

RISO **A2**

User's Guide

Warning

This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

MASCHINENLÄRMINFORMATION

Maschinenlärminformationsverordnung 3, GPSGV.

06.01.2004:

Der arbeitsplatzbezogene Schalldruckpegel beträgt 72 dB(A) gemäß EN ISO 7779.

Hinweis :

Das Gerät ist nicht für die Benutzung am Bildschirmarbeitsplatz gemäss BildscharbV vorgesehen.

This product contains an RFID (Radio Frequency Identification) System.



R&TTE directive Class1 device

Riso is not responsible for any consequences that might result from the use of this User's Guide.

Riso is not responsible for any direct, incidental, or consequential damages of any nature, or losses or expenses resulting from any errors included in this User's Guide or its provisions, functions or usage.

Riso is not responsible for any damage or expenses that might result from the use of information contained in this User's Guide.

⚠ CAUTION

**For your safety, be sure you read this User's Guide thoroughly before operating this machine.
After reading, keep the User's Guide in a convenient location for future reference.**

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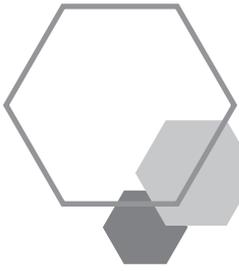
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- As we are constantly improving our products, the printer machine may differ in some respects from the illustrations used in this User's Guide.
- Depending on your system configuration and application software, your screen may look different from the screen shown in this User's Guide. (Screens in this User's Guide are from Windows 7.)
- The information contained in this User's Guide is subject to change without notice.



Contents

Welcome to the RISO A2 Series.....	6
Safety Guide	8
Installation Location	8
Power Connection	9
Grounding	9
Handling	10
Operation	11
Ink	11
Ventilation.....	11
Before Use	12
Connection with a Computer	12
Software	13
Printing Paper	14
Maximum Printing Areas	16
Maximum Printing Area (Maximum Master-Making Area)	17
Function and Name of Each Part.....	18
Paper Feed Tray Side	18
Paper Receiving Tray Side	19
Control Panels	20
Main Control Panel	20
Sub Control Panel	22
Flow of Printing.....	24

1	Basic Operation	25
1.1	Preparing to Print (Printer Machine Side)	26
	Setting up the Paper Feed Tray and Paper	26
	Adding or Replacing Paper	27
	Setting up the Paper Receiving Tray	28
1.2	Preparing to Print (Computer Side)	30
	For a USB Cable Connection	30
	Creating a USB Port	41
	USB Device Association	42
	For a Network Connection (LAN)	43
	Registering Custom-Sized Paper	47
1.3	Printing Data	49
2	Functions to be Set Up with the Printer Driver (Computer Side/Driver Side)	55
2.1	Setting the Printing Preferences.....	56
	[Layout] Tab.....	56
	[Image] Tab	62
	[About] Tab.....	66
3	Printer Edition (Master-making Mode)	67
3.1	Automatic Printing [Auto-process].....	68
3.2	Idling Action [Idling]	70
4	Printer Edition (Print Mode)	71
4.1	Producing Proof Copies [Proof].....	72
4.2	Adjusting the Print Density [Print Density Adjustment].....	73
4.3	Adjusting the Print Position [Print Position Adjustment]	74
	Adjusting the Vertical Position.....	74
	Adjusting the Horizontal Position.....	75
4.4	Changing the Print Speed [Print Speed Adjustment]	76
4.5	Setting the Output for Printing with Special Paper [Paper Ejection Adjustment]	77

5	Advanced Features (Printer Machine Side).....	79
5.1	Automatic Sorting into Groups [Program].....	80
	How to Program Print.....	80
	Setting Up for Programmed Printing.....	81
	Saving Programs.....	84
	Retrieving Programs.....	86
	Making Changes to Stored Programs.....	87
	Clearing Programs.....	88
5.2	Clearing Received Jobs [Clear Job].....	90
5.3	Protecting Confidential Documents [Confidential Mode]	91
5.4	Preventing Paper Jams When Using Special Paper [Double Feed Check]	92
5.5	Customizing Initial Settings [Custom Setting Mode].....	93
	Operation Procedure.....	96
	Registering Paper Ejection Adjustment.....	98
	Machine IP Address Setting.....	102
6	Replacing and Disposing Consumables.....	105
6.1	Replacing the Ink Cartridge	106
6.2	Replacing the Master Roll	109
6.3	Emptying the Master Disposal Box	112
6.4	Collection and Disposal of Depleted Consumables.....	113
6.5	Removing and Installing the Print Drum (Changing the Color).....	114
7	Cleaning.....	117
7.1	Safety Guide - Cleaning.....	118
7.2	Cleaning	119
	Thermal Print Head.....	119
	Pressure Roller.....	120
	Machine Exterior.....	121

