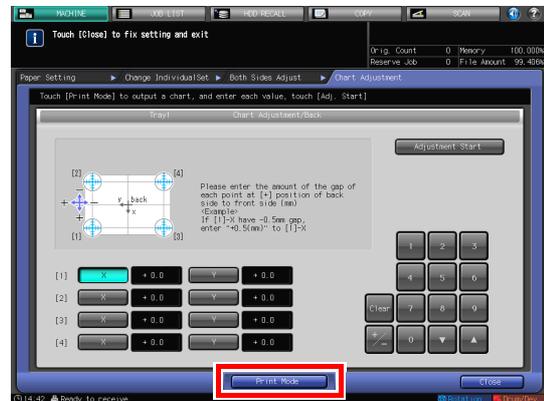
- 10** When entry processing is completed, press [Adjustment Start].
In the next step, adjust the back side.



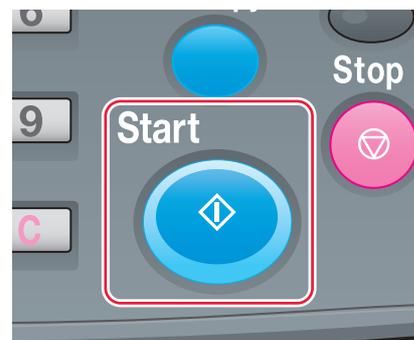
- 11** Select [Back], then press [Chart Adjustment].



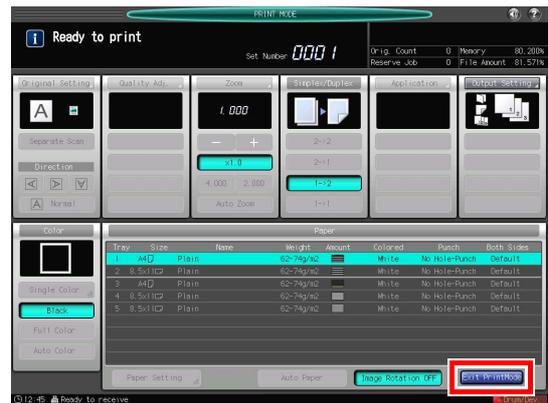
- 12** Press [Print Mode].



- 13** When the [PRINT MODE] screen is displayed, press **Start** on the control panel.
A test chart is printed out.

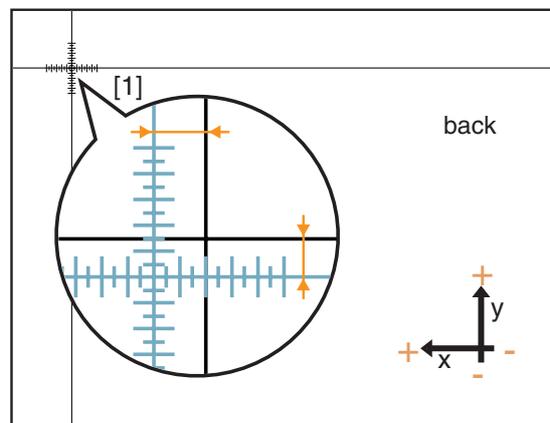


14 Press [Exit Print Mode].

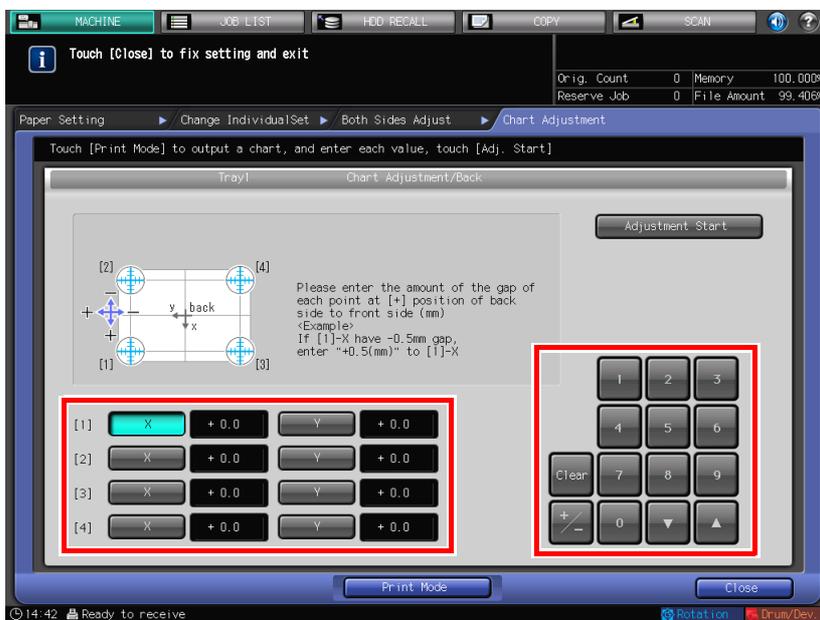


15 Measure a misalignment between the + marks of [1] to [4] printed on the [back] side of the output chart and the + marks on the [front] side.

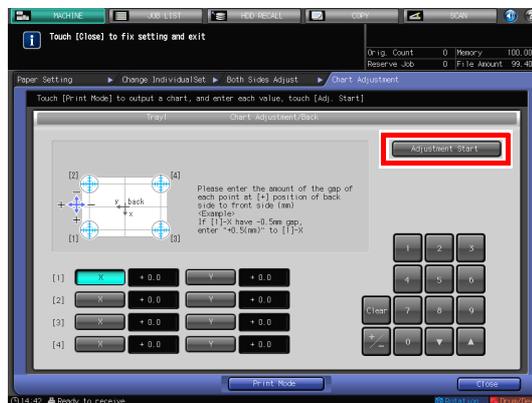
- The figure shows an example to measure [1]. The scale resolution is 0.5 mm.
- In this figure, the black mark + indicates the front side and the blue mark + indicates the back side.
- Measure a misalignment between printing positions in the horizontal direction (X axis) and vertical direction (Y axis).
- The measurement value can be entered in units of up to 0.1 mm.
- For example, as shown in the figure, if + at point [1] is misaligned 2.0 mm in the plus side of the X direction and 1.5 mm in the minus side of the Y direction compared with the front side, press [2] - [0] - [+/-] in the X direction to enter "-2.0" as the adjustment value, and press [1] - [5] in the Y direction to enter "+1.5" as the adjustment value. Then, at point [1], the blue line on the back side will be moved 2.0 mm in the minus side of the X direction and 1.5 mm in the plus side of the Y direction.
- Write down the measured values so that you do not forget them.



- 16** Press [X] or [Y] at each point, and enter the measured numeric value using the keypad, [▼], or [▲] on the screen.
- If the printing position is misaligned to the minus (-) side, enter a positive value (+). If the printing position is misaligned to the plus (+) side, enter a negative value (-).
 - To reset a value, press [Clear].
 - To switch the positive sign (+) and negative sign (-), press [+/-].



- 17** When entry processing is completed, press [Adjustment Start].



- 18** After the adjustment is completed, press [OK].

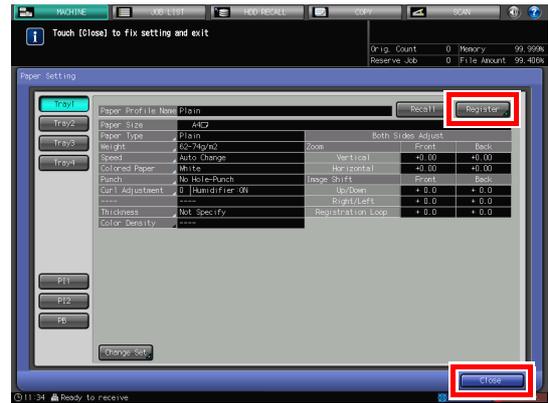
To finely adjust the adjustment value, continuously proceed to step 4 in "Zoom and Image Shift Adjustment" (page 5-14).



19 Press [Close] to exit the adjustment.

Chart Adjustment is then completed.

- To register adjustment values in a paper profile, press [Register].
- For details about how to register a paper profile, refer to the **HTML User's Guide**.

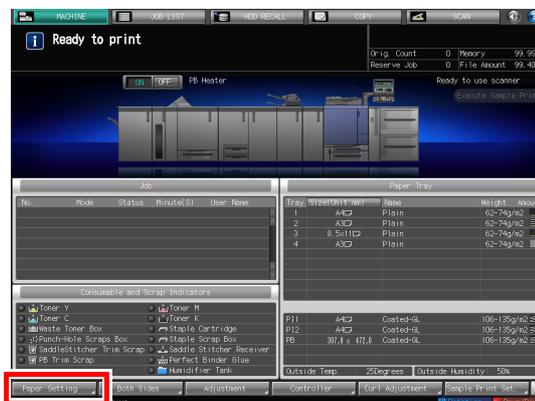


► Zoom and Image Shift Adjustment

You can finely adjust the zoom ratio of the print side and the top, bottom, left, and right positions on the front and back sides.

Using this function can directly enter the adjustment value in percentage or with the required value. This is convenient when you want to carry out fine adjustment after the chart adjustment or you have the duplex printing result.

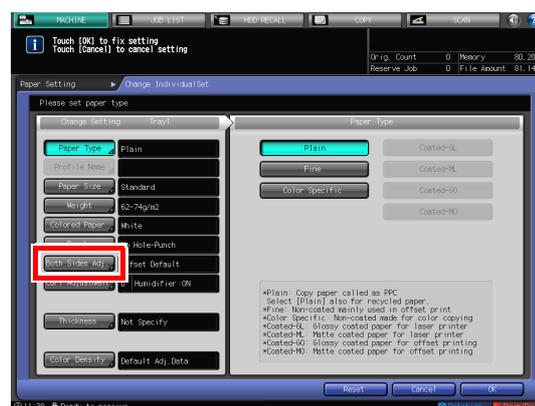
- 1 Press [Paper Setting] on the [MACHINE] screen.



- 2 Select the tray with the target paper loaded, then press [Change Set].



- 3 Press [Both Sides Adj.].



- 4 Press [Front] or [Back] to select the print side to be adjusted.



- 5 Enter the zoom ratio or the image shift value using the keypad, [▼], or [▲] on the screen or the **Keypad** on the **control panel**.

- To specify the zoom ratio, press [Vertical] or [Horizontal], then enter a value. [Vertical] is used to adjust the zoom ratio in the crosswise direction. [Horizontal] is used to adjust the zoom ratio in the paper feed direction. To enlarge the print side, enter the value with a positive mark (+). To reduce it, enter the value with a negative mark (-). The adjustment value changes 0.01% on a 1-step basis. Adjustment Range: [Vertical] -1.00 to +1.00, [Horizontal] -1.00 to +1.00*
* [Horizontal] of [Back] must be specified between -0.80 and +0.20.
- When not adjusting [Horizontal] of [Back], select [User Setting] - [Common Setting], then set [Back Side Magnification Adjustment] to [OFF]. For details, refer to the **HTML User's Guide**.
- To move the print side upward, downward, leftward, or rightward (image shift), press [Up/Down] or [Right/Left], then enter the value. To move the print side upward or rightward, enter the value with a positive mark (+). To move the print side downward or leftward, enter the value with a negative mark (-). The adjustment value changes 0.1 mm on a 1-step basis. Adjustment range: [Up/Down] -10.0 to +10.0, [Right/Left] -3.0 to +3.0
- To switch the positive mark (+) and negative mark (-), press [+/-].
- To reset a value, press [Clear].
- To adjust the zoom ratio and image shift, check the status in the center of a page.



Zoom ratio adjustment example:
 The image on the front side is 10 mm in a lengthwise direction while the image on the back side has been lengthened to 10.1 mm.

- Press [Vertical] of [Back], then press [1][0][0].
- Then, press [+/-] to change the mark to set the adjustment value to [-1.00].

The image on the back side is reduced by 1%.

In this figure, the black mark  indicates the front side and the blue mark  indicates the back side.

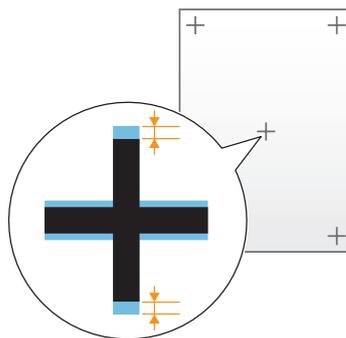
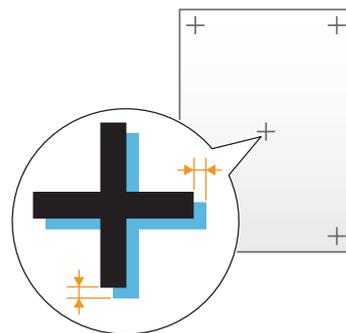


Image shift adjustment example:
 The image on the back side is misaligned 0.5 mm downward and 0.3 mm rightward compared with that on the front side.

- Press [Up/Down] of [Back], then press [5] to set the adjustment value to [+0.5 mm].
- Next, press [Right/Left], then press [3] and [+/-] in sequence to set the adjustment value to [-0.3 mm].

The image on the back side shifts 0.5 mm upward and 0.3 mm leftward.

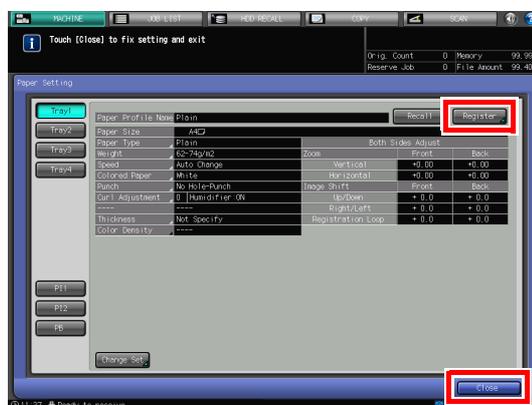


6 After the adjustment is completed, press [OK].



7 Press [Close] to exit the adjustment. Zoom and Image Shift Adjustment is then completed.

- To register adjustment values in a paper profile, press [Register].
- For details about how to register a paper profile, refer to the **HTML User's Guide**.



 **Tips**

If printing positions are misaligned between the front and back sides even after the Both Sides Adjustment has been carried out several times, readjust the reference position on the print side. For details about the adjustment procedure, refer to the **HTML User's Guide**.

5.2 Image Quality Adjustment

Image Quality adjustment

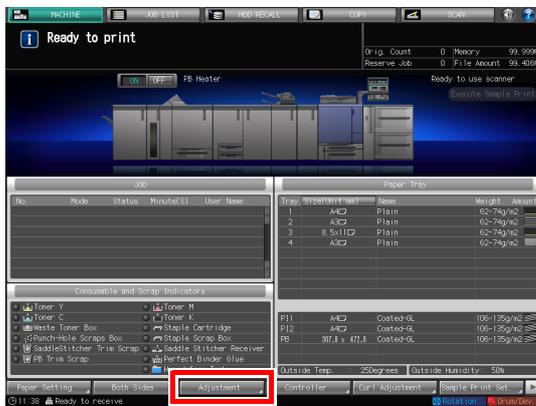
Adjust the color image quality at periodic intervals to maintain consistent printing results against a change in ambient temperature or humidity, a change of this machine conditions, or a change of the color tone due to the paper type or print mode.

This machine provides the following two methods to adjust image quality.

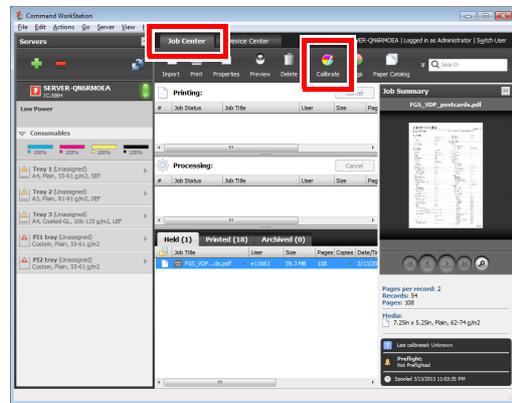
► To manage the daily image quality

Carry out the density adjustment that is typically referred to as calibration.

Two methods are available: To use an optional **Relay Unit RU-509** and to use a colorimeter and **Fieri Command WorkStation** that is the software supplied with the image controller. For details, refer to page 5-18.



Using Relay Unit RU-509



Using Fieri Command WorkStation

► To specify the reference image quality

Execute this method at the time of installation or when changing conditions such as the screen.

If you use this application when you cannot obtain the stable image quality after calibration, the image quality may be enhanced. For details, refer to page 5-31.

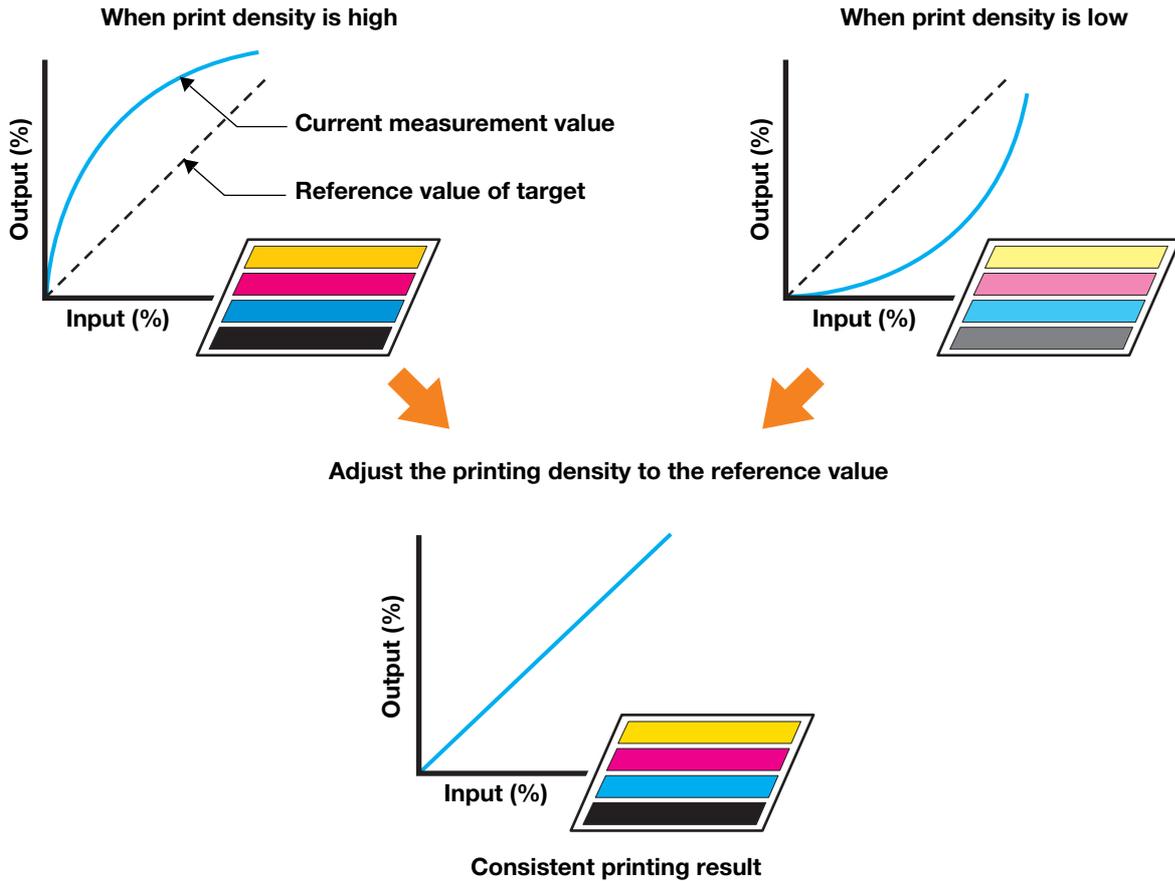
Daily image quality management (Calibration)

The color image quality can be maintained by executing calibration at the appropriate timing.

The reference value (target) of the entire printing system is registered in advance. Compare this reference value with the current measurement value to adjust the difference, and correct the printing density.

NOTICE

The reference image quality must be specified before carrying out daily quality management. Before this processing, adjust the reference image quality (page 5-31).



► **Calibration timing**

Adjust the daily color image quality at the times and in the order shown below. The adjustment method varies depending on whether or not the **Relay Unit RU-509** is installed on the machine.

Daily adjustment flow (Standard) :

This adjustment is required for all customers in daily operations. Carry out adjustments at the following times:

- Thirty (30) minutes after turning this machine on
- Six (6) hours after turning this machine on
- When 1,000 or 2,000 sheets have been printed out
- Immediately before an image, in which the hue is important, is output
- Otherwise, when you think the hue is not correct

Order	Menu item		Description
	Without Relay Unit RU-509	With Relay Unit RU-509	
STEP1	Calibration (page 5-28)	[Color Density Control] (page 5-23)	<p>Calibration: Calibrates the color reproducibility that fluctuates from day to day.</p> <p>[Color Density Control]: Select [Basic Setting], then set [Periodical Adj. Execution] to [ON]. If necessary, execute [Color Density Manual Control].</p>

Daily adjustment flow (High) :

In addition to "Daily Adjustment Flow (Standard)", carry out adjustments in the following cases, in particular:

- Immediately before an image, in which the hue is important, is output
- When the color stability is insufficient (when enhancing the reproducibility)
- When the paper type is different

Order	Menu item		Description
	Without Relay Unit RU-509	Relay Unit RU-509With	
STEP1	[Gamma Automatic Adj.] (Refer to the HTML User's Guide.)	[Color Density Control] (Refer to the right-hand section.)	[Gamma Automatic Adj.]: Automatically adjusts the color reproducibility of all the output paper. [Color Density Control]: <ul style="list-style-type: none"> • Check that [Periodical Adj. Execution] is set to [ON] in [Color Density Control] - [Basic Setting]. • Also, check the setting of [Color Density] for the tray to be used. To check the setting status, press [Paper Setting] on the [MACHINE] screen, select the tray to be specified, then select [Changer Set] - [Color Density]. To use standard paper, set [Default Adj. Data]. When you use special paper or you want to enhance the accuracy of auto adjustment, we recommend that you set [Each Paper Type Color Adj.]. For details, refer to the HTML User's Guide.
STEP2	[Maximum Density Adjustment] (Refer to the HTML User's Guide.)	[Gamma Automatic Adj.] (Refer to the HTML User's Guide.)	[Maximum Density Adjustment]: Enhances the density reproducibility. [Gamma Automatic Adj.]: Automatically adjusts the color reproducibility of all the output paper.
STEP3	Calibration (page 5-28)	[Maximum Density Auto Adjustment] (page 5-21) or [Maximum Density Adjustment] (Refer to the HTML User's Guide.)	Calibration: Calibrates the color reproducibility that fluctuates from day to day. [Maximum Density Auto Adjustment] or [Maximum Density Adjustment]: Enhances the density reproducibility. Select whether to make adjustments automatically or manually.
STEP4	-	[Color Density Control] (page 5-26)	[Color Density Control]: Execute [Color Density Manual Control].

 **NOTICE**

Precautions regarding installing the **Relay Unit RU-509**:

To use [Each Paper Type Color Adj.] in [Color Density Control] while the **Relay Unit RU-509** is installed, execute [Each Paper Type Color Adj.] to configure tray settings before this procedure. For details, refer to the **HTML User's Guide.**

Maximum Density Auto Adjustment

Automatically adjust the maximum density of each of yellow, magenta, cyan, and black, using the output paper density sensor that is installed on the optional **Relay Unit RU-509**. Carry out this function before carrying out the [Color Density Control] function.

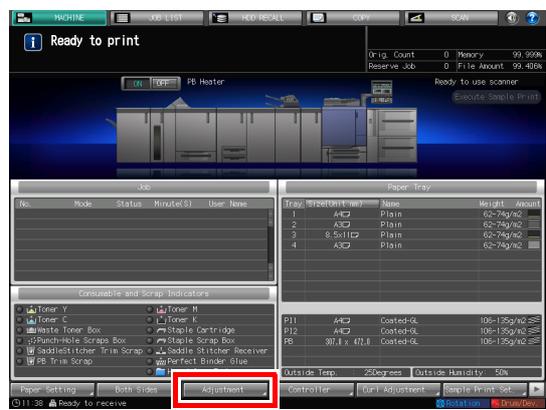
NOTICE

To enable this function, your service representative must specify the target maximum density value (target density) in advance. For more information, contact your service representative.

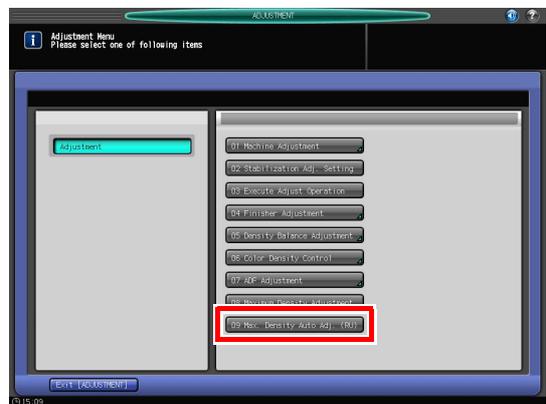
Carry out Maximum Density Auto Adjustment (RU) using the paper that is used to register the target maximum density value (target density).

When [Maximum Density Auto Adjustment] is performed, image stabilization control is carried out if you return to the normal screen. After image stabilization control is completed, you must carry out calibration using the image controller. Then, carry out Color Density Manual Control (page 5-26).

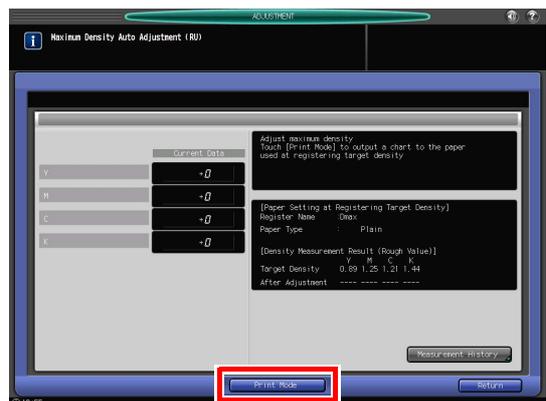
- 1 Press [Adjustment] on the [MACHINE] screen.



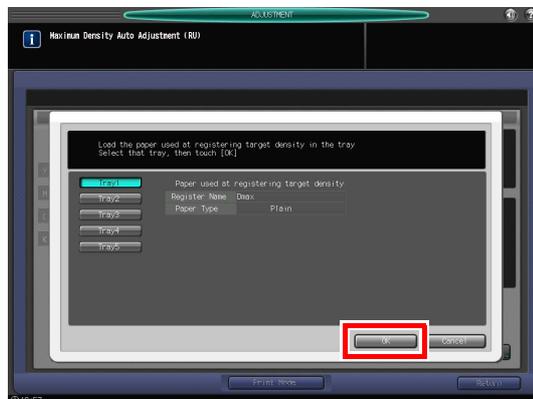
- 2 Press [Max.Density Auto Adj. (RU)].



- 3 Press [Print Mode].



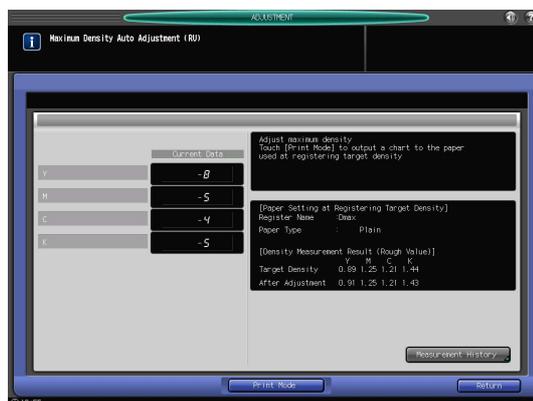
- 4 Load the paper that has been used to register the target density into the tray.
The paper profile of the tray is automatically switched to the paper profile that has been used to register the target density.
- 5 Select the tray containing paper, then press [OK].



- 6 Press **Start** on the **control panel**.
A chart is printed out, and auto adjustment starts. When the adjustment is completed, you return to the [Maximum Density Auto Adjustment (RU)] screen. Adjustment processing cannot be stopped until all charts are printed out.



- 7 When the adjustment is completed, you automatically return to the [Maximum Density Auto Adjustment] screen. Check the adjustment result.
The auto adjustment result is displayed in [Current Data].



- 8 Press [Return] to return to the [Process Adjustment Menu] screen.
Note that the tray remains set to the paper profile that has been used to register the target density.

 **Tips**

If [Maximum Density Auto Adjustment] is carried out, the paper profile of the tray that has been used for auto adjustment is switched to the paper profile that has been used to register the target density, and it is not returned to the paper profile that has been used before adjustment. After the adjustment is completed, return to the original paper profile. After completing this adjustment, you can ask your service representative to configure a setting so that the paper profile automatically returns to that used before adjustment. For more information, contact your service representative.

Then, carry out Color Density Manual Control (page 5-26).

Color Density Control

If an optional **Relay Unit RU-509** is mounted on this machine, you can configure a setting so that this machine automatically executes calibration at periodic intervals.

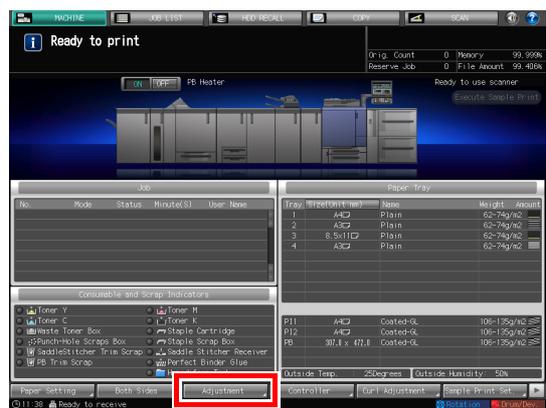
Calibration is executed every arbitrarily specified number of sheets, and you can keep printing using the appropriate density.

Tips

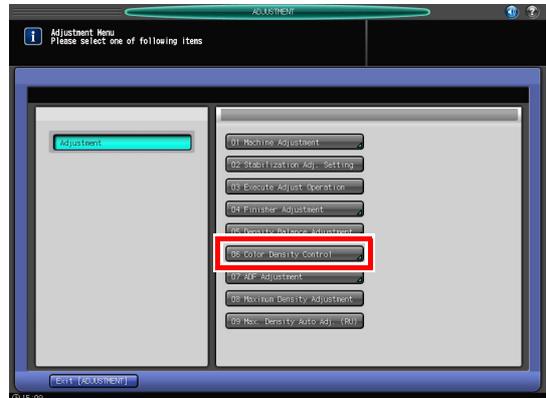
The printed chart is included in the print count.

► Auto setting of Color Density Control

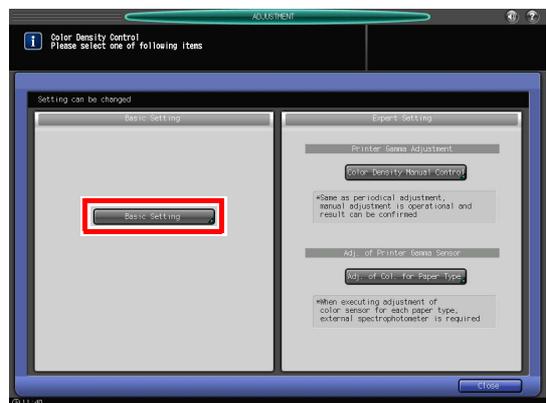
- 1 Press [Adjustment] on the [MACHINE] screen.



- 2 Press [Color Density Control].



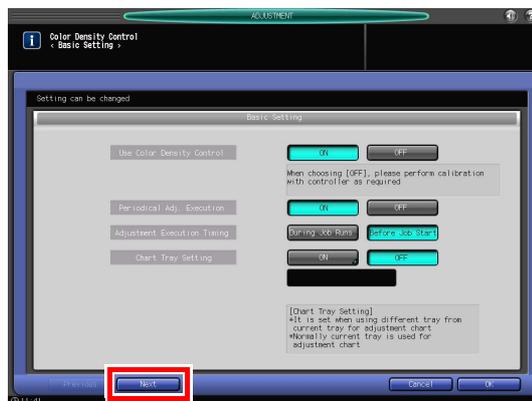
- 3 Press [Basic Setting].



- 4 Specify each item as follows:
- [Use Color Density Control]: [ON]
 - [Periodical Adj. Execution]: [ON]
 - [Adjustment Execution Timing]: [Before Job Start]
 - [Chart Tray Setting]: [OFF]



5 Press [Next].



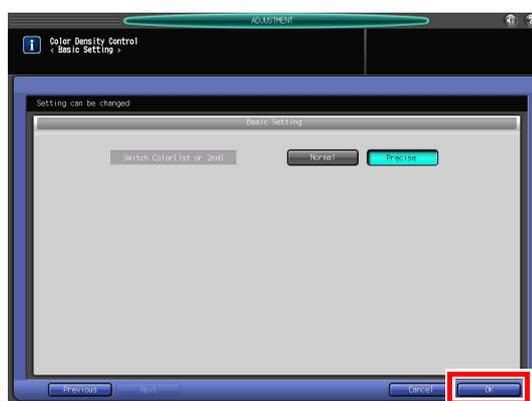
- 6 Specify each item as follows:
 [Switch Color (1st or 2nd)]: [Precise]

NOTICE

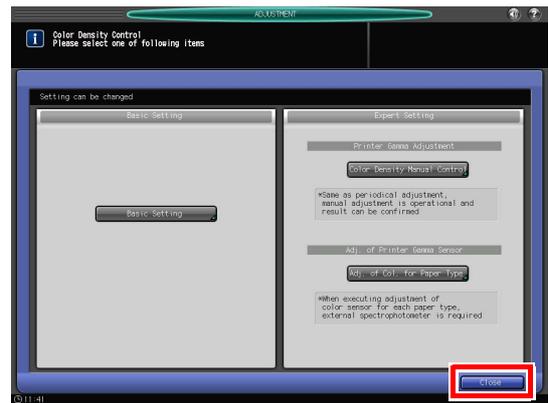
Select [Precise] or [Normal] depending on the situation. To ensure quality, [Precise] is appropriate. For details, refer to the **HTML User's Guide**.



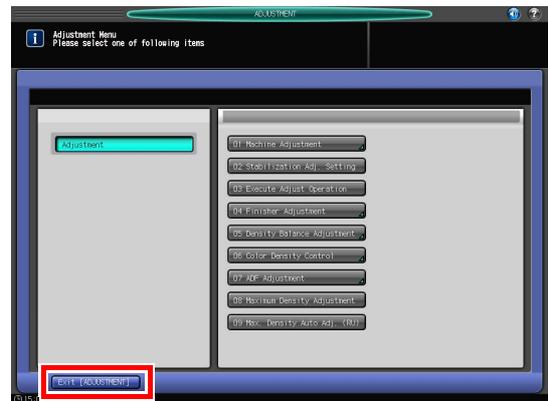
7 Press [OK].



8 Press [Close].



9 Press [Exit [ADJUSTMENT]].
Automatic Adjustment is set.
A chart is printed out periodically, and calibration
is carried out automatically.

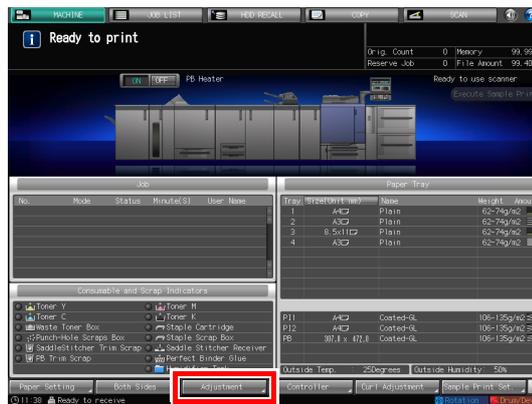


 **Tips**

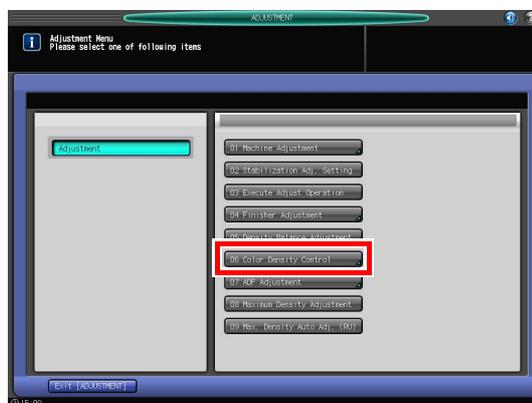
Selecting [Color Density Manual Control] can carry out the manual adjustment.

► Manual setting of Color Density Manual Control

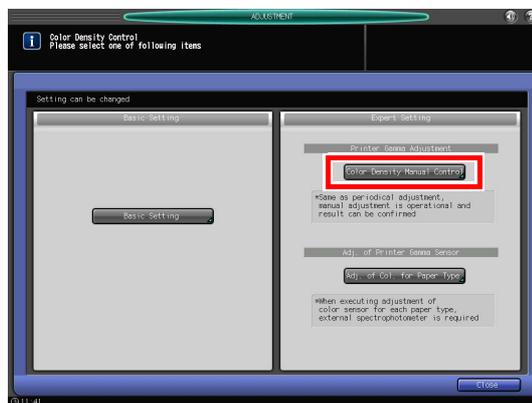
1 Press [Adjustment] on the [MACHINE] screen.



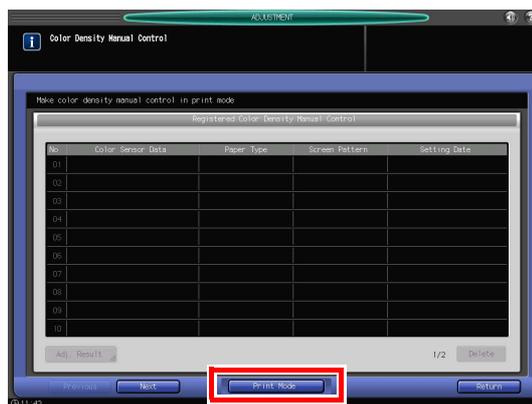
2 Press [Color Density Control].



3 Press [Color Density Manual Control].
This function is available only when [Use Color Density Control] is set to [ON] in [Color Density Control] - [Basic Setting].



4 Press [Print Mode].



5 Press [Quality Adj.].



6 Press [▶] of [Screen Pattern] to select a screen.



7 Press [Close].



8 Press **Start**.
A chart is printed out, and calibration is carried out.

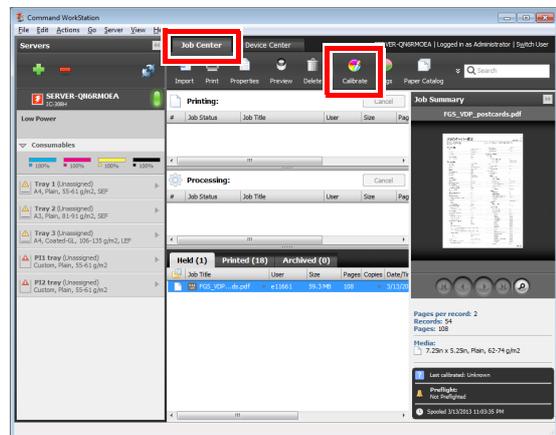
Executing calibration using the image controller

This section describes how to carry out calibration for daily maintenance using **Fiery Command WorkStation** and a colorimeter (**EFI Spectrometer ES-1000**).

Tips

This section describes how to carry out calibration when using coated paper as an example.

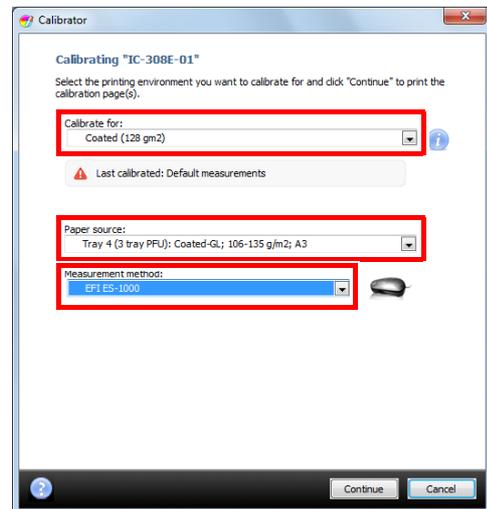
- 1 Use a USB cable to connect **EFI Spectrometer ES-1000** to your computer.
For information about **EFI Spectrometer ES-1000** setting and adjustment, refer to the manual supplied with this machine.
- 2 Start **Fiery Command WorkStation**.
For information about how to start this application, refer to page 3-16.
- 3 Click [Job Center] - [Calibrate] in sequence.
Calibrator starts.



- 4 Select the printing preferences for calibration.
 - Calibrate: Coated
 - Paper source: Paper tray with coated paper loaded
 - Measurement method: EFI ES-1000

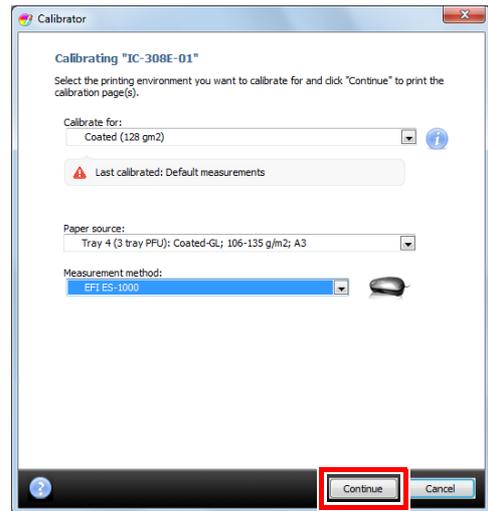
NOTICE

This section describes how to specify a printing environment when using coated paper as an example. Specify a printing environment according to the paper and tray actually used.



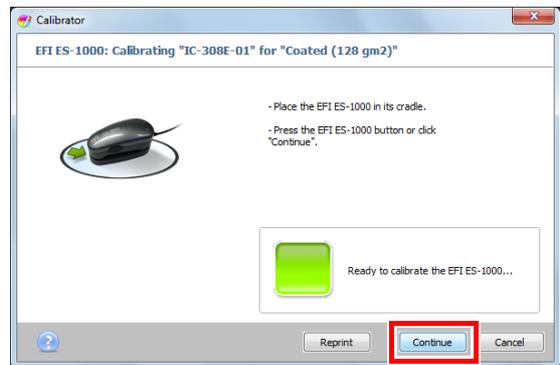
5 Click [Continue].

A chart is printed out in a matter of time after this machine started running.



6 Click [OK].

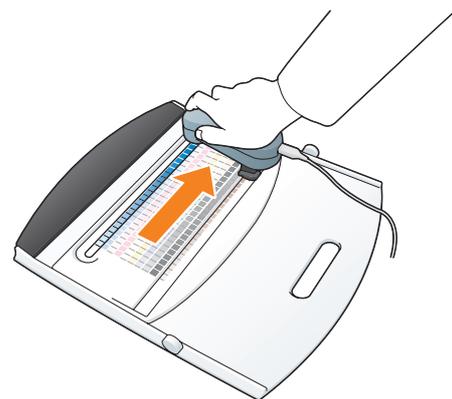
7 Securely place **EFI Spectrometer ES-1000** in the calibration cradle, then click [Continue].



8 Load the measurement page on the measurement guide plate.

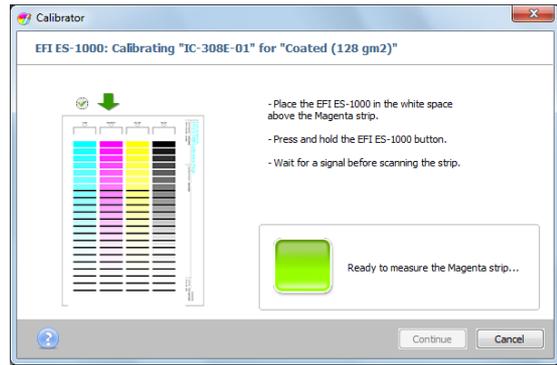
9 Follow the instructions on the measurement screen to measure color strips in sequence.

- Place approximately 10 sheets of plain paper beneath the measurement page or use a backer board, before starting measurement.
- Hold down the measurement button of **EFI Spectrometer ES-1000**. After you hear a beep, slide it while holding down the measurement button. Slide EFI Spectrometer ES-1000 to the end of strip, then release the measurement button.
- For details about how to use **EFI Spectrometer ES-1000**, refer to the manual supplied with this machine.

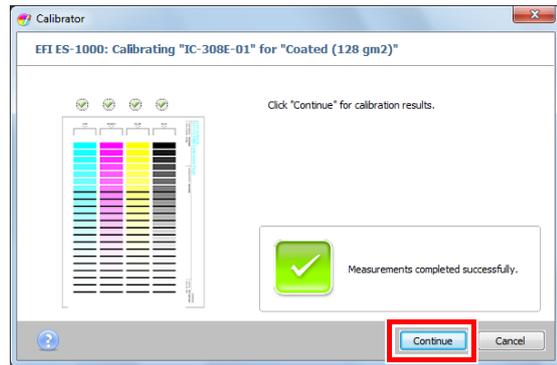


10 In the same way, measure all colors.

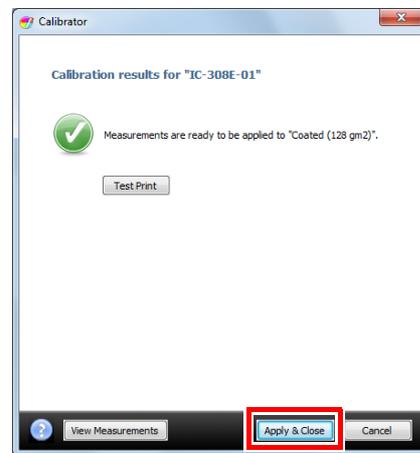
- When a strip is measured successfully, a check mark is displayed at the side of the color name, and ↓ is displayed for the color to be measured next.
- Measure colors in the order displayed in the measurement screen.



11 When all the patches have been read successfully, click [Continue].



12 Click [Apply & Close].
The calibrated measurement values are applied.



Specifying the reference image quality

To stabilize the image quality of this machine, specify the reference values (targets) of the entire printing system in advance.

If you change the setting value in [Custom Screen], hue variations may be drastically changed. If you change the screen, specify the standard image quality following the procedure to avoid hue variations.

Tips

If the image quality has not been appropriately adjusted only through daily calibration, you may improve the situation by carrying out the following tasks.

Order	Menu item		Description
	Without Relay Unit RU-509	With Relay Unit RU-509	
STEP1	Screen Pattern (Refer to the HTML User's Guide .)		Select the screen to be used with the screen setting (assignment) changed.
STEP2	[Gamma Automatic Adj.] (Refer to the HTML User's Guide .)		Automatically adjusts the color reproducibility of all the output paper.
STEP3	[Printer Gamma Sensor Adjustment] (Refer to the HTML User's Guide .)	[Density Balance Adjustment] (Refer to the HTML User's Guide .)	[Printer Gamma Sensor Adjustment]: Adjusts the IDC sensor using the scanner. [Density Balance Adjustment]: Automatically corrects the density balance.
STEP4	[Printer Gamma Offset Adjustment] (Refer to the HTML User's Guide .)	[Color Density Control] (page 5-23)	[Printer Gamma Offset Adjustment]: Changes the printer gamma curve, and adjusts the gradation of the highlighted part and the background optical density. [Color Density Control]: Select [Basic Setting], then set [Periodical Adj. Execution] to [ON]. If necessary, execute [Color Density Manual Control].
STEP5	[Density Balance Adjustment] (Refer to the HTML User's Guide .)	Calibration (page 5-23)	[Density Balance Adjustment]: Automatically corrects the density balance. Calibration: Calibrates the color reproducibility that fluctuates from day to day.
STEP6	Calibration (page 5-23)	-	Calibrates the color reproducibility that fluctuates from day to day.

Carry out the adjustment continuously in sequence. If you have interrupted the adjustment during processing, execute "STEP2. Gamma Automatic Adj." before restarting the adjustment. For example, if you have interrupted the adjustment at the end of "STEP3. Density Balance Adjustment (with the **Relay Unit RU-509** installed)", execute "STEP2. Gamma Automatic Adj." when restarting the adjustment, then execute "STEP4. Color Density Control".

If sufficient adjustment results are not obtained via daily maintenance, also carry out the adjustment in this order.

For details about the setting procedure, refer to the **HTML User's Guide**.

5.3 Adjusting the Finisher and Saddle Stitcher

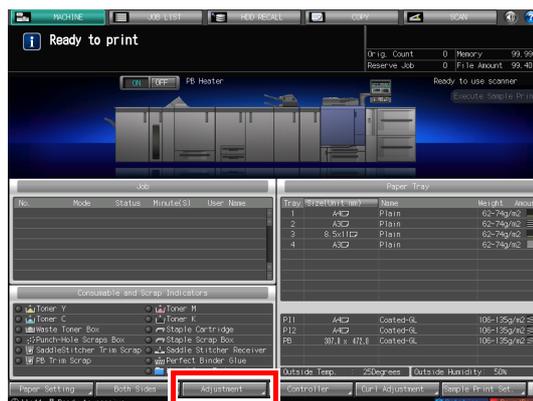
Opening the screen to be adjusted

When the finisher or saddle stitcher is mounted on this machine, you can finely adjust various functions such as fold positions or staple positions.