8	Troubleshooting	123
8.1	Check & Error Display	124
	Checking with the Check & Error Display	124
8.2	Troubleshooting Tips	133
	Actions on the Machine	133
	Actions using the Printer Driver	139
A	Appendixes	143
A.1	Manually Installing the Printer Driver	144
	For a USB Cable Connection	144
	For a Network Connection	149
A.2	Uninstalling the Printer Driver	153
	Use Uninstaller	153
	Manual Uninstallation	156
A.3	Optional Accessories	158
A.4	Specifications	159
A.5	Index	160



Welcome to the RISO A2 Series

Thank you for purchasing this A2 series printer machine.

This machine can print out any size up to A2 with easy operation.

This User's Guide describes the basic operation of this machine, precautions of use, how to handle and replace the consumables, and troubleshooting. Read this User's Guide thoroughly before operating the machine. Store this User's Guide in a convenient location for easy future reference.

Warning, Caution, and Other Indications

The following symbols are used throughout this User's Guide.



WARNING

Incorrect handling may cause death or serious injury.



CAUTION

Incorrect handling may cause injury or property damage.

IMPORTANT!

Indicates important points or prohibited matters.
Read carefully and follow the instructions.

NOTE

Provides useful information when operating the machine.

TIP

Provides additional hints for more convenience.

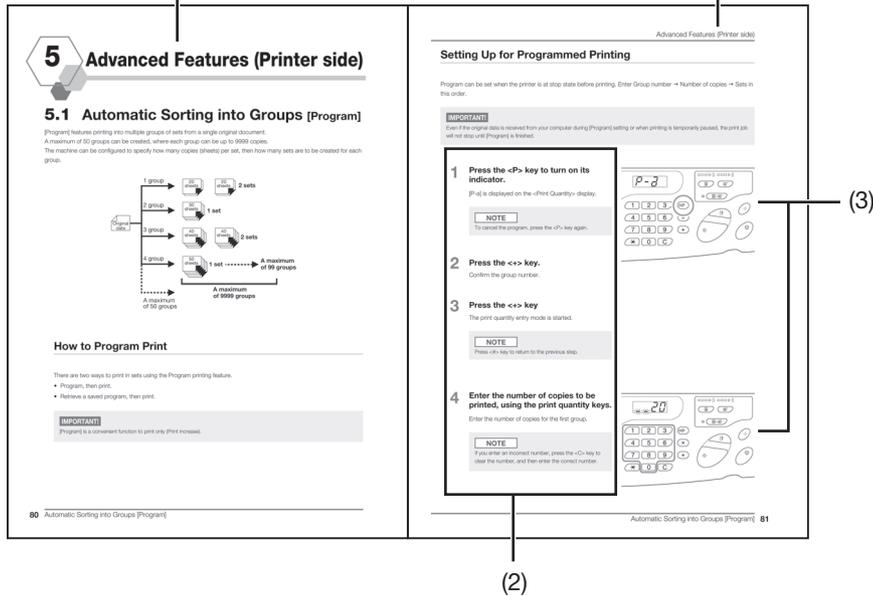


Identifies a reference page.

Operation Procedures and Functions

This User's Guide illustrates functions and operation procedures as follows.

(1)



(2)

(1) **Chapter title**

(2) **Operation procedure**

Step-by-step description of the operation procedure. Follow the steps to operate the machine.

(3) **Operation illustration**

Illustrates the relevant parts of the machine, which are being described in each step.

Safety Guide

This section describes the precautions to be observed when installing the machine. Read this section before installing the machine.

Installation Location

⚠ CAUTION

- Do not place the machine on an unstable surface, such as on an unstable stand or inclined surface. An injury may occur if the machine falls.
- Keep the machine away from dusty or humid environments. Failure to do so may result in fire or electric shock.
- Install the machine near the electrical outlet to avoid using an extension cord between the machine and the electrical outlet.

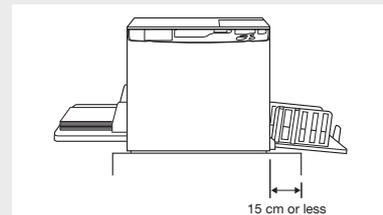
IMPORTANT!