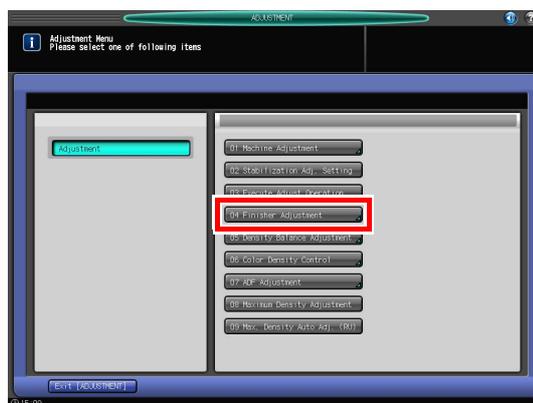
 **Reference**

For details about how to adjust the finisher, refer to the **HTML User's Guide**.

- 1 Press [Adjustment] on the [MACHINE] screen.

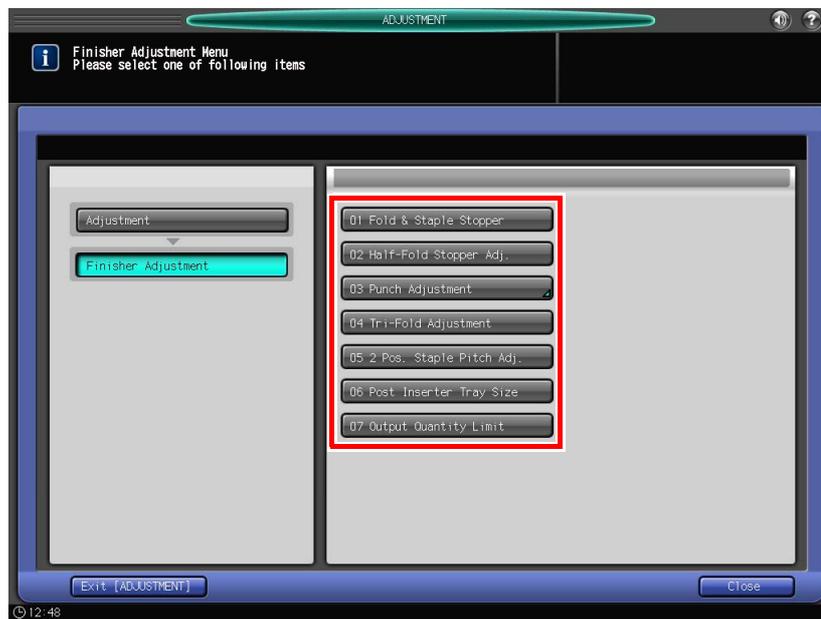


- 2 Press [Finisher Adjustment].



3 Press the items to be adjusted.

The items displayed on this screen vary depending on the model of the mounted finisher.



► **Adjustable settings**

The following shows item examples that are displayed on the screen. The items displayed on this screen vary depending on the model of the mounted optional device. For details about the setting procedure, refer to the **HTML User's Guide**.

Setting item	Description
[Staple Finisher Adjustment]	Adjusts stapler operations such as staple positioning.

Setting item	Description
[Staple Finisher Adjustment]	Adjusts stapler operations such as staple positioning.
[Multi Folder Adjustment]	Adjusts multi folder operations such as punch positioning or fold positioning.
[Stacker Adjustment]	Adjusts stacker operations such as paper width or paper length adjustment.
[Saddle Stitcher Adjustment]	Adjusts saddle stitcher operations such as staple or fold positioning.
[Perfect Binder Adjustment]	Adjusts perfect binder operations such as trim width, spine shape, glue position and temperature.
[Relay Stacker Adjustment]	Adjusts relay stacker operations such as paper width or paper length adjustment.

5.3 Adjusting the Finisher and Saddle Stitcher

Setting item	Description
[Fold & Staple Stopper]	Adjusts the staple position to reduce the misalignment between the fold and the staples.
[Half-Fold Stopper Adj.]	Adjusts the half-fold stopper position.
[Punch Adjustment]	Adjusts punch positions.
[Tri-Fold Adjustment]	Adjusts tri-folding positions.
[2 Pos. Staple Pitch Adj.]	Adjusts the staple pitch.
[Post Inserter Tray Size]	Adjusts the tray size of the post inserter.
[Output Quantity Limit]	Sets the maximum number of pages to be printed.
[Curl Adjustment]	Adjusts paper curling for each folding type when the Relay Unit is not used.

6 Troubleshooting

6.1 Replenish and Replace Consumables

▶ Replacing a toner bottle

WARNING

Do not throw the toner bottle or toner into an open flame. The hot toner may scatter and cause burns or other damage.

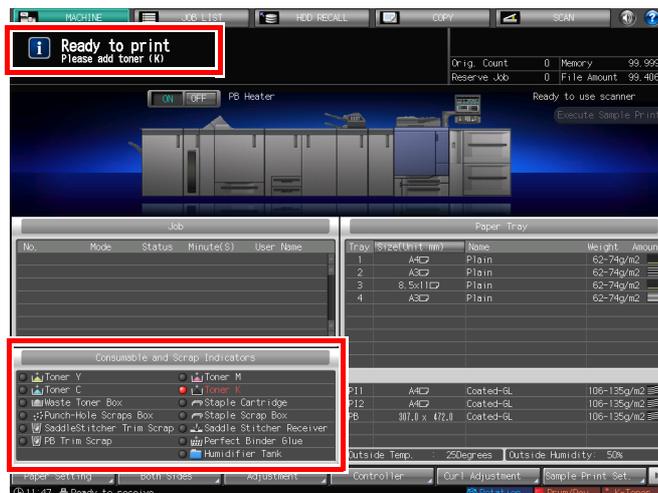
CAUTION

- Do not leave toner-related parts (toner bottles or PC drum units) within easy reach of children. Licking any of these parts or ingesting toner could damage your health.
- Do not store toner-related parts (developing units) near devices susceptible to magnetism, such as precision equipment and data storage devices, otherwise they may malfunction.
- Do not force open the toner-related parts (toner bottles). If toner tumbles from the toner bottle, take utmost care to avoid inhaling it or even getting skin contact.
- If toner lands on your skin or clothing, wash thoroughly with soap and water.
- If you get toner into your eyes, immediately rinse them with running water for over 15 minutes. Seek medical advice if irritation persists.
- If you inhale toner, move to a place with fresh air and gargle with a lot of water repeatedly. Should you get symptoms such as coughing, seek medical advice.
- If you swallow toner, rinse out your mouth and drink a few glasses of water. Seek medical advice if necessary.

When toner in a **toner bottle** runs out, the message [Ready to print / Please add toner] is displayed on the [MACHINE] screen, and the color of the exhausted toner is displayed in red on the [Consumable and Scrap Indicators] display.

Tips

This machine contains a toner storage container that contains spare toner to prevent a print job from being interrupted during printing even if toner in the **toner bottle** becomes exhausted.



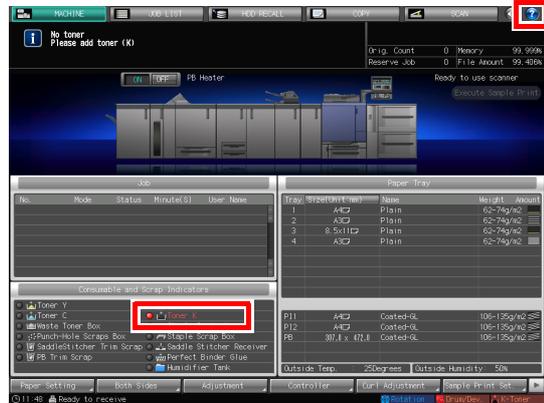
When toner supply from the toner storage also becomes low, the message [No toner / Please add toner] is displayed. Follow the procedure below to replace a **toner bottle**.

NOTICE

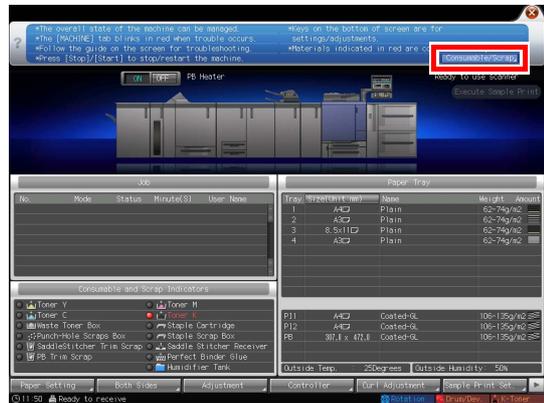
To replace a **toner bottle**, check the toner type number indicated on the **toner bottle cover**. Use of incorrect toner bottles may cause the machine trouble.

- 1 Press  on the upper-right corner of the **touch panel** or **Help** on the **control panel** to display the help message.

If you press the red row in the [Consumable and Scrap Indicators] display area of the touch panel, the window shown in step 3 is displayed directly.

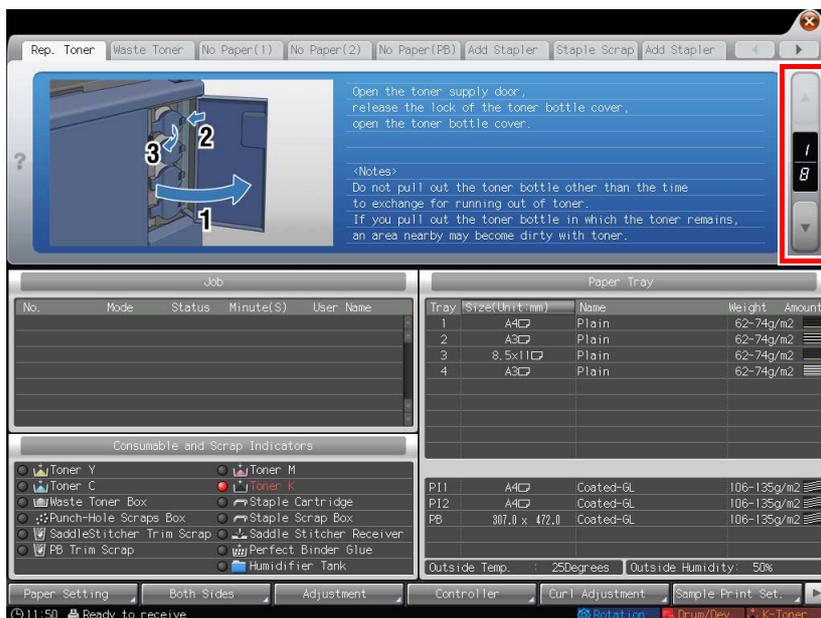


- 2 Press [Consumable/Scrap].



- 3 Follow the on-screen instructions to replace a **toner bottle**.

- The number on the right-hand side of the help message indicates a replacement procedure. To display the next step, press .



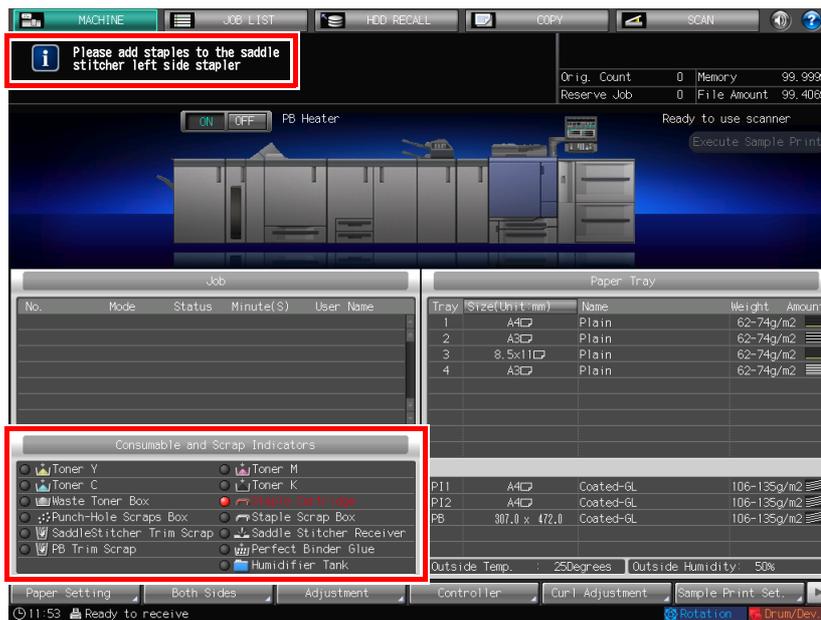
- Attach the cap of a new **toner bottle** to the used **toner bottle**, then place it into the package. For the subsequent treatment, contact your service representative.

► Replacing a staple cartridge

If staples run out, the message [Please add staples to the saddle stitcher left side stapler] is displayed on the [MACHINE] screen, and the [Staple Cartridge] indicator changes to red in the [Consumable and Scrap Indicators] display.

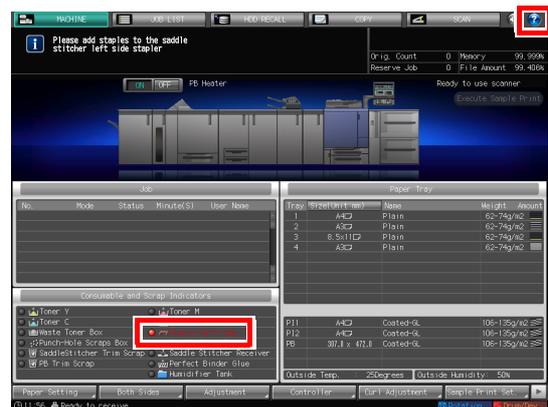
Reference

The following describes how to replace a staple cartridge in the **left-hand side stapler** of the **Saddle Stitcher SD-506**. For information about how to replace staple cartridges, refer to the **HTML User's Guide**.

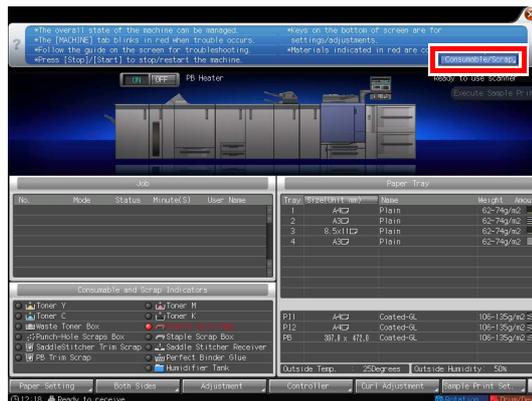


- 1 Press on the upper-right corner of the **touch panel** or **Help** on the **control panel** to display the help message.

If you press the red row in the [Consumable and Scrap Indicators] display area of the touch panel, the window shown in step 3 is displayed directly.

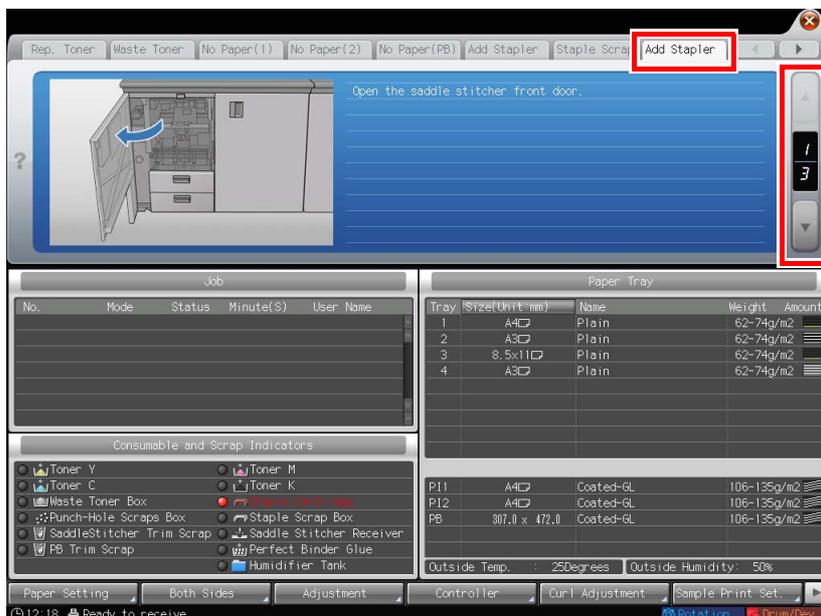


2 Press [Consumable/Scrap].



3 Press the [Add Stapler] tab of the required saddle sticher, then follow the on-screen instructions to replace a staple cartridge.

The number on the right-hand side of the help message indicates a replacement procedure. To display the next step, press [▼].



NOTICE

The **Saddle Sticher SD-506** contains two staple cartridges. Check the message, then be sure to pull out the empty cartridge.

To remove a staple cartridge, securely hold its right and left sides, and pull it out toward you.

To install a staple cartridge, be careful not to mistake the top side for the bottom side. If the top side is facing down, the staple cartridge cannot be inserted.

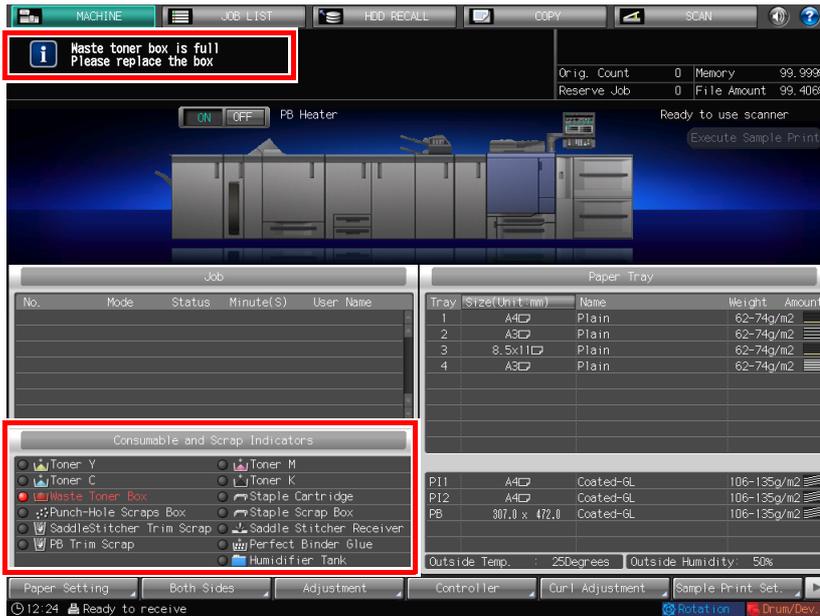
► Replacing a waste toner box

WARNING

NEVER throw the waste toner box into a fire.

- Otherwise, the toner may ignite and cause a dangerous situation.

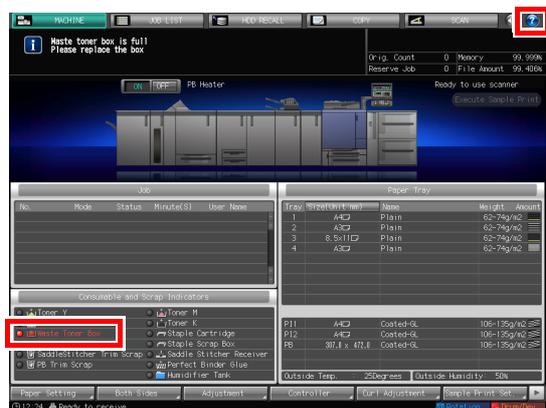
If the **waste toner box** fills up with waste toner, the message [Waste toner box is full Please replace the box] is displayed on the [MACHINE] screen, and the [Waste Toner Box] indicator changes to red in the [Consumable and Scrap Indicators] display.



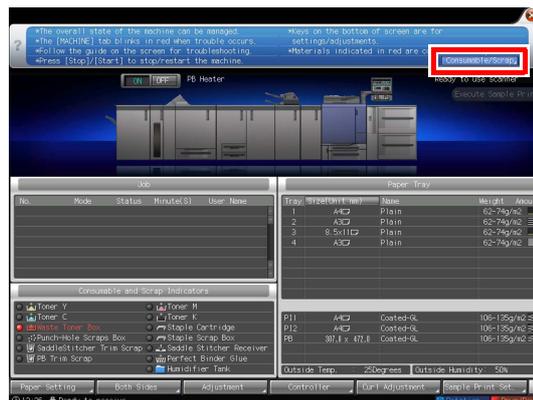
1

Press **?** on the upper-right corner of the **touch panel** or **Help** on the **control panel** to display the help message.

If you press the red row in the [Consumable and Scrap Indicators] display area of the touch panel, the window shown in step 3 is displayed directly.

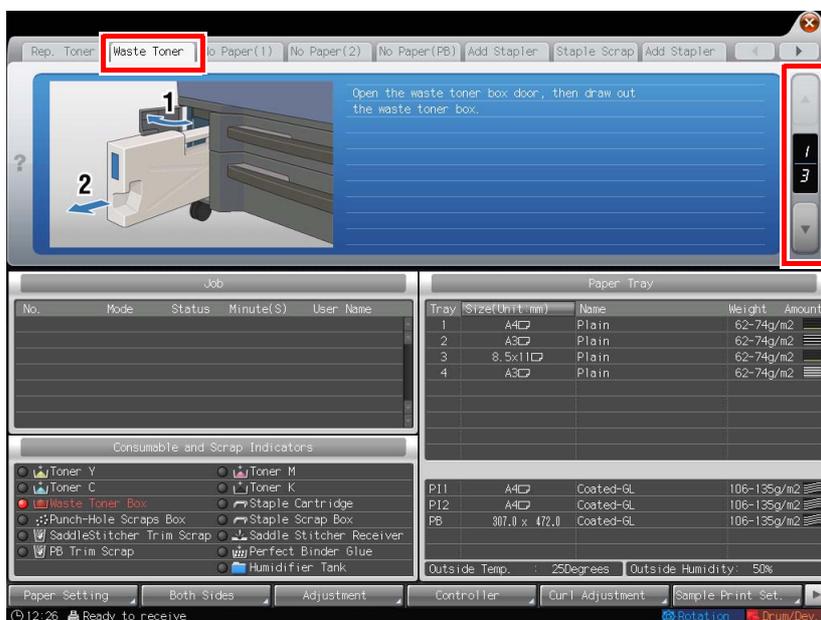


2 Press [Consumable/Scrap].



3 Press the [Waste Toner] tab, then follow the on-screen instructions to replace the waste toner box.

The number on the right-hand side of the help message indicates a replacement procedure. To display the next step, press [▼].



6.2 Clearing Paper Jams

How to view the animation guide

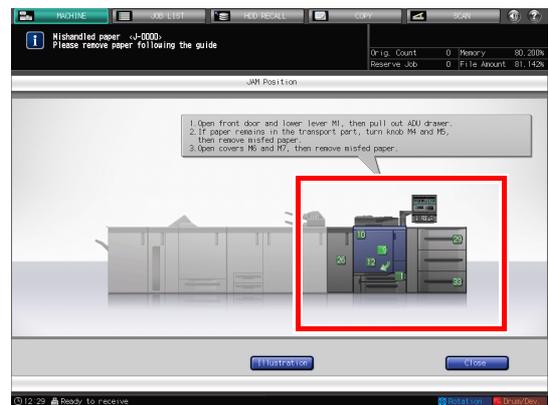
If a paper jam occurs on this machine, the message [Mishandled paper / Please remove paper following the guide] is displayed, and the position of the paper jam is displayed on the screen.

Check the paper jam position, then follow the guidance to clear a paper jam.

Do not turn off the **main power switch** while clearing a paper jam. Otherwise, the trays or **conveyance fixing unit** cannot be pulled out.

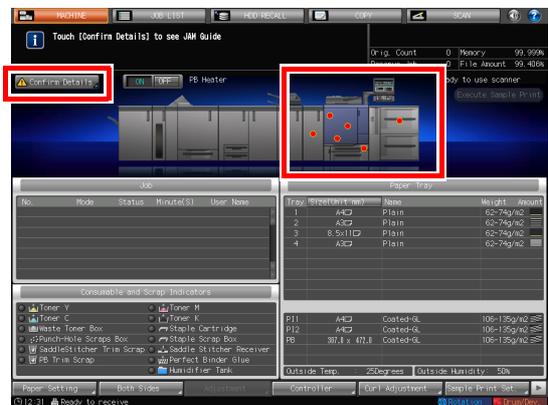
►[JAM Position] screen

If a paper jam occurs, the [JAM Position] screen is displayed, and the position of the paper jam is indicated by a number.



👉 Tips

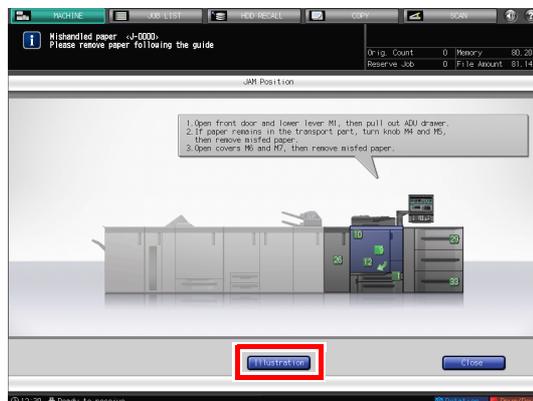
- Pressing [Close] changes to the [MACHINE] screen.
- Even while the [MACHINE] screen is being displayed, a paper jam position is indicated by ● (red circle). Pressing [Confirm Details] changes to the [JAM Position] screen.



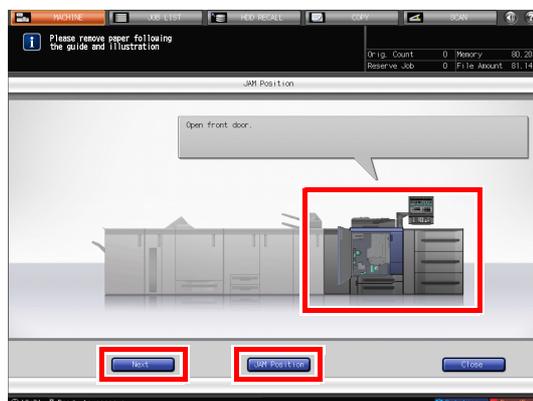
► Illustration screen for Jam handling

The overview of the method required to clear the jam is displayed on the [JAM Position] screen. Changing to the Illustration screen displays the procedure guidance, so you can clear a paper jam while checking each step.

- 1 Press [Illustration] on the [JAM Position] screen.



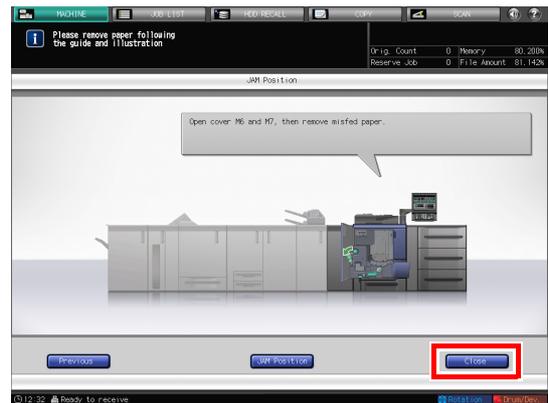
- 2 Check the displayed contents, then remove jammed paper.
 - If the description spans multiple pages, [Next] is displayed.
 - Pressing [Next] can check the next step.
 - Pressing [JAM Position] returns to the [JAM Position] screen.



- 3 Follow the guidance to remove jammed paper.
 - Pressing [Next] can check the next step.
 - Pressing [Previous] can check the previous step.



- 4 Remove all jammed paper, then press [Close].
This returns to the [MACHINE] screen.



Tips

If the paper jam message does not been yet clear even after all the jammed paper has been removed, the paper jam may have occurred in a place other than the one displayed. Check other places not displayed on the touch panel again. In particular, check the following points.

- Check whether a slip of paper is left on the back of the part indicated by the number on the touch panel. If you cannot smoothly remove jammed paper, do not remove it forcibly. Contact your service representative.
- Open and close the door of the part indicated by the number on the touch panel again. This operation may clear the message.

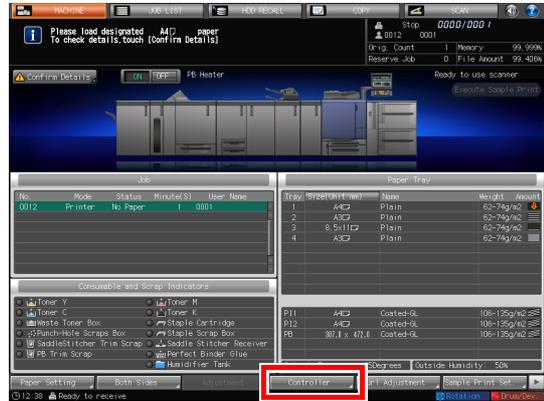
If the paper jam message still have not been cleared after checking the above, contact your service representative.

6.3 If the Specified Paper is not Found

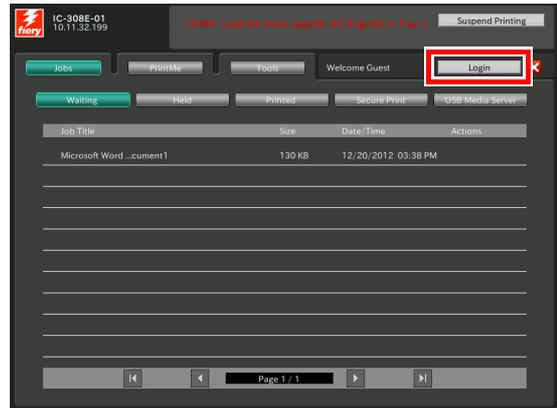
If paper of the specified paper size is not loaded on a tray at the time of printing, [Controller] is displayed in red.

To address this problem, load the specified paper into a tray, or you can forcibly print on the currently loaded paper of a different size.

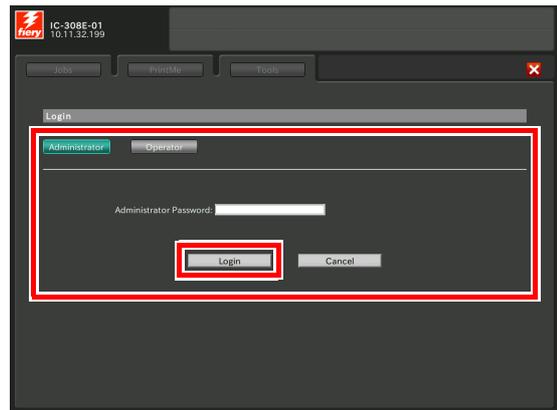
- 1 Press [Controller] on the [MACHINE] screen.



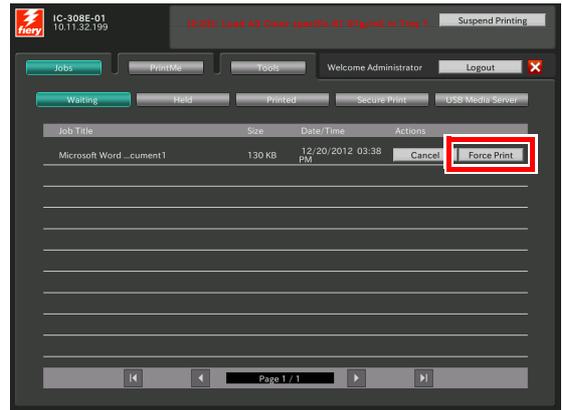
- 2 Press [Login].



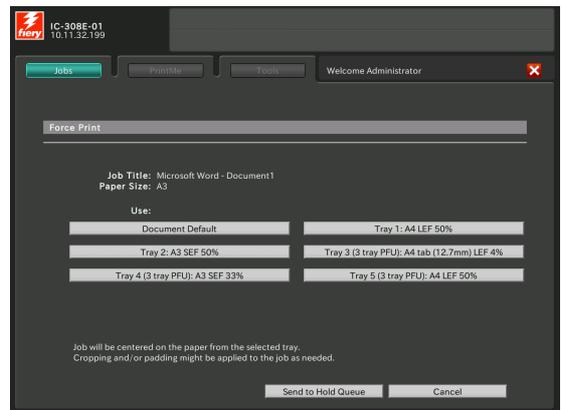
- 3 Select [Administrator] or [Operator], enter the password, then press [Login].
If you select [Operator], you do not need to enter the password.



4 Press [Force Print].



5 Press the tray in which print sheets are loaded.
Printing starts using the selected tray.



6.4 If an Error has been Displayed during Scanning

If a problem such as an HDD space insufficiency has occurred, an error message is displayed.

Check the message content, then take the appropriate action.

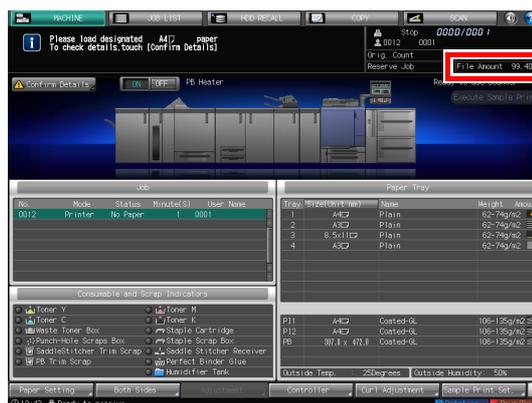
This section describes how to handle an HDD space insufficiency.

►HDD space insufficiency

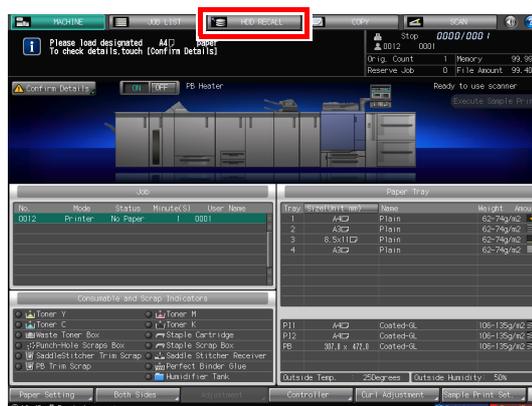
If there is not enough HDD space available, an error may occur during scanning.

Follow the procedure below to check the HDD space. If necessary, delete unnecessary data.

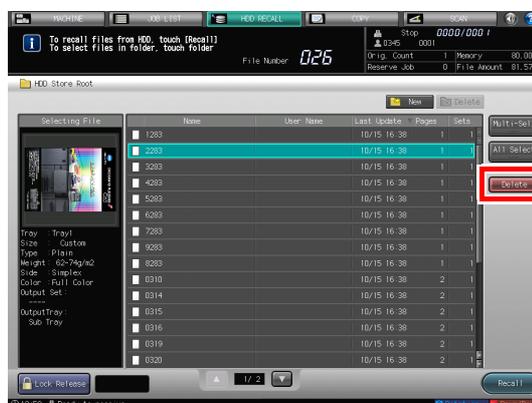
- 1 Select [File Amount] on the upper right-hand side of the [MACHINE] screen, then check available space.



- 2 Press [HDD RECALL] on the [MACHINE] screen.



- 3 Select a folder, User Box, or file from the list, then press [Delete] to delete unnecessary data.



Tips

You can configure a setting to automatically delete data temporarily saved on the HDD at periodic intervals. To configure this setting, select [Administrator Setting] - [Security Setting] - [HDD Management Setting] - [Hold Job Auto Delete Period]. For details, refer to the **HTML User's Guide**.

6.5 Hue Adjustment

Various problems, for example, the current hue is different from the previous one or the expected chromogenic effect has not been obtained, are caused due to a change in ambient temperature or humidity, a change of the machine conditions, or a change of the color tone by the paper type or print mode.

In these cases, the adjustment is required.

When calibration is executed for daily management

The effect of the quality adjustment can be enhanced by making another adjustment in addition to calibration.

Reference

For details, refer to page 5-18.

When calibration is not executed

Specify the reference image quality to adjust the color image quality.

Reference

For details, refer to page 5-31.

After specifying the reference image quality, you can execute calibration at periodic intervals to maintain the image quality.

Reference

If you have changed the screen or paper, make the advanced adjustment. For details, refer to the **HTML User's Guide**.

6.6 Image Position Adjustment

The previously adjusted image position may be misaligned by a slight enlargement or reduction of paper that is caused due to a change in ambient temperature or humidity, a change of the machine conditions, usage of a different type of paper, or heat impact of the Fusing Unit.

In this case, adjust the image position (Both Sides Adjustment) again.



Reference

For details, refer to page 5-1.

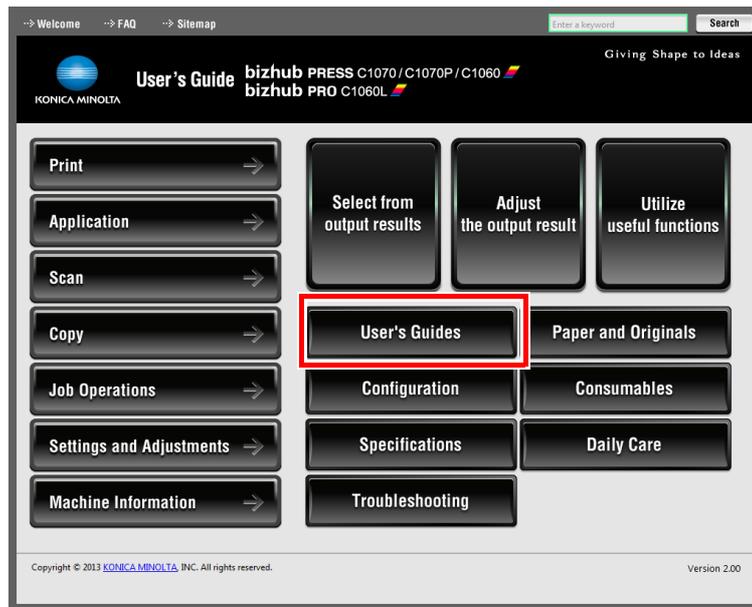
7 Appendix

7.1 Good Use of the HTML User's Guide

The **HTML User's Guide** is included in the **User's Guide CD** supplied with this machine.

Select the desired item on the top page (Home), then check the detailed contents.

To view the details about how to use the **HTML User's Guide**, select [User's Guides] on the top page (Home).



▶(1) Let's master the search function!

You can search within the **HTML User's Guide** from the search field at the top of the screen. Enter a search keyword into the search field, then click [Search].

Tips

For functions on which you refer to the **HTML User's Guide** in this guide, enter the function name or setting item into the entry field, then click [Search]; you can search for the target explanation.

▶(2) Confirm the setting required for the target finishing in an operation example!

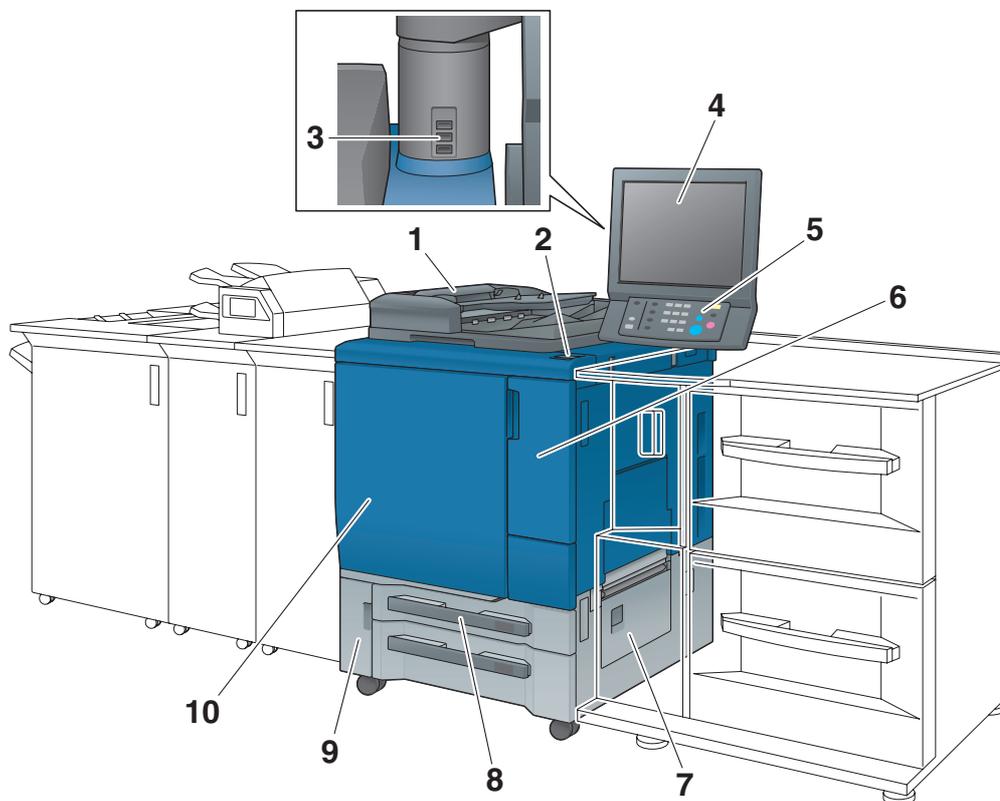
The **HTML User's Guide** contains various procedure examples for each purpose to enable you to master how to operate this machine while proceeding with the work in a similar way to the actual workflow.

These contents are included in each of the [Select from output results], [Adjust the output result], and [Utilize useful functions] on the top page (Home). They are always helpful for you.

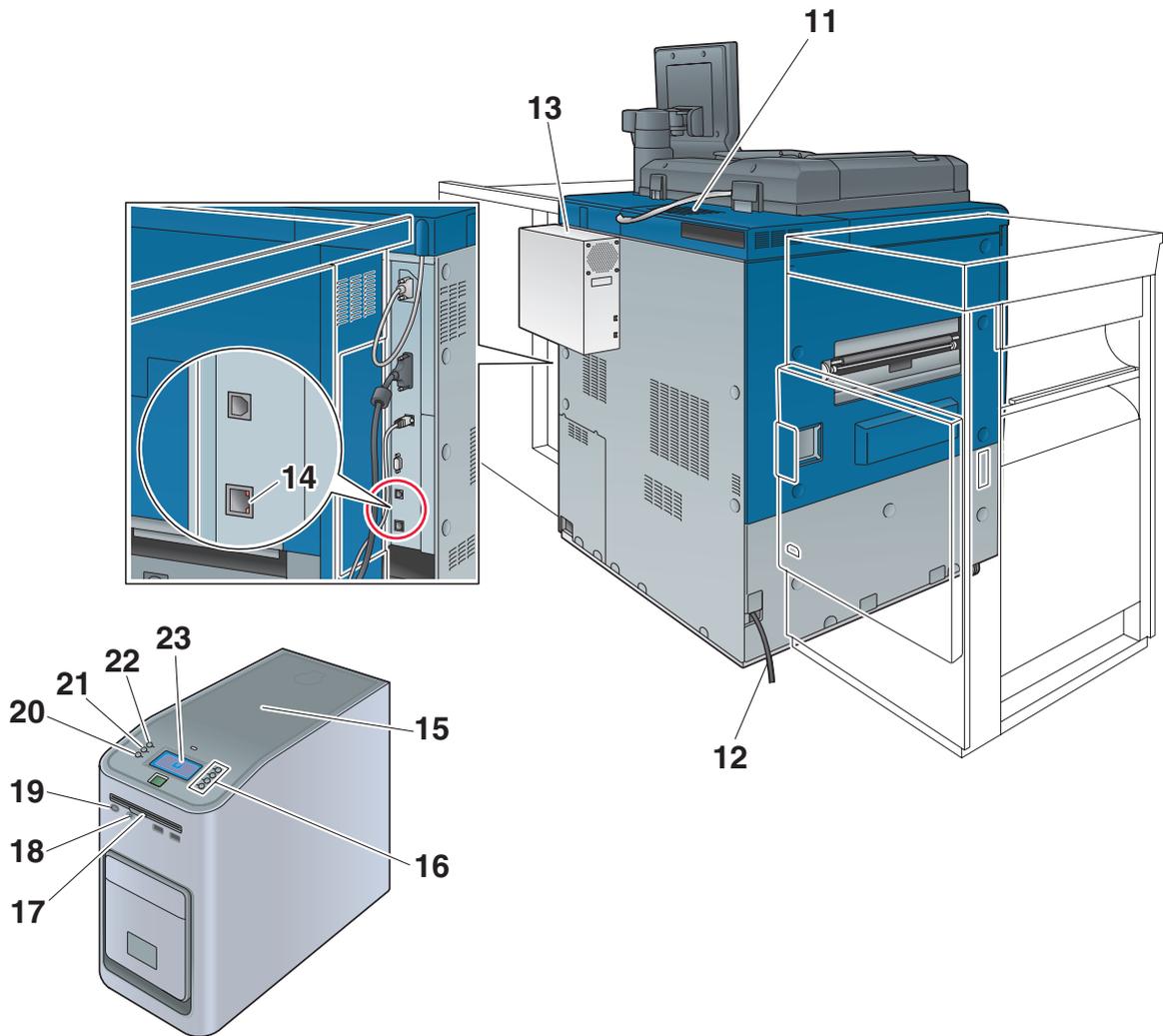


7.2 Name of each Component

External components



No.	Name	Description
1	ADF (Option)	Scans data while automatically feeding an original page by page. This device automatically inverts a double-sided original to scan data. This device cannot be installed on the Printer Model .
2	Sub power switch	Turns the sub power of the machine on or off.
3	Port (type A) (USB 2.0/1.1 compatible)	Used to connect devices such as backup HDD, keyboard, and mouse. This port is available for low-power devices only. Provide an external supply of power for devices that require a large amount of power.
4	Touch panel	Displays a screen such as the [MACHINE] screen to enable you to carry out machine operations and settings. Also, operation or troubleshooting procedures can be provided.
5	Control panel	Performs operations or configures settings.
6	Toner access door	Open when adding toner.
7	Right side door	Open when handling a paper jam.
8	Tray 1/2	Up to 500 sheets (80 g/m ² / 21 lb Bond) can be loaded into Tray 1, and up to 1,000 sheets (80 g/m ² / 21 lb Bond) into Tray 2.
9	Waste toner box door	Open when replacing a waste toner box .
10	Front door	Open when removing jammed paper or turning the main power switch on or off.

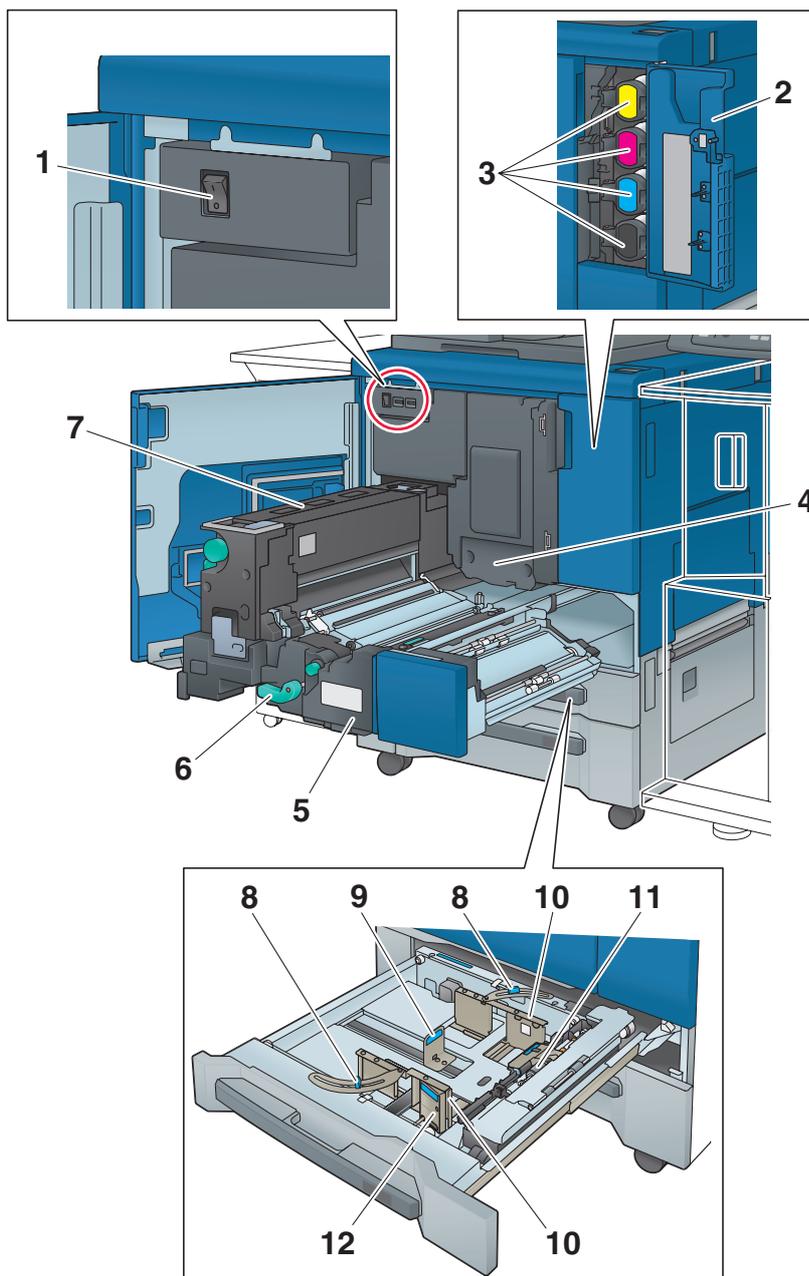


No.	Name	Description
11	Dust proof filter	A dust proof filter is installed in the built-in cooling fan to keep out dust.
12	Power cord	Supplies this machine with electricity.
13	Image Controller IC-415	Required to use this machine as a printer or scanner with the Image Controller IC-415 mounted.
14	Network port (1000Base-T/100Base-T/10Base-T)	Connect the network cable to monitor this machine or remotely operate the control panel using Web Utilities.
15	Image Controller IC-308	Required to use this machine as a printer or scanner with the Image Controller IC-308 mounted.
16	Row selection button (1, 2, 3, 4)	Enables to select a menu at the target position.
17	Eject button	Ejects a DVD from the DVD drive.
18	Reset button	Resets Image Controller IC-308 when the system has frozen or the keyboard or mouse does not respond.
19	Power button	Turns the sub power of Image Controller IC-308 on or off.
20	Down button	Scrolls the screen downward.
21	Menu button	Display the menu screen.
22	Up button	Scrolls the screen upward.