About installation site

- Your dealer (or authorized service representative) will help you to determine a proper location for the machine at the time of delivery.
- The machine should be installed in a fixed location. If you would like to move the machine, contact your dealer (or authorized service representative).
- Avoid installing the machine in the locations listed below. Failure to observe this precaution may lead to machine failure.
 - Locations with exposure to direct sunlight, such as locations close to windows (Curtain all windows that may expose the machine to direct sunlight)
 - Locations that are subject to sudden changes in temperature
 - Extremely hot and humid locations or cold and dry locations
 - Heated locations
 - Locations with exposure to direct cold air, direct hot air, or direct radiant heat
 - Locations of poor permeability and ventilation
- The space between the Paper Receiving Tray side (right side) of the machine and the right most edge of the stand (ex. table) should be no more than 15 cm. Otherwise, the Paper Receiving Tray will hit the surface of the stand, and cannot be positioned correctly.

Operation Environment

- Place the machine on a flat surface. (Levelness: front to back within 10 mm , right to left within 10 mm)
- Operate the machine under the following appropriate environment conditions.
 - Temperature range: 15 °C to 30 °C
 - Humidity range: 40% to 70% (non-condensing)



Power Connection

WARNING

- Use a power supply that meets the electric rating of this machine. Failure to do so may result in fire or electric shock.
- Use a power cable specified by Riso. If the power cord does not meet the electric rating of this machine, it may result in fire or electric shock.
- Do not use a multiple socket adaptor or extension cord, or overload the electrical circuit. If an extension cord is necessary, be sure the extension cord meets the electric rating of this machine. Do not extend the cord for more than 5 m. This may result in fire or electric shock.
- Do not damage, break, or process the power cord. Putting a heavy object on the power cord, or pulling or forcibly bending the cord may result in fire or electric shock.
- Do not plug or unplug the power cord if your hands are wet. This can result in electric shock.

CAUTION

- When unplugging the power cord, remove by holding the plug. Do not pull on the power cord. Failure to do so can damage the cord and result in fire or electric shock.
- Remove the power cord plug from the electrical outlet at least once a year. Clean the prongs and the area around the plug. Dust collected on these areas can result in fire.
- If the machine is unused for long periods of time, unplug the power cord from the outlet for safety reasons.

IMPORTANT!

- To avoid contact failure of the plug with the power supply, ensure the plug is fully inserted into the wall outlet.
- Ensure the POWER switch is turned off when connecting or disconnecting the power cord.
- This machine has an [Auto Power-OFF] function. This turns [OFF] the power of the machine automatically, when the machine is not used for a pre-specified period of time.
☞ p.93 "Customizing Initial Settings [Custom Setting mode] / Auto Power-OFF"

Grounding

WARNING

- Ensure a power plug with a ground conductor is inserted into the wall outlet for proper grounding. When the machine is not grounded, a short circuit may occur, resulting in fire or electric shock.

Handling

⚠ WARNING

- Do not place water containers or metallic objects on the machine. Fire or electric shock may occur if water or metallic objects fall into the machine.
- Do not use combustible spray or flammable solvent near the machine. If sprayed gas and flammable solvent contact electronic components inside the machine, fire or electric shock may occur.
- Do not insert any metallic material or flammable substance into the machine through any opening. This can result in fire or electric shock.
- Do not remove machine covers. Exposing internal parts may result in electric shock.
- Do not disassemble or rebuild the machine by yourself. This can result in fire or electric shock.
- If you continue using the machine when the machine is emitting excessive heat, smoke or foul odors, it may result in fire or electric shock. Turn off the power and unplug the power cord immediately. Then contact your dealer (or authorized service representative).
- If anything falls inside the machine, turn off the power immediately, unplug the power cord and contact your dealer (or authorized service representative). Failure to do so can result in fire or electric shock.
- Do not remove the lithium battery from the machine. The lithium battery may explode when exposed to fire or immersed in water.
When the machine does not function properly because the lithium battery is dead, contact your dealer (or authorized service representative).

⚠ CAUTION

- Never insert fingers, etc. into the openings around the Paper Feed Tray and Paper Receiving Tray. This can result in injury.
- Never touch any operating parts on the machine. This can result in injury.
- When removing the Print Drum, avoid touching it with your hands or clothes. Ink may smear the area around the drum or inside the machine where drum unit was removed. When ink gets on your hands, etc., wash it off with detergent as soon as possible.
- When removing paper or performing maintenance by inside the machine, avoid touching the paper separation hook. The tip of the paper separation hook is sharp and may cause injury.
- Do not place the drum in an upright position. Ink may smudge the floor, etc.
- If you would like to move the machine to another location, contact your dealer (or authorized service representative).
If you move the machine forcibly, it may fall and cause injury.