7.2 Name of each Component

No.	Name	Description
23	Control panel	Restarts Image Controller IC-308 , displays its IP address, and carries out reboot processing.

Internal components



No.	Name	Description
1	Main power switch	Turns the main power of the machine on or off. The main power is basically turned on or off by your service representative. Be sure not to turn the main power switch off in usual operation.
2	Toner access door	Open when adding toner.

No.	Name	Description
3	Toner bottle cover (Y, M, C, K)	Open when placing a toner bottle in the machine. Toner bottles are classified into four colors: yellow (Y), magenta (M), cyan (C), and black (K).
4	Drum unit	Generates a print image.
5	Conveyance fixing unit	Pulled out to remove jammed paper. For information about how to handle levers and knobs of the conveyance fixing unit , refer to the screen displayed when a paper jam has occurred.
6	Lever [M1]	Locks the conveyance fixing unit . If a paper jam has been detected, push this lever down to the left and pull out the conveyance fixing unit .
7	Fixing unit	Fuses toner on paper by heat and pressure.
8	side guide lock knobs	Fixes the side guide plates .
9	Rear guide plate	Aligned to the rear edge of loaded paper.
10	Side guide plates	Aligned to the edges of loaded paper.
11	Feed roller	Rotates when feeding paper into this machine.
12	Side guide lock release lever	Pinch the tabs and push in this lever to release the lock when moving the side guide plates .

 **WARNING**

NEVER throw the waste toner box into a fire.

- Otherwise, the toner may ignite and cause a dangerous situation.

 **CAUTION**

DO NOT touch the fusing part of the fixing conveyance unit. Otherwise, you may get burned.

- Please be especially careful in withdrawing the fixing conveyance unit or opening the fusing part.

 **CAUTION**

DO NOT put your hand or arm between the main body and the fixing conveyance unit.

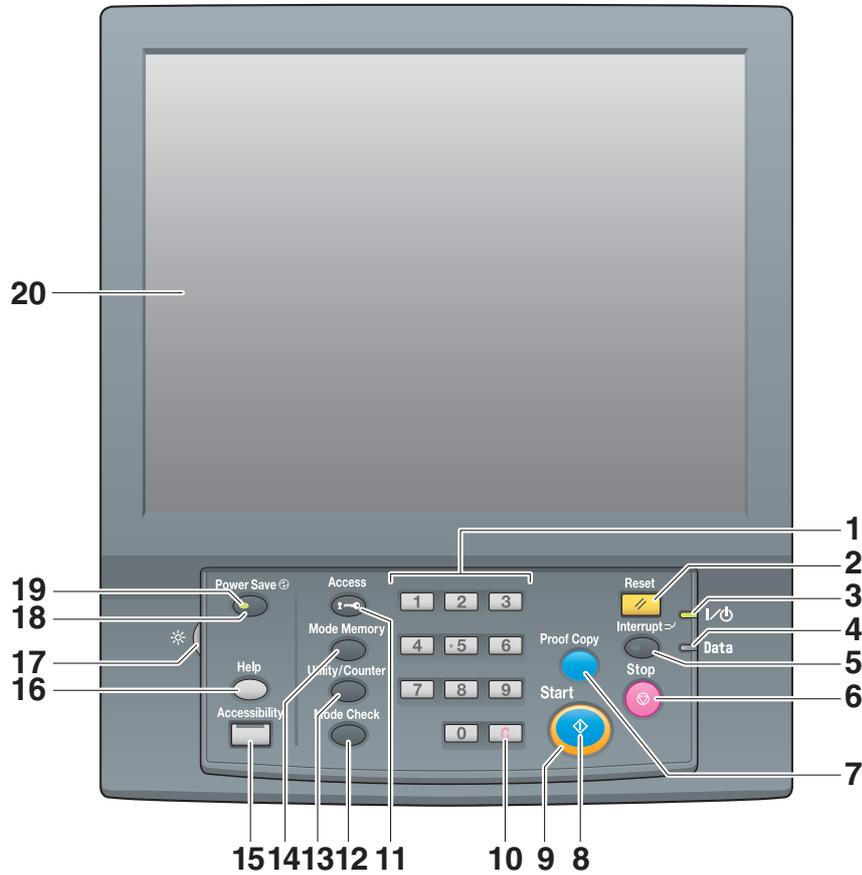
- Touching connecting terminals of electric parts may damage the machine or cause unexpected trouble. Please do not try to work yourself, but contact your service representative.

 **CAUTION**

DO NOT pull out the toner bottle other than the time to exchange for running out of toner.

- If you pull out the toner bottle in which the toner remains, an area nearby may become dirty with toner.

Control Panel Layout



No.	Name	Description
1	Keypad	Enter the values such as the number of copies or the zoom ratio.
2	Reset*	Returns the contents you entered or changed on the control panel to the default settings.
3	Power LED	Lights up in red when the main power switch is turned on, then lights up in green when the sub power switch is turned on.
4	Data LED	Flashes when receiving a job.
5	Interrupt*	Used to make an interrupt copy. Using this function, you can interrupt the currently executed job to prioritize a copy job when you want to make a copy on urgent business.
6	Stop	Stops machine operations or erases the scanned image data.
7	Proof Copy*	Used to make a proof copy. Print data to check the adjusted image quality on the [Quality Adjustment] screen, or output a sample from the [Job Ticket Edit] screen.
8	Start	Starts each function operation.

No.	Name	Description
9	Start LED	<p>Indicates the status of this machine with LED colors.</p> <ul style="list-style-type: none"> Light up in blue: This machine is ready to start operations.  <ul style="list-style-type: none"> Light up in orange: This machine is not ready to start operations. 
10	C (Clear)	Returns the contents you entered or changed on the control panel to the default settings.
11	Access	Performs authentication on the login screen when user authentication or account track is enabled on this machine. If you press Access in login state, you are logged out.
12	Mode Check	Displays the details of the specified print job.
13	Utility/Counter	Displays the [UTILITY] screen and various counters.
14	Mode Memory*	Registers conditions of the target copy or scan function, or recalls the registered conditions. Also, you can recall the previous conditions.
15	Accessibility	Adjusts the time for which a response is returned when you pressed a key on the touch panel or a button on the control panel .
16	Help	Displays the help message that provides information about how to operate the screen currently displayed on the touch panel . If you press Help while the [MACHINE] screen is being displayed, you can view how to add or dispose consumables.
17	Brightness adjustment dial	Adjusts the brightness of the touch panel screen .
18	Power Save	Releases the power-saving mode. Also, press this button to manually place this machine into the power-saving mode.
19	Power Save LED	Lights up when the machine is placed in the power-saving mode such as Auto Low Power or Auto Shut OFF or the machine is turned off while the weekly timer is active.
20	Touch panel	Displays a setting screen or message. To use this panel, touch the screen with your finger.

*This function is not provided for the **printer model**.



CAUTION

Do not press hard or pointed objects against the touch panel.

- Otherwise, the glass may be scratched or break and you may be injured. Use fingers to operate the touch panel.



CAUTION

Stop the operation immediately when the Service Call Screen is displayed and output cannot be continued any more.

- Otherwise, an unexpected trouble may be caused. Write down the report code as stated on the 2nd line of the message, turn off the sub power switch and main power switch in this order, then disconnect from the power socket. Contact your service representative and inform them of the report code.

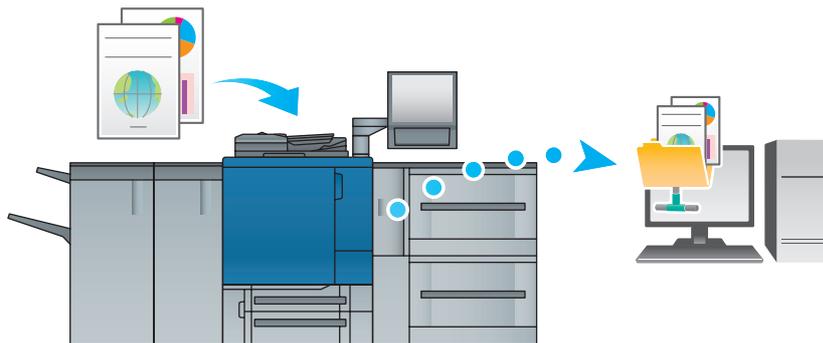
7.3 Convenient Use of Scan Function (Scan to SMB)

You can send the scanned original data as an E-mail attachment, or send it to a shared computer (SMB server) or the FTP server.

This section describes the function (Scan to SMB) to send data to the SMB server.

SMB transmission is a function that converts the original data scanned on this machine to a computer-compatible file and sends the converted data to a target computer or a shared folder on the server. You can store a handout original as digital data using this function.

Also, you can send data to your computer and the file server used for daily file transfer in order to share it.



Tips

Mac OS X 10.7 or later does not support the Scan to SMB function. Instead, use Scan to FTP. For details, refer to the **HTML User's Guide**.

Step 1: Prepare the destination computer

In Step 1, execute the following tasks:

- To check the destination computer name and accessible user name.
- To create a folder in the destination computer and to configure a sharing setting.

► In a Windows environment

Tips

To carry out this task, the computer's administrator privilege is required.

- 1 In [System Properties] or [System], check the computer name displayed in [Computer name].
 - In Windows Vista/Windows 7/Windows Server 2003/Windows Server 2003 R2/Windows Server 2008/Windows Server 2008 R2, right-click [Computer], then click [Properties] to display [System Properties].
 - In Windows 8/Windows Server 2012, right-click the Start window, click [All apps]. And right-click [Computer], then click [Properties] to display [System Properties].
 - The computer name is required to specify a destination. Write down the computer name so that you do not forget it.

2 Check the user name.

- For **Image Controller IC-415** or **Image Controller IC-308**, "computer name (or domain name)\user name" is required.
- In Windows Vista/Windows 7/Windows Server 2003/Windows Server 2003 R2/Windows Server 2008/Windows Server 2008 R2, select [All Programs] - [Accessories] and open [Command Prompt]. Then, type in "set user" and press the [Enter] key.
- In Windows 8/Windows Server 2012, right-click the Start window, click [All apps], and open [Command Prompt]. Then, type in "set user", and press the [Enter] key. Then, type in "set user", and press the [Enter] key.
- The domain name and user name are displayed. The login user name is shown following "USERNAME=".
- The user name is required to specify a destination. Write down the user name so that you do not forget it.

3 Enable file sharing.

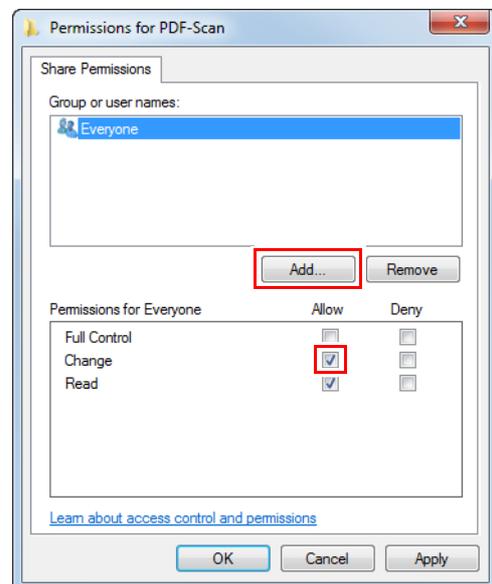
- Windows 7/Windows 8/Windows Server 2008 R2/Windows Server 2012, select [Control Panel] - [Network and Internet] - [Network and Sharing Center] - [Advanced sharing settings], then click [Turn on file and printer sharing] in the [Change advanced sharing settings] window.
- In Windows Vista, select [Control Panel] - [Network and Internet] - [Network and Sharing Center], then click [Sharing and Discovery] - [File Sharing] - [Turn on file sharing].
- In Windows Server 2008, click [Control Panel] - [Network and Internet] - [Set up file sharing], select [Sharing and Discovery] - [File Sharing] in the [Network and Sharing Center] window, then click [Turn on file sharing].
- In Windows Server 2003/Windows Server 2008 R2, open [Tools] - [Folder Options] in the folder, then clear the [Use simple file sharing (Recommended)] check box on the [View] tab.

4 Set to a shared folder.

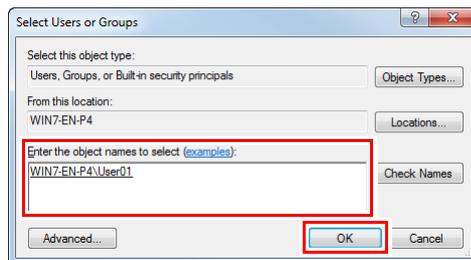
Right-click the folder to be shared, open [Properties], then click [Advanced Sharing] in the [Sharing] tab. On the opened window, select the [Share this folder] check box.

5 Set [Permissions].

Click [Permissions] on the [Advanced Sharing] window, select [Group or user names] - [Everyone], then set [Change] of Permissions to Allow.



- 6 Add a user to be permitted.
Click [Add] on the [Permissions] screen, open [Select Users or Groups], and enter "computer name (or domain name)\user name" into the [Enter the object names to select] field. Then, click [Check Names]. If the user name is underlined, click [OK].



- 7 Select the user name added in step 6, and select the [Change] check box under Allow in Permissions, then click [OK].

► In a Macintosh environment

 **Tips**

To carry out this task, the computer's administrator privilege is required.

- 1 Select [About This Mac] - [More Info...] to check [IP Addresses] and [User name].
- 2 Enable file sharing.
In the Apple menu, click [Preferences...] - [Sharing] to open the [Sharing] window, then select the [File Sharing] check box.
- 3 Enable the SMB-base sharing.
Click [Options] on the [Sharing] window, select the [Share files and folders using SMB (Windows)] check box, then select the check box of the login user name (displayed name).
- 4 Set to a shared folder.
Click [+] on the [Sharing] window, select a folder to be shared, then click [Add]. Then, check that the user name and access rights of the folder are set to the [Read & Write] mode.

Step 2: Connect this machine to the network

To connect this machine to the network, check that:

- The LAN cable is connected.
- The IP address is assigned to this machine.

 **Reference**

To configure the network settings, select **WebTools** - [Configure] - [Launch Configure] - [Network]. For details, refer to the user's guide supplied with **Fiery Color Server**.

Step 3: Prepare the operating environment for SMB transmission

Enable the SMB transmission function.
Set [SMB Send Setting] of this machine to [Enable] (in general use, you do not need to change the default setting).

 **Reference**

For details, refer to the user's guide supplied with **Fiery Color Server**.

Step 4: Configure settings according to your environment

Register destinations that are frequently used.

- This can save many steps to manually enter destinations.
- Select [SCAN] screen of this machine to register the SMB server setting.
- You can also use [Scan Address Register] in **Utility/Counter** to register the setting.

Reference

For details, refer to the user's guide supplied with **Fiery Color Server**.

Step 5: Send scan data to a public folder

Send scan data to a public folder of the registered SMB server.

Select an SMB destination on the [SCAN] screen of this machine, specify scan conditions, then press **Start**.

Reference

For details on scan operations, refer to the **HTML User's Guide** or the user's guide supplied with **Fiery Color Server**.

7.4 Major Specifications

 **NOTICE**

The specifications of the machine and optional device are subject to a change without notice.

Even if the specified paper size and weight are compatible with an optional device, if they are not supported by the entire system including the machine, the paper may not be able to be used.

Some optional devices are not supported in certain regions.

Machine

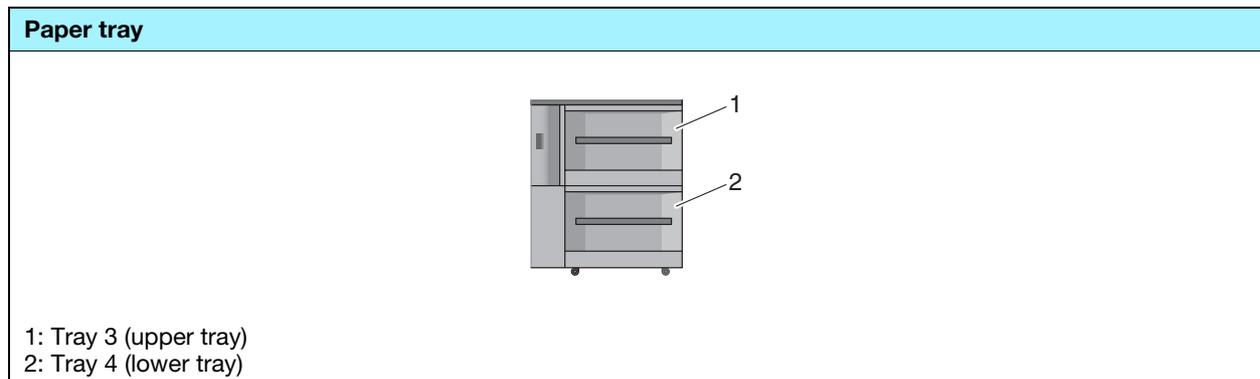
Specifications		
Operating environment conditions		Temperature: 10 to 30 degrees Centigrade Humidity: 10 to 80%RH
Machine tray	Paper weight	When paper is less than 279.4 mm / 11" in width and 215.9 mm / 8.5" or less in length (A5  , B5  , etc.) <ul style="list-style-type: none"> Plain Paper, Colored Paper, Fine Paper, Color Specific, Tab Paper: 62 g/m² to 216 g/m² / 16 lb Bond to 57 lb Bond Coated-GL, ML, GO, MO: 81 g/m² to 216 g/m² / 22 lb Bond to 57 lb Bond When paper is 279.4 mm / 11" or more in width and 215.9 mm / 8.5" or more in length (A3  , B4  , A4  , 8.5 × 11  , etc.) <ul style="list-style-type: none"> Plain Paper, Colored Paper, Fine Paper, Color Specific, Tab Paper: 62 g/m² to 256 g/m² / 16 lb Bond to 68 lb Bond Coated-GL, ML, GO, MO: 81 g/m² to 256 g/m² / 22 lb Bond to 68 lb Bond
	Paper size	Tray 1 (upper tray) <ul style="list-style-type: none"> A3 , B4 , SRA4 , A4 , B5 , A5 , 11 × 17 , 9 × 11 , 8.5 × 14 , 8.5 × 11 , 5.5 × 8.5 , 8K , 16K , Foolscap* Tab Paper: A4T , 8.5 × 11T  Custom: Width 139.7 mm to 330.2 mm, Length 182 mm to 431.8 mm / Width 5.5" to 12.98", Length 7.17" to 17" Tray 2 (lower tray) <ul style="list-style-type: none"> SRA3 , A3 , B4 , SRA4 , A4 , B5 , A5 , 13 × 19 , 12 × 18 , 11 × 17 , 9 × 11 , 8.5 × 14 , 8.5 × 11 , 5.5 × 8.5 , 8K , 16K , Foolscap* Tab Paper: A4T , 8.5 × 11T  Custom: Width 139.7 mm to 330.2 mm, Length 182 mm to 487.7 mm / Width 5.5" to 13", Length 7.17" to 19.2" JIS standard sizes are used for B series in the factory setting. For JIS/ISO switching, contact your service representative. You can change the detectable standard size. Also, you can select [ON] from [K Size] on the Utility/Counter screen to detect the K size. For details, refer to the HTML User's Guide . *Foolscap refers to 8.5 × 13  , 8.25 × 13  , 8.12 × 13.25  , or 8 × 13  .
	Storage capacity	Up to 500 sheets (80 g/m ² / 21 lb Bond) can be loaded into Tray 1 (upper tray), and up to 1,000 sheets (80 g/m ² / 21 lb Bond) into Tray 2 (lower tray).

Feeding-related optional devices

Reference

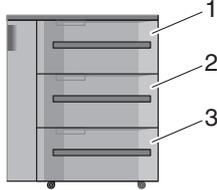
The paper size and weight vary depending on conditions such as setting or finishing. For details about the detailed conditions or specifications, refer to the **HTML User's Guide**.

► Paper Feeder Unit PF-602m



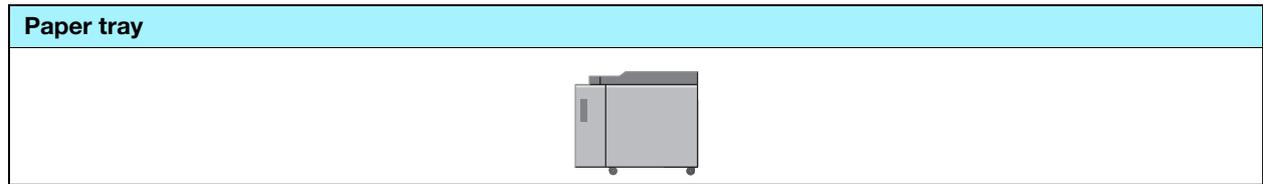
Specifications	
Paper weight	Tray 3 (upper tray): 64 g/m ² to 256 g/m ² / 17 lb Bond to 68 lb Bond Tray 4 (lower tray): 64 g/m ² to 300 g/m ² / 17 lb Bond to 81 lb Bond • Coated paper: 81 g/m ² to 300 g/m ² / 22 lb Bond to 81 lb Bond
Paper size	Tray 3 (upper tray) <ul style="list-style-type: none"> • SRA3 , A3 , B4 , SRA4 , A4 , B5 , A5 , B6 , 13 × 19 , 12 × 18 , 11 × 17 , 8.5 × 14 , 8.5 × 11 , 5.5 × 8.5 , 8K , 16K  • Tab Paper: A4T , 8.5 × 11T  • Custom: Width 100 mm to 330.2 mm, Length 182 mm to 487.7 mm / Width 3.94" to 13", Length 7.17" to 19.2" Tray 4 (lower tray) <ul style="list-style-type: none"> • SRA3 , A3 , B4 , SRA4 , A4 , B5 , A5 , B6 , A6 , 13 × 19 , 12 × 18 , 11 × 17 , 8.5 × 14 , 8.5 × 11 , 5.5 × 8.5 , 8K , 16K  • Tab Paper: A4T , 8.5 × 11T  • Custom: Width 100 mm to 330.2 mm, Length 148 mm to 487.7 mm / Width 3.94" to 13", Length 5.83" to 19.2" <p>JIS standard sizes are used for B series in the factory setting. For JIS/ISO switching, contact your service representative. You can change the detectable standard size. Also, you can select [ON] from [K Size] on the Utility/Counter screen to detect the K size. For details, refer to the HTML User's Guide. If the paper width is less than 139.7 mm / 5.5", use the small size guides (support guides). For details, refer to the HTML User's Guide.</p>
Storage capacity	3,000 sheets (80 g/m ² / 21 lb Bond) for each

► Paper Feeder Unit PF-707

Paper tray	
	
<p>1: Tray 3 (upper tray) 2: Tray 4 (middle tray) 3: Tray 5 (lower tray)</p>	

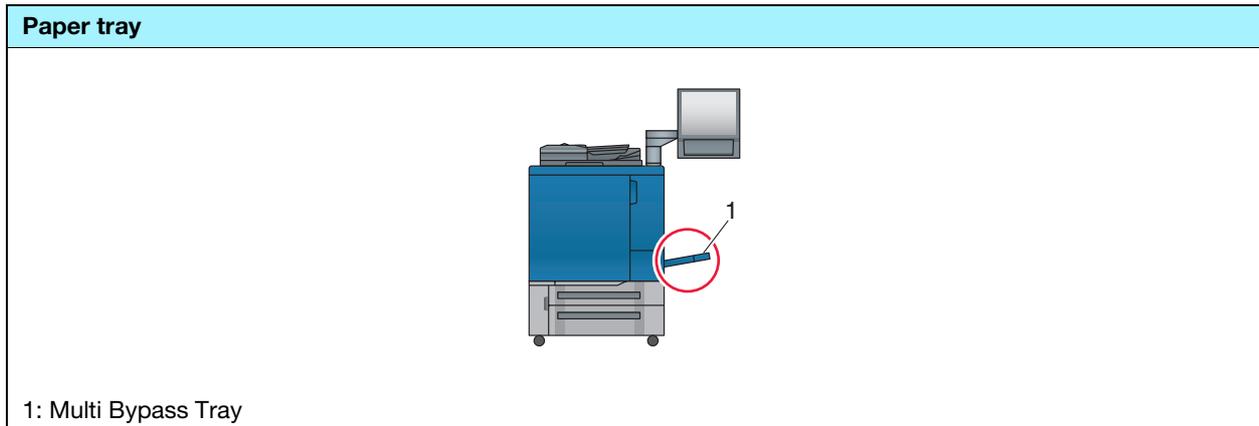
Specifications	
Paper weight	55 g/m ² to 350 g/m ² / 13 lb Bond to 93 lb Bond • Coated paper: 81 g/m ² to 300 g/m ² / 22 lb Bond to 81 lb Bond
Paper size	<ul style="list-style-type: none"> • SRA3 ☐, A3 ☐, B4 ☐, SRA4 ☐/☐, A4 ☐/☐, B5 ☐/☐, A5 ☐/☐, B6 ☐, A6 ☐, 13 × 19 ☐, 12 × 18 ☐, 11 × 17 ☐, 9 × 11 ☐, 8.5 × 14 ☐, 8.5 × 11 ☐/☐, 5.5 × 8.5 ☐/☐, 8K ☐, 16K ☐/☐, Foolscap* • Tab Paper: A4T ☐, 8.5 × 11T ☐ • Custom: Width 100 mm to 330.2 mm, Length 139.7 mm to 487.7 mm / Width 3.94" to 13", Length 5.5" to 19.2" <p>JIS standard sizes are used for B series in the factory setting. For JIS/ISO switching, contact your service representative. You can change the detectable standard size. Also, you can select [ON] from [K Size] on the Utility/Counter screen to detect the K size. For details, refer to the HTML User's Guide. If the paper width is less than 139.7 mm / 5.5", use the small size guides (support guides). For details, refer to the HTML User's Guide.</p> <p>*Foolscap refers to 8.5 × 13 ☐, 8.25 × 13 ☐, 8.12 × 13.25 ☐, or 8 × 13 ☐.</p>
Storage capacity	Tray 3 (upper tray), Tray 4 (middle tray): 1390 sheets (80 g/m ² / 21 lb Bond) Tray 5 (lower tray): 1850 sheets (80 g/m ² / 21 lb Bond)

► Large Capacity Unit LU-202



Specifications	
Paper weight	64 g/m ² to 300 g/m ² / 17 lb Bond to 81 lb Bond • Coated paper: 81 g/m ² to 300 g/m ² / 22 lb Bond to 81 lb Bond
Paper size	<ul style="list-style-type: none"> • SRA3 , A3 , B4 , SRA4 , A4 , B5 , 13 × 19 , 11 × 17 , 8.5 × 11 , 8K , 16K , 12 × 18 , 8.5 × 14 , 8.5 × 11 , 8K , 16K  • Tab Paper: A4T , 8.5 × 11T  • Custom: Width 210 mm to 330.2 mm, Length 182 mm to 487.7 mm / Width 8.27" to 13", Length 7.17" to 19.2" <p>JIS standard sizes are used for B series in the factory setting. For JIS/ISO switching, contact your service representative. You can change the detectable standard size. Also, you can select [ON] from [K Size] on the Utility/Counter screen to detect the K size. For details, refer to the HTML User's Guide.</p>
Storage capacity	2,500 sheets (80 g/m ² / 21 lb Bond)

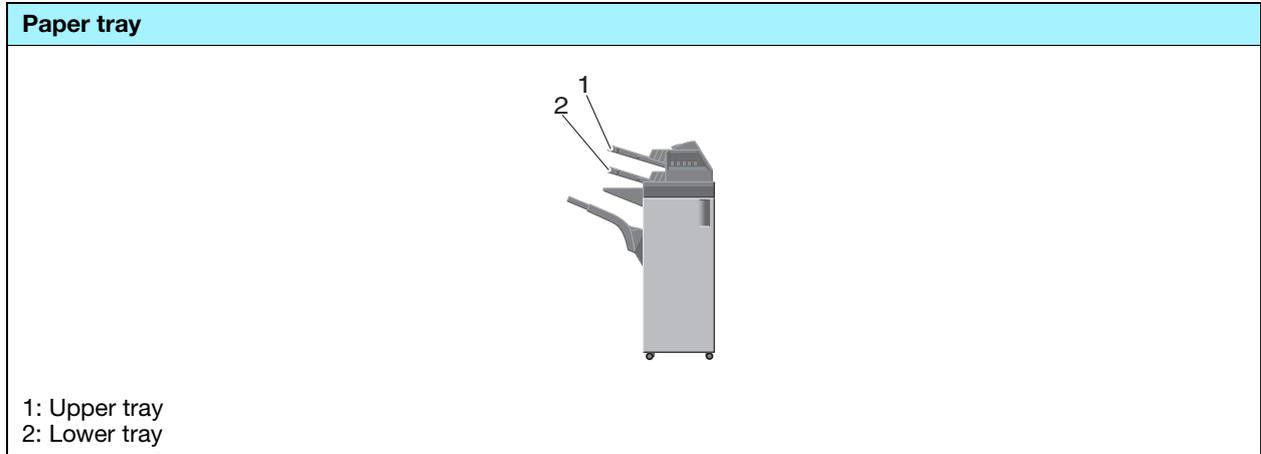
► Multi Bypass Tray MB-506



Specifications	
Paper weight	62 g/m ² to 300 g/m ² / 16 lb Bond to 81 lb Bond 300 g/m ² / 81 lb Bond has the paper types limited.
Paper size	<ul style="list-style-type: none"> SRA3 ☐, A3 ☐, B4 ☐, SRA4 ☐/☐, A4 ☐/☐, B5 ☐/☐, A5 ☐/☐, B6 ☐, A6 ☐, 13 × 19 ☐, 12 × 18 ☐, 11 × 17 ☐, 9 × 11 ☐, 8.5 × 14 ☐, 8.5 × 11 ☐/☐, 5.5 × 8.5 ☐, 8K ☐, 16K ☐/☐, Foolscap* Custom: Width 100 mm to 330.2 mm, Length 148 mm to 487.7 mm / Width 3.94" to 13", Length 5.83" to 19.2" <p>JIS standard sizes are used for B series in the factory setting. For JIS/ISO switching, contact your service representative. You can change the detectable standard size. Also, you can select [ON] from [K Size] on the Utility/Counter screen to detect the K size. For details, refer to the HTML User's Guide.</p> <p>*Foolscap refers to 8.5 × 13 ☐, 8.25 × 13 ☐, 8.12 × 13.25 ☐, or 8 × 13 ☐.</p>
Storage capacity	250 sheets (80 g/m ² / 21 lb Bond) (Load height: 27.5 mm / 1.08")
Caution	This option cannot be combined with Paper Feeder Unit .

► **Post Inserter (Folding Unit FD-503)**

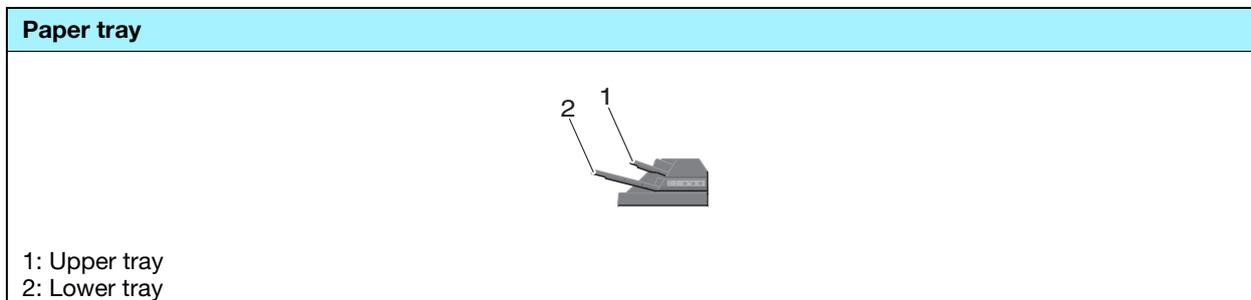
You can load paper into the upper and lower trays of **Folding Unit FD-503** and feed paper to an output-related optional device. On the control panel of the post inserter, you can configure the punch or fold function for paper to be fed from the lower tray. For details, refer to the **HTML User's Guide**.



Specifications	
Paper weight	50 g/m ² to 300 g/m ² / 13 lb Bond to 81 lb Bond
Paper size	<ul style="list-style-type: none"> • SRA3 □, A3 □, B4 □, SRA4 □/□, A4 □/□, B5 □/□, A5 □, 13 × 19 □, 12 × 18 □, 11 × 17 □, 8.5 × 14 □, 8.5 × 11 □/□, 7.25 × 10.5 □/□, 5.5 × 8.5 □, 8K □, 16K □/□, Foolscap* • Tab Paper: A4T □, 8.5 × 11T □ • Custom: Width 182 mm to 331 mm, Length 139 mm to 483 mm / Width 7.17" to 13.03", Length 5.47" to 19.02" <p>*Foolscap refers to 8.5 × 13 □, 8.25 × 13 □, 8.12 × 13.25 □, or 8 × 13 □.</p>
Storage capacity	500 sheets (80 g/m ² / 21 lb Bond) for each

► **Post Inserter PI-502**

To use **Post Inserter PI-502**, mount it in one of **Finisher FS-531/FS-532/FS-612**. You can load paper into the upper and lower trays of **Post Inserter PI-502** and feed paper to an output-related optional device. On the control panel of **Post Inserter PI-502**, you can configure the punch, staple, or fold function for paper to be fed from the lower tray (the configurable function varies depending on finisher models). For details, refer to the **HTML User's Guide**.



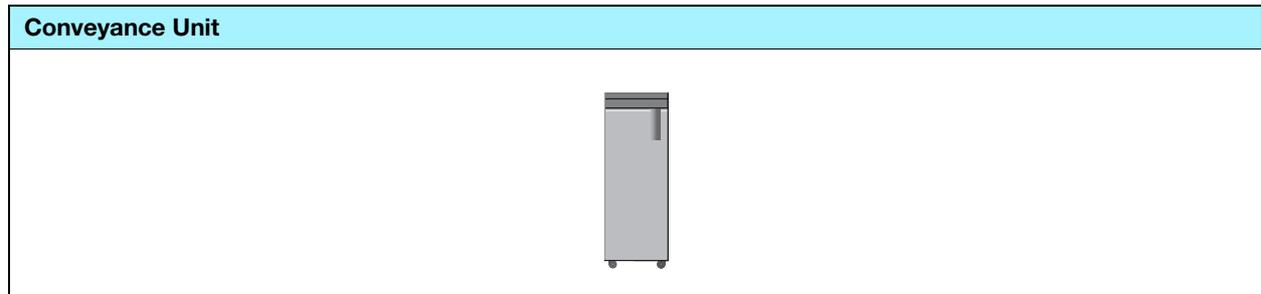
Specifications	
Paper weight	50 g/m ² to 300 g/m ² / 13 lb Bond to 81 lb Bond
Paper size	<p>Upper tray</p> <ul style="list-style-type: none"> A4 , B5 , A5 , 8.5 × 11 , 7.25 × 10.5 , 5.5 × 8.5 , 16K  Custom: Width 182 mm to 330.0 mm, Length 139 mm to 297 mm / Width 7.17" to 12.99", Length 5.47" to 11.69" <p>Lower tray</p> <ul style="list-style-type: none"> A3 , B4 , SRA4 , A4 , B5 , A5 , 12 × 18 , 11 × 17 , 8.5 × 14 , 8.5 × 11 , 7.25 × 10.5 , 5.5 × 8.5 , 8K , 16K , Foolscap* Custom: Width 182 mm to 330.0 mm, Length 139 mm to 482.0 mm / Width 7.17" to 12.99", Length 5.47" to 18.98" <p>*Foolscap refers to 8.5 × 13 , 8.25 × 13 , 8.12 × 13.25 , or 8 × 13 .</p>
Storage capacity	200 sheets (80 g/m ² / 21 lb Bond) or within 30 mm / 1.18" thick for the upper tray and lower tray each

Output-related optional devices

Reference

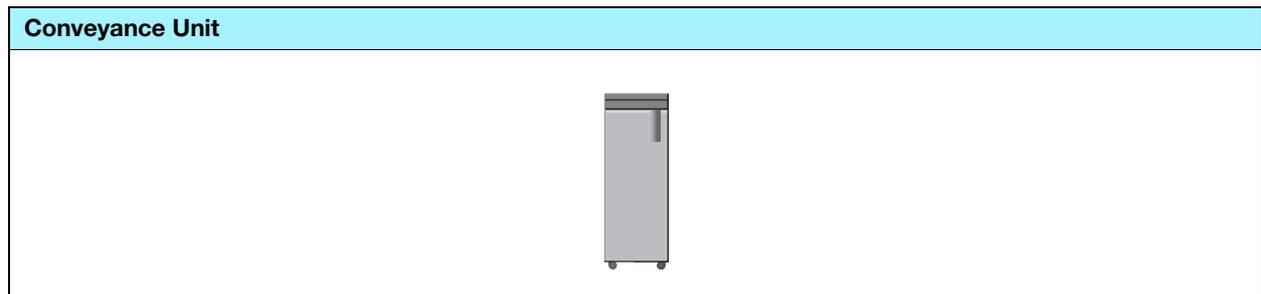
The paper size and weight vary depending on conditions such as setting or finishing. For details about the detailed conditions or specifications, refer to the **HTML User's Guide**.

► Relay Unit RU-509



Specifications	
Function	<ul style="list-style-type: none"> Paper cooling Mechanical or humidifier curl adjustment (The humidifier curl adjustment requires an optional Humidifier HM-102.) Color Density Control
Paper weight	40 g/m ² to 350 g/m ² / 11 lb Bond to 93 lb Bond
Paper size	<ul style="list-style-type: none"> SRA3 , A3 , B4 , SRA4 , A4 , B5 , A5 , B6 , A6 , 13 × 19 , 12 × 18 , 11 × 17 , 8.5 × 14 , 9 × 11 , 8.5 × 11 , 7.25 × 10.5 , 5.5 × 8.5 , 8K , 16K , Foolscap* Tab Paper: A4T , 8.5 × 11T Custom: Width 100 mm to 330 mm, Length 140 mm to 487 mm / Width 3.94" to 12.99", Length 5.51" to 19.17" <p>*Foolscap refers to 8.5 × 13 , 8.25 × 13 , 8.12 × 13.25 , or 8 × 13 .</p>

► Relay Unit RU-510

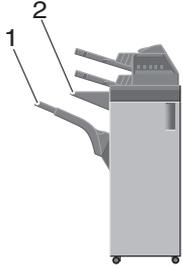
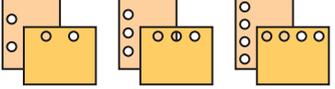


Specifications	
Function	<ul style="list-style-type: none"> Multi reversed paper conveyance Reversed paper conveyance Straight delivery
Paper weight	40 g/m ² to 350 g/m ² / 11 lb Bond to 93 lb Bond

7.4 Major Specifications

Specifications	
Paper size	<ul style="list-style-type: none"> SRA3 ☐, A3 ☐, B4 ☐, SRA4 ☐/□, A4 ☐/□, B5 ☐/□, A5 ☐/□, A6 ☐, 13 × 19 ☐, 12 × 18 ☐, 11 × 17 ☐, 8.5 × 14 ☐, 9 × 11 □, 8.5 × 11 ☐/□, 5.5 × 8.5 ☐/□, 8K ☐, 16K ☐/□, Foolscap* Tab Paper: A4T □, 8.5 × 11T □ Custom: Width 95 mm to 331 mm, Length 133 mm to 488 mm / Width 3.74" to 13.03", Length 5.24" to 19.21" <p>*Foolscap refers to 8.5 × 13 ☐, 8.25 × 13 ☐, 8.12 × 13.25 ☐, or 8 × 13 ☐.</p>

► Folding Unit FD-503

Output tray	Function			
 <p>1: Primary (main) tray 2: Multi folder tray</p>	Half-Fold 	Tri-Fold-in 	Tri-Fold-out 	Z-Fold 
	Gate 	Double Parallel 	Punch 	

Specifications: Straight delivery	
Paper weight	40 g/m ² to 350 g/m ² / 11 lb Bond to 93 lb Bond
Paper size	<p>Primary (main) tray</p> <ul style="list-style-type: none"> SRA3 ☐, A3 ☐, B4 ☐, SRA4 ☐/□, A4 ☐/□, B5 ☐/□, A5 ☐/□, B6 ☐, 13 × 19 ☐, 12 × 18 ☐, 11 × 17 ☐, 9 × 11 □, 8.5 × 14 ☐, 8.5 × 11 ☐/□, 7.25 × 10.5 ☐/□, 5.5 × 8.5 ☐/□, 8K ☐, 16K ☐/□, Foolscap* Tab Paper: A4T □, 8.5 × 11T □ Custom: Width 95 mm to 331 mm, Length 139 mm to 483 mm / Width 3.74" to 13.03", Length 5.47" to 19.02" <p>*Foolscap refers to 8.5 × 13 ☐, 8.25 × 13 ☐, 8.12 × 13.25 ☐, or 8 × 13 ☐.</p>
Sheet volume	<p>Primary (main) tray</p> <ul style="list-style-type: none"> 2,500 sheets (80 g/m² / 21 lb Bond): A4 ☐/□, B5 ☐/□, 9 × 11 □, 8.5 × 11 ☐/□, 7.25 × 10.5 ☐/□, 16K ☐/□ 1,500 sheets (80 g/m² / 21 lb Bond): SRA3 ☐, A3 ☐, B4 ☐, SRA4 ☐/□, 13 × 19 ☐, 12 × 18 ☐, 11 × 17 ☐, 8.5 × 14 ☐, 8K ☐, Foolscap* 500 sheets (80 g/m² / 21 lb Bond): A5 ☐/□, B6 ☐, 5.5 × 8.5 ☐/□ <p>Multi folder tray 200 sheets</p> <p>*Foolscap refers to 8.5 × 13 ☐, 8.25 × 13 ☐, 8.12 × 13.25 ☐, or 8 × 13 ☐.</p>

Specifications: Half-Fold, Tri-Fold-in, Tri-Fold-out, Z-Fold, Gate, Double Parallel Fold	
Paper weight	<p>Primary (main) tray</p> <ul style="list-style-type: none"> Half-Fold, Tri-Fold-in, Tri-Fold-out, Z-Fold: 50 g/m² to 130 g/m² / 13 lb Bond to 34 lb Bond Double Parallel, Gate: 50 g/m² to 91 g/m² / 13 lb Bond to 24 lb Bond <p>Multi folder tray</p> <ul style="list-style-type: none"> Tri-Fold-in, Tri-Fold-out: 50 g/m² to 130 g/m² / 13 lb Bond to 34 lb Bond Double Parallel, Gate: 50 g/m² to 91 g/m² / 13 lb Bond to 24 lb Bond
Paper size	<p>Multi folder tray</p> <ul style="list-style-type: none"> A3 ☐, B4 ☐, SRA4 ☐, A4 ☐, 12 × 18 ☐, 11 × 17 ☐, 8.5 × 14 ☐, 8.5 × 11 ☐, 8K ☐ Custom: Width 210 mm to 305 mm, Length 279 mm to 458 mm / Width 8.27" to 12.01", Length 10.98" to 18.03"
Sheet volume	<p>Multi folder tray</p> <p>30 copies or more (All fold types: 80 g/m² / 21 lb Bond or less)</p>

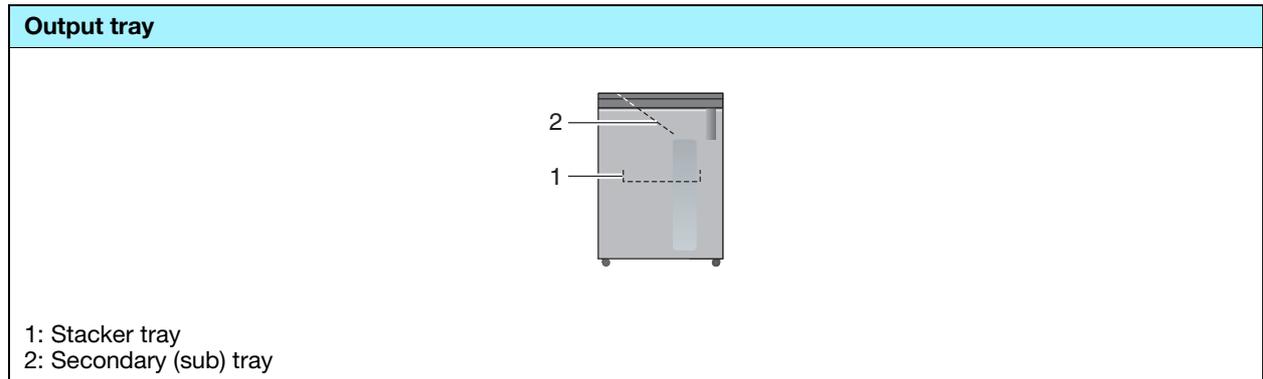
Specifications: Punch	
Number of punch holes	<ul style="list-style-type: none"> Metric area: 2 holes/4 holes Inch area: 2 holes/3 holes
Hole diameter	6.5 +/- 0.5 mm / 0.26" (2 holes/4 holes), 8.0 +/- 0.5 mm / 0.31" (3 holes)
Hole pitch	<ul style="list-style-type: none"> Metric area: 80 +/- 0.5 mm / 3.1" (2 holes/4 holes) Inch area: 70 +/- 0.5 mm / 2.76" (2 holes), 108 +/- 0.5 mm / 4.25" (3 holes)
Paper weight	50 g/m ² to 216 g/m ² / 13 lb Bond to 57 lb Bond Punch (2-sheet set): 50 g/m ² to 91 g/m ² / 13 lb Bond to 24 lb Bond
Paper size	<ul style="list-style-type: none"> 2 holes: A3 ☐, B4 ☐, SRA4 ☐, A4 ☐/☐, B5 ☐/☐, A5 ☐/☐, 12 × 18 ☐, 11 × 17 ☐, 9 × 11 ☐, 8.5 × 14 ☐, 8.5 × 11 ☐/☐, 7.25 × 10.5 ☐/☐, 5.5 × 8.5 ☐, 8K ☐, 16K ☐/☐, Foolscap* Tab paper: A4T ☐, 8.5 × 11T ☐ 3 holes, 4 holes: A3 ☐, B4 ☐, A4 ☐, B5 ☐, 12 × 18 ☐, 11 × 17 ☐, 9 × 11 ☐, 8.5 × 11 ☐, 8K ☐, 16K ☐ Tab paper: A4T ☐, 8.5 × 11T ☐ <p>*Foolscap refers to 8.5 × 13 ☐, 8.25 × 13 ☐, 8.12 × 13.25 ☐, or 8 × 13 ☐.</p>
Sheet volume	Refer to the number of sheets loadable in the main tray for straight delivery.