IMPORTANT!

- The machine contains internal precision and moving parts. Do not handle the machine in a manner other than specified in this guide.
- Riso is not responsible for maintenance of the machine if it removed from the country.

Operation

IMPORTANT!

- Do not unplug the power cord or turn off the power during operation.
- Do not open any covers or move the machine during operation.
- Be sure to open and close all machine covers gently.
- Do not place heavy objects on the machine. The objects may fall and cause injury.
- When you turn the Power switch OFF and then ON again, wait at least 10 seconds.

Ink

⚠ CAUTION

- If ink enters the eyes, flush the eyes immediately with plenty of water.
- If ink comes into contact with the skin, wash the skin thoroughly using soap.
- If the ink is accidentally ingested, force the victim to drink large quantities of water (or milk) without inducing vomiting, and then monitor the condition of the victim.
- If you feel unwell during use, seek medical advice.
- Use the ink only for printing purposes.
- Keep the ink out of the reach of children.

Ventilation

⚠ CAUTION

- When the machine is operated in a poorly ventilated room or in a small room, or when the machine is operated continuously for extended periods of time, ensure there is sufficient ventilation in the room.

Before Use

This section describes the precautions to be observed when installing the machine. Read this section before installing the machine.

Connection with a Computer

By connecting the machine with a computer (OS: Windows XP/Windows Vista/Windows 7/Windows 8/Windows 8.1), you can directly send original data from the computer to the machine for printing.

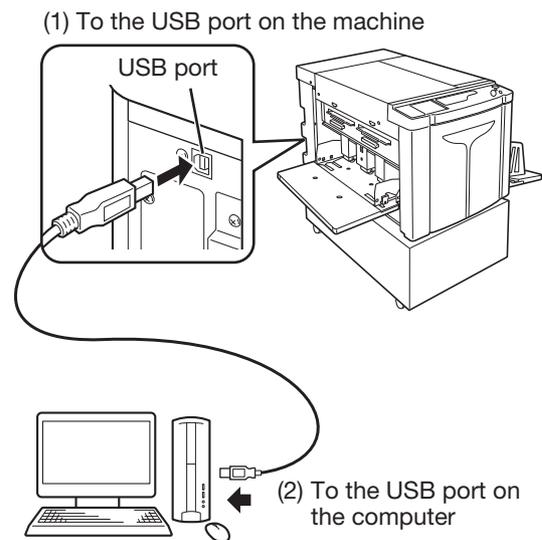
Use a commercially available USB cable (Hi-speed USB, 3 m or less) to connect the machine with a computer.

IMPORTANT!

The maximum allowable voltage for USB connector input and output is 5 V.

NOTE

When connecting the machine with a computer via a network, a RISO Network Card (optional) and a commercial Ethernet cable (shielded cable that supports 10BASE-T or 100BASE-TX) are required. For details, see "RISO Network Card" in the User's Guide.



Software

The supplied CD-ROM contains the following software:

RISO Printer Driver

- This is a printer driver that sends original data to the machine for printing.
- Before printing for the first time, you need to install the Printer Driver.

This Printer Driver supports the following operating systems:

- Windows[®] XP (32-bit)
- Windows Vista[®] (32-bit/64-bit)
- Windows[®] 7 (32-bit/64-bit)
- Windows[®] 8 (32-bit/64-bit)
- Windows[®] 8.1 (32-bit/64-bit)*

*Desktop application only.

- For the set-up procedure and operation, see p.30 "Preparing to Print (Computer Side)" of this User's Guide.

NOTE

RISO Network Card (option)

To use this machine as a network printer from your computer, you need to install a Network Interface (RISO Network Card). (This machine does not support "RISO-MONITOR", "RISO PRINT" and "RisoHoldManager" included in the RISO Network Card.)

Printing Paper

The following figure shows the size and type of paper you can use with this machine.

RISO does not assure that paper outside the above specifications will pass through the machine and can be used for printing.