► Large Capacity Stacker LS-505



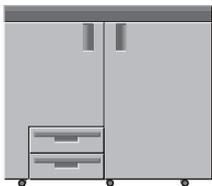
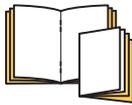
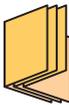
Specifications	
Function	<ul style="list-style-type: none"> Stacker tray with carriage Sort output / group output (Offset output enabled)
Paper weight	<p>Stacker tray: 50 g/m² to 244 g/m² / 13 lb Bond to 65 lb Bond</p> <p>Secondary (sub) tray: 40 g/m² to 350 g/m² / 11 lb Bond to 93 lb Bond</p>
Paper size	<p>Stacker tray</p> <ul style="list-style-type: none"> SRA3 ☐, A3 ☐, B4 ☐, SRA4 ☐/☐, A4 ☐/☐, B5 ☐, A5 ☐, 13 × 19 ☐, 12 × 18 ☐, 11 × 17 ☐, 9 × 11 ☐, 8.5 × 14 ☐, 8.5 × 11 ☐/☐, 7.25 × 10.5 ☐, 8K ☐, 16K ☐, Foolscap* Tab Paper: A4T ☐, 8.5 × 11T ☐ (Tabs 1 to 15: Note that tabs 4 and 10 are not available) Custom: Width 210 mm to 331 mm, Length 148 mm to 483 mm / Width 8.27" to 13.03", Length 5.83" to 19.02" <p>Secondary (sub) tray</p> <ul style="list-style-type: none"> SRA3 ☐, A3 ☐, B4 ☐, SRA4 ☐/☐, A4 ☐/☐, B5 ☐/☐, A5 ☐/☐, B6 ☐, A6 ☐, 13 × 19 ☐, 12 × 18 ☐, 11 × 17 ☐, 9 × 11 ☐, 8.5 × 14 ☐, 8.5 × 11 ☐/☐, 7.25 × 10.5 ☐/☐, 5.5 × 8.5 ☐, 8K ☐, 16K ☐/☐, Foolscap* Tab Paper: A4T ☐, 8.5 × 11T ☐ Custom: Width 95 mm to 331 mm, Length 139 mm to 488 mm / Width 3.74" to 13.03", Length 5.47" to 19.21" <p>*Foolscap refers to 8.5 × 13 ☐, 8.25 × 13 ☐, 8.12 × 13.25 ☐, or 8 × 13 ☐.</p>

► Large Capacity Stacker LS-506



Specifications	
Function	<ul style="list-style-type: none"> Stacker tray with carriage Sort output / group output (Offset output enabled)
Paper weight	<p>Stacker tray: 50 g/m² to 350 g/m² / 13 lb Bond to 93 lb Bond</p> <p>Secondary (sub) tray: 40 g/m² to 350 g/m² / 11 lb Bond to 93 lb Bond</p>
Paper size	<p>Stacker tray</p> <ul style="list-style-type: none"> SRA3 ☐, A3 ☐, B4 ☐, SRA4 ☐/☐, A4 ☐/☐, B5 ☐, A5 ☐, 13 × 19 ☐, 12 × 18 ☐, 11 × 17 ☐, 9 × 11 ☐, 8.5 × 14 ☐, 8.5 × 11 ☐/☐, 7.25 × 10.5 ☐, 8K ☐, 16K ☐, Foolscap* Tab Paper: A4T ☐, 8.5 × 11T ☐ (Tabs 1 to 15: Note that tabs 4 and 10 are not available) Custom: Width 210 mm to 331 mm, Length 148 mm to 488 mm / Width 8.27" to 13.03", Length 5.83" to 19.02" <p>Secondary (sub) tray</p> <ul style="list-style-type: none"> SRA3 ☐, A3 ☐, B4 ☐, SRA4 ☐/☐, A4 ☐/☐, B5 ☐/☐, A5 ☐/☐, B6 ☐, A6 ☐, 13 × 19 ☐, 12 × 18 ☐, 11 × 17 ☐, 9 × 11 ☐, 8.5 × 14 ☐, 8.5 × 11 ☐/☐, 7.25 × 10.5 ☐/☐, 5.5 × 8.5 ☐, 8K ☐, 16K ☐/☐, Foolscap* Tab Paper: A4T ☐, 8.5 × 11T ☐ Custom: Width 95 mm to 331 mm, Length 139 mm to 488 mm / Width 3.74" to 13.03", Length 5.47" to 19.21" <p>*Foolscap refers to 8.5 × 13 ☐, 8.25 × 13 ☐, 8.12 × 13.25 ☐, or 8 × 13 ☐.</p>

► Saddle Stitcher SD-506

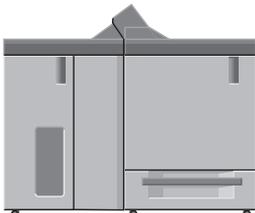
Output tray	Function			
	Fold & Staple 	Multi Half-Fold 	Multi Tri-Fold 	Multi Half-Fold + Trimming 

Specifications: Fold & Staple	
Paper weight	50 g/m ² to 244 g/m ² / 13 lb Bond to 65 lb Bond
Paper size	<ul style="list-style-type: none"> SRA3 ☐, A3 ☐, B4 ☐, SRA4 ☐, A4 ☐, B5 ☐, 12 × 18 ☐, 11 × 17 ☐, 8.5 × 14 ☐, 8.5 × 11 ☐, 7.25 × 10.5 ☐, 8K ☐, 16K ☐, Foolscap* Custom: Width 182 mm to 324 mm, Length 257 mm to 463 mm / Width 7.17" to 12.76", Length 10.12" to 18.23" <p>*Foolscap refers to 8.5 × 13 ☐, 8.25 × 13 ☐, 8.12 × 13.25 ☐, or 8 × 13 ☐.</p>
Sheet volume	Maximum number of folded and stapled sheets: 50 g/m ² to 81 g/m ² / 13 lb Bond to 22 lb Bond: 50 sheets or 49 sheets + 1 sheet (200 g/m ² / 53 lb Bond) 82 g/m ² to 91 g/m ² / 22 lb Bond to 24 lb Bond: 30 sheets or 29 sheets + 1 sheet (200 g/m ² / 53 lb Bond) 92 g/m ² to 130 g/m ² / 24 lb Bond to 35 lb Bond: 20 sheets or 19 sheets + 1 sheet (200 g/m ² / 53 lb Bond) 131 g/m ² to 161 g/m ² / 35 lb Bond to 43 lb Bond: 15 sheets or 14 sheets + 1 sheet (200 g/m ² / 53 lb Bond) 162 g/m ² to 209 g/m ² / 43 lb Bond to 56 lb Bond: 10 sheets 210 g/m ² to 244 g/m ² / 56 lb Bond to 65 lb Bond: 5 sheets

Specifications: Multi Half- Fold / Multi Tri-Fold	
Paper weight	Multi Half- Fold: 50 g/m ² to 244 g/m ² / 13 lb Bond to 65 lb Bond Multi Tri-Fold: 50 g/m ² to 91 g/m ² / 13 lb Bond to 24 lb Bond
Paper size	Half-Fold output <ul style="list-style-type: none"> SRA3 ☐, A3 ☐, B4 ☐, SRA4 ☐, A4 ☐, B5 ☐, 12 × 18 ☐, 11 × 17 ☐, 8.5 × 14 ☐, 8.5 × 11 ☐, 7.25 × 10.5 ☐, 8K ☐, 16K ☐, Foolscap* Custom: Width 182 mm to 324 mm, Length 257 mm to 463 mm / Width 7.17" to 12.76", Length 10.12" to 18.23" Tri-Fold output <ul style="list-style-type: none"> A4 ☐, 8.5 × 11 ☐ <p>*Foolscap refers to 8.5 × 13 ☐, 8.25 × 13 ☐, 8.12 × 13.25 ☐, or 8 × 13 ☐.</p>
Sheet volume	Maximum number of multiple sheets <ul style="list-style-type: none"> Multi Half-Fold <ul style="list-style-type: none"> 50 g/m² to 81 g/m² / 13 lb Bond to 22 lb Bond: 5 sheets 82 g/m² to 130 g/m² / 23 lb Bond to 34 lb Bond: 3 sheets 131 g/m² to 244 g/m² / 36 lb Bond to 65 lb Bond: 2 sheets Multi Tri-Fold <ul style="list-style-type: none"> 50 g/m² to 81 g/m² / 13 lb Bond to 22 lb Bond: 5 sheets 82 g/m² to 91 g/m² / 23 lb Bond to 24 lb Bond: 3 sheets

Specifications: Trim	
Paper weight	50 g/m ² to 244 g/m ² / 13 lb Bond to 65 lb Bond
Paper size	<ul style="list-style-type: none"> SRA3 ☐, A3 ☐, B4 ☐, SRA4 ☐, A4 ☐, B5 ☐, 12 × 18 ☐, 11 × 17 ☐, 8.5 × 14 ☐, 8.5 × 11 ☐, 7.25 × 10.5 ☐, 8K ☐, 16K ☐, Foolscap* Custom: Width 182 mm to 324 mm, Length 257 mm to 463 mm / Width 7.17" to 12.76", Length 10.12" to 18.23" <p>*Foolscap refers to 8.5 × 13 ☐, 8.25 × 13 ☐, 8.12 × 13.25 ☐, or 8 × 13 ☐.</p>
Maximum number of trimmed sheets	50 sheets: (80 g/m ² / 21 lb Bond) × 2 or {49 sheets (80 g/m ² / 21 lb Bond) + 1 sheets (200 g/m ² / 53 lb Bond)} × 2

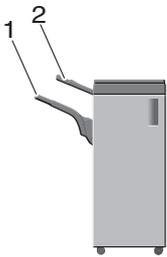
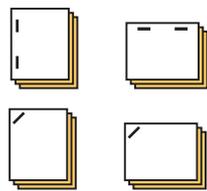
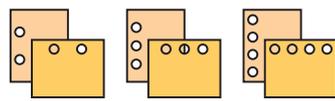
► Perfect Binder PB-503

Output tray	Function
	<p>Perfect binding</p> 

Specifications	
Paper weight	<p>Perfect binder tray</p> <ul style="list-style-type: none"> Body set: 62 g/m² to 105 g/m² / 16 lb Bond to 28 lb Bond Cover: 81 g/m² to 216 g/m² / 22 lb Bond to 57 lb Bond <p>Secondary (sub) tray</p> <ul style="list-style-type: none"> 40 g/m² to 350 g/m² / 11 lb Bond to 93 lb Bond
Paper size	<p>Perfect binder tray</p> <ul style="list-style-type: none"> A4 ☐, B5 ☐, A5 ☐/☐, 8.5 × 11 ☐, 5.5 × 8.5 ☐/☐, 16K ☐ Custom: Width 139 mm to 307 mm, Length 210 mm to 221 mm / Width 5.47" to 12.09", Length 8.27" to 8.7" Cover: Width 139 mm to 307 mm, Length 279 mm to 472 mm / Width 5.47" to 12.09", Length 10.98" to 18.58" <p>Secondary (sub) tray</p> <ul style="list-style-type: none"> SRA3 ☐, A3 ☐, B4 ☐, SRA4 ☐/☐, A4 ☐/☐, B5 ☐/☐, A5 ☐/☐, B6 ☐, A6 ☐, 13 × 19 ☐, 12 × 18 ☐, 11 × 17 ☐, 9 × 11 ☐, 8.5 × 14 ☐, 8.5 × 11 ☐/☐, 7.25 × 10.5 ☐/☐, 5.5 × 8.5 ☐/☐, 8K ☐, 16K ☐/☐, Foolscap* Tab Paper: A4T ☐, 8.5 × 11T ☐ Custom: Width 95 mm to 331 mm, Length 139 mm to 488 mm / Width 3.74" to 13.03", Length 5.47" to 19.21" <p>*Foolscap refers to 8.5 × 13 ☐, 8.25 × 13 ☐, 8.12 × 13.25 ☐, or 8 × 13 ☐.</p>
Number of sheets to be bound	<ul style="list-style-type: none"> Min. 10 sheets to max. 300 sheets, or within 30 mm / 1.18" thick Colored, Coated: max. 150 sheets, or within 15 mm / 0.59" thick <p>Maximum number of Z-folded insertions:</p> <ul style="list-style-type: none"> 4 sheets or less for the duplex printing 2 sheets or less for the simplex printing

► **Finisher FS-531**

To use the punch function, the **Punch Kit PK-512** or **Punch Kit PK-513** is required.

Output tray	Function	
 <p>1: Primary (main) tray 2: Secondary (sub) tray</p>	<p>Staple</p> 	<p>Punch</p> 

Specifications: Straight delivery	
Paper weight	60 g/m ² to 300 g/m ² / 16 lb Bond to 80 lb Bond
Paper size	<p>Primary (main) tray</p> <ul style="list-style-type: none"> • SRA3 ☐, A3 ☐, B4 ☐, SRA4 ☐, A4 ☐/☐, B5 ☐/☐, A5 ☐/☐, B6 ☐, 12 × 18 ☐, 11 × 17 ☐, 8.5 × 14 ☐, 8.5 × 11 ☐/☐, 7.25 × 10.5 ☐/☐, 5.5 × 8.5 ☐/☐, 8K ☐, 16K ☐/☐, Foolscap* • Tab Paper: A4T ☐, 8.5 × 11T ☐ • Custom: Width 182 mm to 314 mm, Length 148 mm to 458 mm / Width 7.17" to 12.36", Length 5.83" to 18.03" • Size only for straight delivery: SRA3 ☐, A5 ☐, B6 ☐, 5.5 × 8.5 ☐, min. 128.0 mm × 139.0 mm / 5.04" × 5.47" <p>Secondary (sub) tray</p> <ul style="list-style-type: none"> • SRA3 ☐, A3 ☐, B4 ☐, SRA4 ☐/☐, A4 ☐/☐, B5 ☐/☐, A5 ☐/☐, B6 ☐, A6 ☐, 13 × 19 ☐, 12 × 18 ☐, 11 × 17 ☐, 8.5 × 14 ☐, 8.5 × 11 ☐/☐, 7.25 × 10.5 ☐/☐, 5.5 × 8.5 ☐/☐, 8K ☐, 16K ☐/☐, Foolscap* • Tab Paper: A4T ☐, 8.5 × 11T ☐ • Custom: Width 100 mm to 331 mm, Length 139 mm to 488 mm / Width 3.94" to 13.01", Length 5.47" to 19.21" <p>*Foolscap refers to 8.5 × 13 ☐, 8.25 × 13 ☐, 8.12 × 13.25 ☐, or 8 × 13 ☐.</p>
Sheet volume	<p>Primary (main) tray</p> <ul style="list-style-type: none"> • 3,000 sheets (80 g/m² / 21 lb Bond): A4 ☐/☐, B5 ☐/☐, 8.5 × 11 ☐/☐, 7.25 × 10.5 ☐/☐, 16K ☐/☐ • 1,500 sheets (80 g/m² / 21 lb Bond): SRA3 ☐, A3 ☐, B4 ☐, SRA4 ☐, 12 × 18 ☐, 11 × 17 ☐, 8.5 × 14 ☐, 8K ☐, Foolscap* • 500 sheets (80 g/m² / 21 lb Bond): A5 ☐/☐, B6 ☐, 5.5 × 8.5 ☐/☐ <p>The number of loadable sheets varies depending on the paper weight category.</p> <ul style="list-style-type: none"> • To 80 g/m² / to 21 lb Bond: 1,500 sheets • 81 g/m² to 135 g/m² / 22 lb Bond to 36 lb Bond: 1,000 sheets • 136 g/m² to 209 g/m² / 37 lb Bond to 56 lb Bond: 700 sheets • 210 g/m² to 300 g/m² / 57 lb Bond to 80 lb Bond: 500 sheets <p>Secondary (sub) tray 100 sheets (80 g/m² / 21 lb Bond)</p> <p>*Foolscap refers to 8.5 × 13 ☐, 8.25 × 13 ☐, 8.12 × 13.25 ☐, or 8 × 13 ☐.</p>

Specifications: Staple				
Paper weight	60 g/m ² to 209 g/m ² / 15 lb Bond to 56 lb Bond			
Paper size	<ul style="list-style-type: none"> A3 ☐, B4 ☐, SRA4 ☐, A4 ☐/☐, B5 ☐/☐, A5 ☐, 11 × 17 ☐, 8.5 × 14 ☐, 8.5 × 11 ☐/☐, 7.25 × 10.5 ☐/☐, 5.5 × 8.5 ☐, 8K ☐, 16K ☐/☐, Foolscap* Tab Paper: A4T ☐, 8.5 × 11T ☐ Custom: Width 182 mm to 314 mm, Length 139 mm to 458 mm / Width 7.17" to 12.36", Length 5.47" to 18.03" <p>*Foolscap refers to 8.5 × 13 ☐, 8.25 × 13 ☐, 8.12 × 13.25 ☐, or 8 × 13 ☐.</p>			
Maximum number of stapled sheets:	Paper weight	Paper type		
		Plain	Fine	Color Specific
	62 g/m ² to 80 g/m ² / 16 lb Bond to 21 lb Bond	50	50	50
	81 g/m ² to 105 g/m ² / 22 lb Bond to 27 lb Bond	40	30	30
	106 g/m ² to 135 g/m ² / 28 lb Bond to 35 lb Bond	30	30	25
	136 g/m ² to 209 g/m ² / 36 lb Bond to 56 lb Bond	20	20	15
Number of stored copies	<ul style="list-style-type: none"> 100 sets (2 to 9 sheets stapled, Paper length: 150 mm to 417 mm / 5.9" to 16.42") 50 sets (2 to 9 sheets stapled, Paper length: Other than the above) 50 sets (10 to 20 sheets stapled) 30 sets (21 to 30 sheets stapled) 25 sets (31 to 40 sheets stapled) 20 sets (41 to 50 sheets stapled) 			

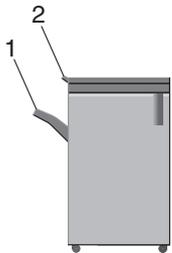
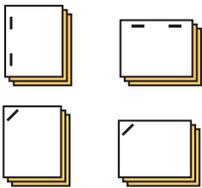
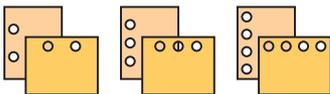
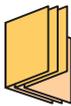
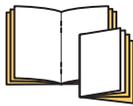
Specifications: Punch (with Punch Kit PK-512 or PK-513 installed)	
Number of punch holes	<p>Punch Kit PK-512</p> <ul style="list-style-type: none"> Metric area: 2 holes/4 holes Inch area: 2 holes/3 holes <p>Punch Kit PK-513</p> <ul style="list-style-type: none"> 4 holes
Hole diameter	<p>Punch Kit PK-512</p> <ul style="list-style-type: none"> 6.5 +/- 0.5 mm / 0.26" (2 holes/4 holes), 8.0 +/- 0.5 mm / 0.31" (3 holes) <p>Punch Kit PK-513</p> <ul style="list-style-type: none"> 6.5 +/- 0.5 mm / 0.26"
Hole pitch	<p>Punch Kit PK-512</p> <ul style="list-style-type: none"> Metric area: 80 +/- 1 mm / 3.15" (2 holes/4 holes) Inch area: 70 +/- 1 mm / 2.76" (2 holes), 108 +/- 1 mm / 4.25" (3 holes) <p>Punch Kit PK-513</p> <ul style="list-style-type: none"> 70 +/- 1 mm / 2.76", 21 +/- 1 mm / 0.83"
Paper weight	60 g/m ² to 128 g/m ² / 15 lb Bond to 33 lb Bond
Paper size	<p>A3 ☐, B4 ☐, SRA4 ☐, A4 ☐/☐, B5 ☐/☐, A5 ☐/☐, 11 × 17 ☐, 8.5 × 14 ☐, 8.5 × 11 ☐/☐, 7.25 × 10.5 ☐/☐, 5.5 × 8.5 ☐, 8K ☐, 16K ☐/☐, Foolscap*</p> <p>*Foolscap refers to 8.5 × 13 ☐, 8.25 × 13 ☐, 8.12 × 13.25 ☐, or 8 × 13 ☐.</p>

Punch Kit PK-513 is available only in Sweden.

► **Finisher FS-532**

To use the punch function, the **Punch Kit PK-522** is required.

Saddle Stitcher SD-510 is required to use the Multi Half-Fold, Multi Tri-Fold, and Fold & Staple functions.

Output tray	Function		
 <p>1: Primary (main) tray 2: Secondary (sub) tray</p>	Staple 	Punch 	
	Multi Half-Fold 	Multi Tri-Fold 	Fold & Staple 

Specifications: Straight delivery	
Paper weight	40 g/m ² to 350 g/m ² / 11 lb Bond to 93 lb Bond
Paper size	<p>Primary (main) tray</p> <ul style="list-style-type: none"> SRA3 ☐, A3 ☐, B4 ☐, SRA4 ☐/☐, A4 ☐/☐, B5 ☐/☐, A5 ☐/☐, B6 ☐, 13 × 19 ☐, 12 × 18 ☐, 11 × 17 ☐, 9 × 11 ☐, 8.5 × 14 ☐, 8.5 × 11 ☐/☐, 7.25 × 10.5 ☐/☐, 5.5 × 8.5 ☐/☐, 8K ☐, 16K ☐/☐, Foolscap* Tab Paper: A4T ☐, 8.5 × 11T ☐ Custom: Width 95 mm to 331 mm, Length 133 mm to 488 mm / Width 3.74" to 13.03", Length 5.24" to 19.21" <p>Secondary (sub) tray</p> <ul style="list-style-type: none"> SRA3 ☐, A3 ☐, B4 ☐, SRA4 ☐/☐, A4 ☐/☐, B5 ☐/☐, A5 ☐/☐, 12 × 18 ☐, 11 × 17 ☐, 9 × 11 ☐, 8.5 × 14 ☐, 8.5 × 11 ☐/☐, 7.25 × 10.5 ☐/☐, 5.5 × 8.5 ☐, 8K ☐, 16K ☐/☐, Foolscap* Tab Paper: A4T ☐, 8.5 × 11T ☐ Custom: Width 95 mm to 331 mm, Length 133 mm to 488 mm / Width 3.74" to 13.03", Length 5.24" to 19.21" <p>*Foolscap refers to 8.5 × 13 ☐, 8.25 × 13 ☐, 8.12 × 13.25 ☐, or 8 × 13 ☐.</p>
Sheet volume	<p>Primary (main) tray</p> <ul style="list-style-type: none"> 2,000 sheets (80 g/m² / 21 lb Bond): SRA3 ☐, A3 ☐, B4 ☐, SRA4 ☐/☐, 13 × 19 ☐, 12 × 18 ☐, 11 × 17 ☐, 8.5 × 14 ☐, 8K ☐, Foolscap* 4,200 sheets (80 g/m² / 21 lb Bond): A4 ☐/☐, B5 ☐/☐, 8.5 × 11 ☐, 9 × 11 ☐, 7.25 × 10.5 ☐, 16K ☐ 750 sheets (80 g/m² / 21 lb Bond): A5 ☐/☐, B6 ☐, 8.5 × 11 ☐, 5.5 × 8.5 ☐/☐, 7.25 × 10.5 ☐, 16K ☐ <p>Secondary (sub) tray 300 sheets (80 g/m² / 21 lb Bond)</p> <p>*Foolscap refers to 8.5 × 13 ☐, 8.25 × 13 ☐, 8.12 × 13.25 ☐, or 8 × 13 ☐.</p>

Specifications: Staple	
Paper weight	50 g/m ² to 300 g/m ² / 13 lb Bond to 81 lb Bond

Specifications: Staple							
Paper size	<ul style="list-style-type: none"> SRA3 ☐, A3 ☐, B4 ☐, SRA4 ☐/☐, A4 ☐/☐, B5 ☐, A5 ☐, 13 × 19 ☐, 12 × 18 ☐, 11 × 17 ☐, 9 × 11 ☐, 8.5 × 14 ☐, 8.5 × 11 ☐/☐, 7.25 × 10.5 ☐, 5.5 × 8.5 ☐, 8K ☐, 16K ☐, Foolscap* Tab Paper: A4T ☐, 8.5 × 11T ☐ Custom: Width 203 mm to 331 mm, Length 139 mm to 488 mm / Width 7.99" to 13.03", Length 5.47" to 19.21" <p>*Foolscap refers to 8.5 × 13 ☐, 8.25 × 13 ☐, 8.12 × 13.25 ☐, or 8 × 13 ☐.</p>						
Maximum number of stapled sheets:	Paper weight	Plain		Fine		Others	
		Length: Less than 400 mm / 15.75"	Length: 400 mm / 15.75" or more	Length: 320 mm / 12.59" or less	Length: 321 to 399 mm / 12.6" to 15.7"	Length: 400 mm / 15.71" or more	Length: 148mm / 5.83" or more
	50 g/m ² to 74 g/m ² / 13 lb Bond to 19 lb Bond	100	50	50	20	-	35
	75 g/m ² to 80 g/m ² / 20 lb Bond to 21 lb Bond	100	50	30	30	30	35
	81 g/m ² to 91 g/m ² / 22 lb Bond to 24 lb Bond	60	50	30	30	30	35
	92 g/m ² to 135 g/m ² / 25 lb Bond to 35 lb Bond	50	50	30	30	30	30
	136 g/m ² to 176 g/m ² / 36 lb Bond to 46 lb Bond	40	40	30	30	30	25
	177 g/m ² to 216 g/m ² / 47 lb Bond to 57 lb Bond	25	25	25	25	25	20
	217 g/m ² to 256 g/m ² / 58 lb Bond to 68 lb Bond	25	25	25	25	25	15
	257 g/m ² to 300 g/m ² / 69 lb Bond to 80 lb Bond	10	10	10	10	10	10

7.4 Major Specifications

Specifications: Staple	
Number of stored copies	<ul style="list-style-type: none"> • 150 sets (2 to 9 sheets stapled, Paper length: 182 mm to 364 mm / 7" to 14" • 75 sets (2 to 9 sheets stapled, Paper length: Other than 182 mm to 364 mm / 7" to 14" • 50 sets (10 to 20 sheets stapled) • 30 sets (21 to 30 sheets stapled) • 25 sets (31 to 40 sheets stapled) • 20 sets (41 to 50 sheets stapled) • 15 sets (51 to 60 sheets stapled) • 10 sets (61 to 100 sheets stapled)

Specifications: Punch (with Punch Kit PK-522 installed)	
Number of punch holes	<ul style="list-style-type: none"> • Metric area: 2 holes/4 holes • Inch area: 2 holes/3 holes
Hole diameter	6.5 mm / 0.26" (2 holes/4 holes), 8.0 mm / 0.31" (3 holes)
Hole pitch	<ul style="list-style-type: none"> • Metric area: 80.0 +/- 1 mm / 3.15" (2 holes/4 holes), 70 +/- 1 mm / 2.76" (4 holes)*, 21 +/- 1 mm / 0.83" (4 holes)* • Inch area: 70 +/- 1 mm / 2.76" (2 holes), 108 +/- 1 mm / 4.25" (3 holes) <p>* Available only in Sweden.</p>
Paper weight	60 g/m ² to 300 g/m ² / 15 lb Bond to 81 lb Bond
Paper size	<ul style="list-style-type: none"> • 2 holes: A3 ☐, B4 ☐, SRA4 ☐, A4 ☐/☐, B5 ☐/☐, A5 ☐/☐, 11 x 17 ☐, 9 x 11 ☐, 8.5 x 14 ☐, 8.5 x 11 ☐/☐, 5.5 x 8.5 ☐/☐, 8K ☐, 16K ☐/☐, Foolscap* • 3 holes, 4 holes: A3 ☐, B4 ☐, A4 ☐, B5 ☐, 11 x 17 ☐, 9 x 11 ☐, 8.5 x 11 ☐, 8K ☐, 16K ☐ <p>*Foolscap refers to 8.5 x 13 ☐, 8.25 x 13 ☐, 8.12 x 13.25 ☐, or 8 x 13 ☐.</p>

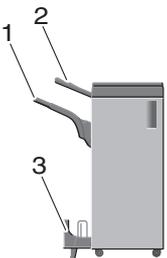
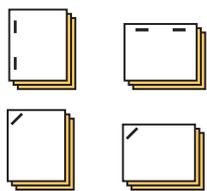
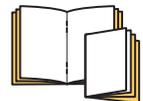
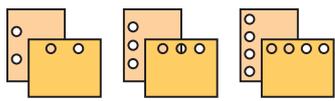
Specifications: Fold & Staple (with Saddle Stitcher SD-510 installed)	
Paper weight	50 g/m ² to 216 g/m ² / 13 lb Bond to 57 lb Bond (Cover: 50 g/m ² to 300 g/m ² / 13 lb Bond to 81 lb Bond)
Paper size	A3 ☐, B4 ☐, A4 ☐, 12 x 18 ☐, 11 x 17 ☐, 8.5 x 14 ☐, 8.5 x 11 ☐, 8K ☐ Custom: Width 120 mm to 331 mm, Length 240 mm to 488 mm / Width 4.72" to 13.03", Length 9.45" to 19.21"
Sheet volume	Maximum number of folded and staples sheets: 50 g/m ² to 61 g/m ² / 13 lb Bond to 16 lb Bond: 25 sheets 62 g/m ² to 80 g/m ² / 17 lb Bond to 21 lb Bond: 20 sheets 81 g/m ² to 91 g/m ² / 22 lb Bond to 24 lb Bond: 16 sheets 92 g/m ² to 216 g/m ² / 25 lb Bond to 57 lb Bond: 5 sheets

Specifications: Multi Half-Fold / Multi Tri-Fold (with Saddle Stitcher SD-510 mounted)	
Paper weight	Multi Half-Fold: 50 g/m ² to 216 g/m ² / 13 lb Bond to 57 lb Bond (Cover: 50 g/m ² to 300 g/m ² / 13 lb Bond to 81 lb Bond) Multi Tri-Fold: 50 g/m ² to 105 g/m ² / 13 lb Bond to 28 lb Bond
Paper size	<ul style="list-style-type: none"> • Multi Half-Fold A3 ☐, B4 ☐, A4 ☐, 12 x 18 ☐, 11 x 17 ☐, 8.5 x 14 ☐, 8.5 x 11 ☐, 8K ☐ Custom: Width 120 mm to 331 mm, Length 240 mm to 488 mm / Width 4.72" to 13.03", Length 9.45" to 19.21" • Multi Tri-Fold A4 ☐, 8.5 x 11 ☐, 16K ☐

Specifications: Multi Half-Fold / Multi Tri-Fold (with Saddle Stitcher SD-510 mounted)	
Sheet volume	<p>Maximum number of multiple sheets</p> <ul style="list-style-type: none"> Multi Half-Fold 50 g/m² to 216 g/m² / 13 lb Bond to 57 lb Bond: 5 sheets 217 g/m² to 300 g/m² / 58 lb Bond to 81 lb Bond: 1 sheets Multi Tri-Fold 50 g/m² to 91 g/m² / 13 lb Bond to 24 lb Bond: 3 sheets 92 g/m² to 105 g/m² / 25 lb Bond to 28 lb Bond: 1 sheet

► **Finisher FS-612**

To use the punch function, the **Punch Kit PK-512** or **PK-513** is required.

Output tray	Function		
 <p>1: Primary (main) tray 2: Secondary (sub) tray 3: Fold/Staple mode tray</p>	<p>Staple</p> 	<p>Fold & Staple</p> 	
	<p>Punch</p> 	<p>Multi Half-Fold</p> 	<p>Tri-Fold</p> 

Specifications: Straight delivery or offset delivery	
Paper weight	60 g/m ² to 300 g/m ² / 16 lb Bond to 80 lb Bond
Paper size	<p>Primary (main) tray</p> <ul style="list-style-type: none"> A3 ☐, B4 ☐, SRA4 ☐, A4 ☐/☐, B5 ☐/☐, A5 ☐, 12 × 18 ☐, 11 × 17 ☐, 9 × 11 ☐, 8.5 × 14 ☐, 8.5 × 11 ☐/☐, 7.25 × 10.5 ☐/☐, 8K ☐, 16K ☐/☐, Foolscap* Tab Paper: A4T ☐, 8.5 × 11T ☐ Custom: Width 182 mm to 314 mm, Length 148 mm to 458 mm / Width 7.17" to 12.36", Length 5.83" to 18.03" Size only for straight delivery: A5 ☐, B6 ☐, 5.5 × 8.5 ☐/☐, min. 128.0 mm × 139.0 mm / 5.04" × 5.47" <p>Secondary (sub) tray</p> <ul style="list-style-type: none"> SRA3 ☐, A3 ☐, B4 ☐, SRA4 ☐/☐, A4 ☐/☐, B5 ☐/☐, A5 ☐/☐, B6 ☐, A6 ☐, 13 × 19 ☐, 12 × 18 ☐, 11 × 17 ☐, 9 × 11 ☐, 8.5 × 14 ☐, 8.5 × 11 ☐/☐, 7.25 × 10.5 ☐/☐, 5.5 × 8.5 ☐/☐, 8K ☐, 16K ☐/☐, Foolscap* Tab Paper: A4T ☐, 8.5 × 11T ☐ Custom: Width 100 mm to 330 mm, Length 140 mm to 487 mm / Width 3.94" to 12.99", Length 5.51" to 19.17" <p>*Foolscap refers to 8.5 × 13 ☐, 8.25 × 13 ☐, 8.12 × 13.25 ☐, or 8 × 13 ☐.</p>
Sheet volume	<p>Primary (main) tray</p> <ul style="list-style-type: none"> 2,500 sheets (80 g/m² / 21 lb Bond): A4 ☐/☐, B5 ☐/☐, 9 × 11 ☐, 7.25 × 10.5 ☐/☐, 8.5 × 11 ☐/☐, 16K ☐/☐ 1,500 sheets (80 g/m² / 21 lb Bond): A3 ☐, B4 ☐, SRA4 ☐, 12 × 18 ☐, 11 × 17 ☐, 8.5 × 14 ☐, 8K ☐, Foolscap* 500 sheets (80 g/m² / 21 lb Bond): A5 ☐/☐, B6 ☐, 5.5 × 8.5 ☐/☐ <p>Secondary (sub) tray 100 sheets (80 g/m² / 21 lb Bond)</p> <p>*Foolscap refers to 8.5 × 13 ☐, 8.25 × 13 ☐, 8.12 × 13.25 ☐, or 8 × 13 ☐.</p>

7.4 Major Specifications

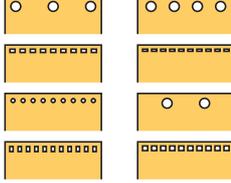
Specifications: Staple	
Paper weight	60 g/m ² to 105 g/m ² / 16 lb Bond to 28 lb Bond
Paper size	<ul style="list-style-type: none"> A3 ☐, B4 ☐, SRA4 ☐, A4 ☐/☐, B5 ☐/☐, A5 ☐, 12 × 18 ☐, 11 × 17 ☐, 9 × 11 ☐, 8.5 × 14 ☐, 8.5 × 11 ☐/☐, 7.25 × 10.5 ☐/☐, 5.5 × 8.5 ☐, 8K ☐, 16K ☐/☐, Foolscap* Tab Paper: A4T ☐, 8.5 × 11T ☐ Custom: Width 182 mm to 314 mm, Length 139 mm to 458 mm / Width 7.17" to 12.36", Length 5.47" to 18.03" <p>*Foolscap refers to 8.5 × 13 ☐, 8.25 × 13 ☐, 8.12 × 13.25 ☐, or 8 × 13 ☐.</p>
Sheet volume	<p>Number of loadable sheets</p> <ul style="list-style-type: none"> 2 to 9 sheets stapled: 100 sets (Paper length: 417 mm / 16" or less), 50 sets (Paper length: 418 mm / 16" or more) 10 to 20 sheets stapled: 50 sets, 21 to 30 sheets stapled: 30 sets, 31 to 40 sheets stapled: 25 sets, 41 to 50 sheets stapled: 20 sets <p>Number of stapled sheets (60 g/m² to 80 g/m² / 16 lb Bond to 21 lb Bond)</p> <ul style="list-style-type: none"> Plain, Fine: 50 sheets Color Specific, Coated: 30 sheets <p>Number of stapled sheets (81 g/m² to 105 g/m² / 22 lb Bond to 28 lb Bond)</p> <ul style="list-style-type: none"> Plain, Fine: 30 sheets Color Specific, Coated: 16 sheets <p>The number of stapled sheets is applied when the total thickness is 5.5 mm / 0.22" or less. Up to two sheets of 200 g/m² / 53.2 lb Bond can be inserted within the number of stapled sheets above.</p>

Specifications: Fold & Staple	
Paper weight	60 g/m ² to 105 g/m ² / 16 lb Bond to 28 lb Bond
Paper size	<ul style="list-style-type: none"> A3 ☐, B4 ☐, SRA4 ☐, A4 ☐, 12 × 18 ☐, 11 × 17 ☐, 8.5 × 14 ☐, 8.5 × 11 ☐, 8K ☐ Custom: Width 210 mm to 314 mm, Length 279 mm to 458 mm / Width 8.27" to 12.36", Length 10.98" to 18.03"
Sheet volume	<p>Number of folded and stapled sheets (60 g/m² to 80 g/m² / 16 lb Bond to 21 lb Bond)</p> <ul style="list-style-type: none"> Plain paper, Fine paper, Color Specific, Coated paper: 20 sheets <p>Number of folded and stapled sheets (81 g/m² to 105 g/m² / 21 lb Bond to 28 lb Bond)</p> <ul style="list-style-type: none"> Plain, Fine: 20 sheets Color Specific, Coated: 16 sheets <p>Up to one sheet of 200 g/m² / 53 lb Bond can be inserted within the number of stapled sheets above.</p> <p>Number of loadable sheets in Fold & Staple</p> <ul style="list-style-type: none"> 5-sheet stapled: 20 sets or more (80 g/m² / 21 lb Bond), 15 sets or more when the paper length is 299 mm / 12" or less (80 g/m² / 21 lb Bond)

Specifications: Half-Fold / Tri-Fold	
Paper weight	60 g/m ² to 105 g/m ² / 16 lb Bond to 28 lb Bond
Paper size	<p>Half-Fold output</p> <ul style="list-style-type: none"> • A3 ☐, B4 ☐, SRA4 ☐, A4 ☐, 12 × 18 ☐, 11 × 17 ☐, 8.5 × 14 ☐, 8.5 × 11 ☐, 8K ☐ • Custom: Width 210 mm to 314 mm, Length 279 mm to 458 mm / Width 8.27" to 12.36", Length 10.98" to 18.03" <p>Tri-Fold output</p> <ul style="list-style-type: none"> • A4 ☐, 8.5 × 11 ☐, 16K ☐
Sheet volume	<ul style="list-style-type: none"> • Number of sheets folded in Multi Half-Fold: 3 sheets (60 g/m² to 105 g/m² / 16 lb Bond to 28 lb Bond) • Number of loadable sheets in Multi Half-Fold: Approx. 33 sets, each of which consists of three sheets folded in Multi Half-Fold (Approx. 25 sets when the paper length is 299 mm / 12" or less) • Number of sheets folded in Tri-Fold: 1 sheet (60 g/m² to 80 g/m² / 16 lb Bond to 21 lb Bond)*, 1 sheet (81 g/m² to 105 g/m² / 22 lb Bond to 28 lb Bond) • Number of loadable sheets in Tri-Fold: Approx. 50 sheets <p>* Up to 3 sheets can be changed. For more information, contact your service representative.</p>

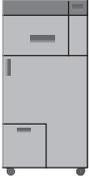
Specifications: Punch (with Punch Kit PK-512 or PK-513 installed)	
For the punch function specifications, refer to the specifications of Finisher FS-531 .	

► Multi Puncher GP-501

Conveyance Unit	Function
	<p>Punch</p> <div style="text-align: center;">  </div> <p>The punch-hole pattern varies according to the die set. For details, refer to the HTML User's Guide.</p>

Specifications	
Function	<p>Bypass mode</p> <ul style="list-style-type: none"> • Transports paper without punch processing. <p>Punch mode</p> <ul style="list-style-type: none"> • Carries out punch processing through a punch path (return path) • Die set model: Die Set DS-501/502/503/504/505/506/507/508/509/510/511/512/513/514/515/516/517/518
Paper weight	<p>Bypass mode</p> <ul style="list-style-type: none"> • 64 g/m² to 350 g/m² / 17 lb Bond to 93 lb Bond <p>Punch mode</p> <ul style="list-style-type: none"> • Plain paper: 75 g/m² to 216 g/m² / 20 lb Bond to 57 lb Bond • Others: 120 g/m² to 216 g/m² / 32 lb Bond to 57 lb Bond <p>When you are using Die Set DS-507 or Die Set DS-514, 200 g/m² / 53 lb Bond is the upper limit.</p>
Paper size	<p>Bypass mode</p> <ul style="list-style-type: none"> • SRA3 ☐, A3 ☐, B4 ☐, SRA4 ☐/☐, A4 ☐/☐, B5 ☐/☐, A5 ☐, 13 × 19 ☐, 12 × 18 ☐, 11 × 17 ☐, 9 × 11 ☐, 8.5 × 14 ☐, 8.5 × 11 ☐/☐, 5.5 × 8.5 ☐, 8K ☐, 16K ☐/☐, Foolscap* • Tab Paper: A4T ☐, 8.5 × 11T ☐ • Custom: Width 95 mm to 330 mm, Length 139 mm to 488 mm / Width 3.74" to 12.99", Length 5.47" to 19.21" <p>Punch mode</p> <ul style="list-style-type: none"> • A4 ☐, 8.5 × 11 ☐ <p>*Foolscap refers to 8.5 × 13 ☐, 8.25 × 13 ☐, 8.12 × 13.25 ☐, or 8 × 13 ☐.</p>

▶ Auto Ring Binder GP-502

Binder Unit	Function
	Bind 

Specifications	
Paper weight	Body: 75 g/m ² to 120 g/m ² / 20 lb Bond to 32 lb Bond Cover: 163 g/m ² to 216 g/m ² / 44 lb Bond to 57 lb Bond Tabbed paper: 163 g/m ² max. / 44 lb Bond max.
Book size (sheets)	Smallest: 5 body sheets (75 g/m ² / 20 lb Bond) + 2 covers (216 g/m ² / 57 lb Bond) Largest: 100 body sheets (75 g/m ² / 20 lb Bond) + 2 covers (216 g/m ² / 57 lb Bond)
Bypass sheet size/weight	Same as main body

Electronic optional devices



Reference

For information about optional devices not described below, refer to the **HTML User's Guide**.

► Image Controller IC-602

Specifications	
Function	Built-in image controller
Capacity	<ul style="list-style-type: none"> HDD capacity: 200 GB or more (The HDD in the main body is used partially.) Memory space: 10 GB or more (Shared with the main body)
Built-in fonts	European 136 fonts
Page description language	Adobe PostScript3 (3019)

► Image Controller IC-415

Specifications	
Function	Built-in image controller
Capacity	<ul style="list-style-type: none"> HDD capacity: 500 GB Memory capacity: 2 GB
Built-in fonts	European 138 fonts
Page description language	Adobe PostScript3 (3019)

► Image Controller IC-308

Specifications	
Function	External print server
Capacity	<ul style="list-style-type: none"> HDD capacity: 1 TB Memory capacity :4 GB
Built-in fonts	European 138 fonts
Page description language	Adobe PostScript3 (3019)

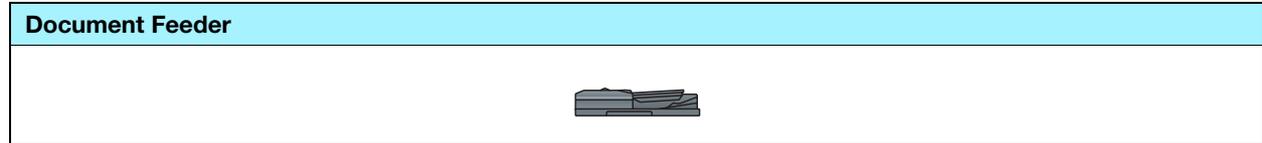
► Authentication Unit AU-201

Specifications	
Function	User Authentication Unit for Non-Contact IC Card Reading
Applied cards	FeliCa, TypeA, FCF, FCF campus, SSFC

Original-related optional devices

► Reverse Automatic Document Feeder DF-626

This device does not support the **Printer Model**.



Specifications	
Function	<ul style="list-style-type: none"> • 1-sided original feeding • 2-sided original feeding
Original type	<ul style="list-style-type: none"> • 1-sided original: 35 g/m² to 210 g/m² / 10 lb Bond to 57 lb Bond • 2-sided original: 50 g/m² to 128 g/m² / 13 lb Bond to 33 lb Bond
Original size	A3  , B4  , A4  , B5  , A5  , B6  , A6  , 11 × 17  , 8.5 × 14  , 8.5 × 11  , 5.5 × 8.5  , 8K  , 16K  , Foolscap* *Foolscap refers to 8.5 × 13  , 8.25 × 13  , 8.12 × 13.25  , or 8 × 13  .
Storage capacity	Max. 100 sheets (80 g/m ² / 21 lb Bond)

7.5 Weight for each size and copying speed

NOTICE

The product specifications are subject to a change without notice.

►Weight for each size

The paper weight (g/m^2 / lb Bond) or ream weight (kg) unit is used to indicate the paper thickness, which varies depending on the manufacturer.

Types of units

- Paper weight (g/m^2): Unit to indicate the weight of one sheet (1 m^2) in grams
- Paper weight (lb Bond): Unit to indicate the weight in pounds
- Ream weight (kg): Unit to indicate the weight of 1,000 sheets with specified size in kilograms

The paper weight is typically used in the machine setting. To convert the paper weight to the ream weight for each format, refer to the following list.

Paper weight (g/m^2 / lb Bond)	Duodecimo (kg)	Standard size of series B (kg)	Octavo (kg)	Standard size of series A (kg)
62 to 74 / 16 to 19	55	53.0	38.0	35.0
	63	61.0	43.5	40.5
75 to 80 / 20 to 21	68	65.5	47.0	43.5
81 to 91 / 22 to 24	70	67.5	48.5	44.5
	73	70.5	50.5	46.5
92 to 105 / 25 to 28	90	87.0	62.5	57.5
106 to 135 / 29 to 36	110	106.0	76.5	70.5
136 to 176 / 37 to 47	135	130.5	93.5	86.5
	150		104.0	
177 to 216 / 48 to 57	160	–	111.0	–
	180		125.0	
217 to 256 / 58 to 68	200	–	139.0	–
	220		153.0	
257 to 300 / 69 to 81	240	–	167.0	–

►Copying speed

This machine contains a **temperature humidity sensor** which automatically controls the copying speed according to the detected internal temperature.

The copying speed varies depending on the selected option for [Speed Setting] in [Weight] under [Paper Setting], the selected option for [CPM Down] in [Process Adjustment], and the selected option for [Glossy].

For information about copying speeds that vary depending on the temperature or settings, refer to the following list.

Reference

For details about [Weight], [Process Adjustment] and [Glossy], refer to the **HTML User's Guide**.

bizhub PRESS C1070/C1070P

Temperature detected by Humidity/Temperature Sensor	Paper weight (g/m ² / lb Bond)	1-minute copying speed (at 1-sided output with plain paper A4 □ / 8.5 × 11 □)	
		Normal setting	When [Glossy] is selected
17°C or higher	62 to 74 / 16 to 19	71 pages (A4 □) 70 pages (8.5 × 11 □)	51 pages
	75 to 80 / 20 to 21		
	81 to 91 / 22 to 24		
	92 to 105 / 25 to 28		
	106 to 135 / 29 to 36		
	136 to 176 / 37 to 47		
	177 to 216 / 48 to 57	51 pages	35 pages
	217 to 256 / 58 to 68		
257 to 300 / 69 to 81	35 pages		
Lower than 17°C	62 to 74 / 16 to 19	71 pages (A4 □) 70 pages (8.5 × 11 □)	51 pages
	75 to 80 / 20 to 21		
	81 to 91 / 22 to 24		
	92 to 105 / 25 to 28		
	106 to 135 / 29 to 36	51 pages	35 pages
	136 to 176 / 37 to 47		
	177 to 216 / 48 to 57		
	217 to 256 / 58 to 68	35 pages	
257 to 300/69 to 81			

7.5 Weight for each size and copying speed

bizhub PRESS C1060

bizhub PRO C1060L

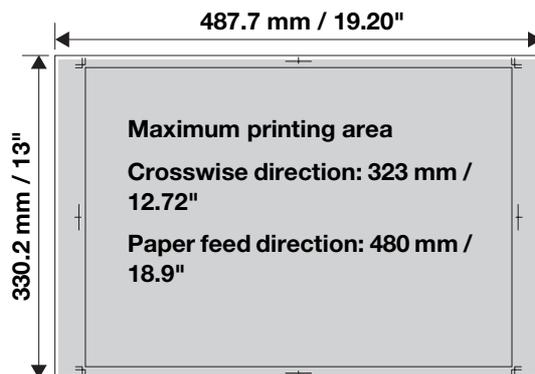
Temperature detected by Humidity/Temperature Sensor	Paper weight (g/m ² / lb Bond)	1-minute copying speed (at 1-sided output with plain paper A4 □ / 8.5 × 11 □)	
		Normal setting	When [Glossy] is selected
17°C or higher	62 to 74 / 16 to 19	61 pages (A4 □) 60 pages (8.5 × 11 □)	45 pages
	75 to 80 / 20 to 21		
	81 to 91 / 22 to 24		
	92 to 105 / 25 to 28		
	106 to 135 / 29 to 36		
	136 to 176 / 37 to 47		
	177 to 216 / 48 to 57	45 pages	30 pages
	217 to 256 / 58 to 68		
257 to 300 / 69 to 81	30 pages		
Lower than 17°C	62 to 74 / 16 to 19	61 pages (A4 □) 60 pages (8.5 × 11 □)	45 pages
	75 to 80 / 20 to 21		
	81 to 91 / 22 to 24		
	92 to 105 / 25 to 28		
	106 to 135 / 29 to 36	45 pages	30 pages
	136 to 176 / 37 to 47		
	177 to 216 / 48 to 57		
	217 to 256 / 58 to 68	30 pages	
	257 to 300 / 69 to 81		

7.6 Maximum paper size and printing area

The maximum paper size and printing area that are available are as follows. Refer them when you output data or perform an imposition printing.

Tips

The following shows the maximum paper size and printing area for **Tray 2** (Main body lower tray). For information about other paper trays, refer to the **HTML User's Guide**.



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