Usable Printing Paper

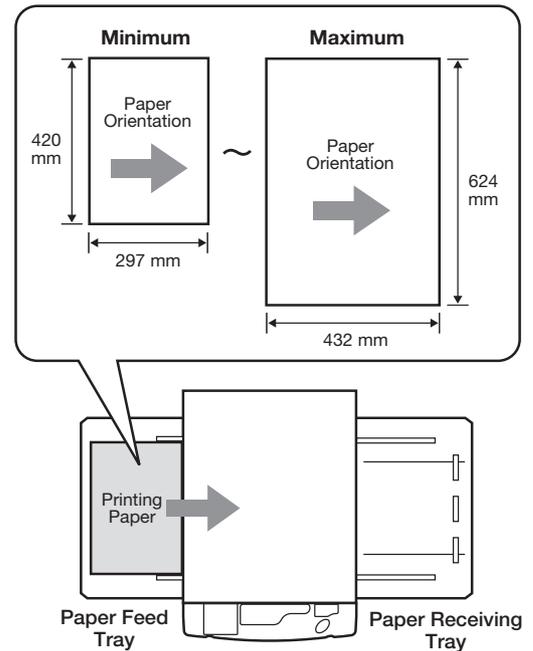
- **Size**

Minimum: 420 mm × 297 mm

Maximum: 624 mm × 432 mm

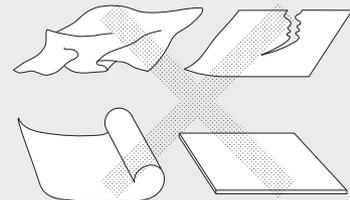
- **Type**

Pure paper, medium quality paper, ground-wood paper, recycled paper, and newsprint paper



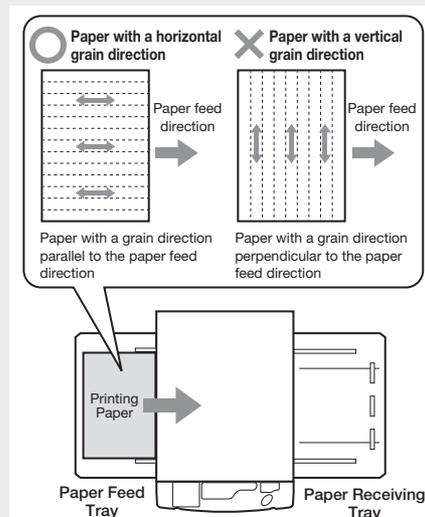
IMPORTANT!

- Ensure larger sized paper than the image used for master-making (or for printing) is used. When the printing paper is smaller than the image used for master-making, the roller inside the machine becomes smudged and can stain the print paper.
- Do not use the following types of paper, as they can cause jams or misfeeds:
 - Extremely thin paper (less than 46 g/m²)
 - Extremely thick or heavy paper (greater than 120 g/m²)
 - Wrinkled, curled, folded, or torn paper
 - Chemically treated paper, such as thermal paper or carbon paper
 - Paper with a coated front or back
 - Paper with sticky sections or holes (such as envelopes or label paper)
- Even paper sizes and weight supported by the machine may not pass through the machine depending on such factors as paper type, ambient conditions, and storage conditions. This should be taken into consideration. For more information, consult your dealer (or authorized service representative). This should be taken into consideration. For more information, consult your dealer (or authorized service representative).



NOTE

Paper with a grain direction perpendicular to the paper feed direction can cause a paper jam. Use paper with a grain direction parallel to the paper feed direction.



Tips for Better Paper Feeding

To prevent paper jams and misfeeds, follow the directions below:

- When using special paper or when the print-out image becomes uneven, adjustments can be made with [Paper Ejection Adjustment]. [p.77 "Setting the Output for Printing with Special Paper \[Paper Ejection Adjustment\]"](#)
- When multiple-sheet feeding or skipped paper occurs, turn the [Stripper Plate Angle Adjustment dial] (three) or the [Paper Stripping Pressure Adjustment dial] (three). Set all three dials to the same setting. [p.137 "Troubleshooting"](#)
If skipped paper persists, set the Paper Feed Pressure Adjustment lever as shown in the figure. [p.136 "Troubleshooting"](#)
- Ensure the Feed Tray Paper Guides and Receiving Tray Paper Guides are set according to the size of the printing paper. [p.26 "Preparing to Print \(Printer Machine Side\)"](#)
- Use unfolded flat printing paper. When curled printing paper needs to be used, place the printing paper with the curled side facing down.
- Paper may stick to the Print Drum surface if the top margin is too narrow on the original or if the upper portion of the original uses a large amount of ink. To solve this problem, lower the print position to provide a wider top margin or reverse the top and bottom of the original. Then restart master-making and printing from the beginning.

Storage Environment

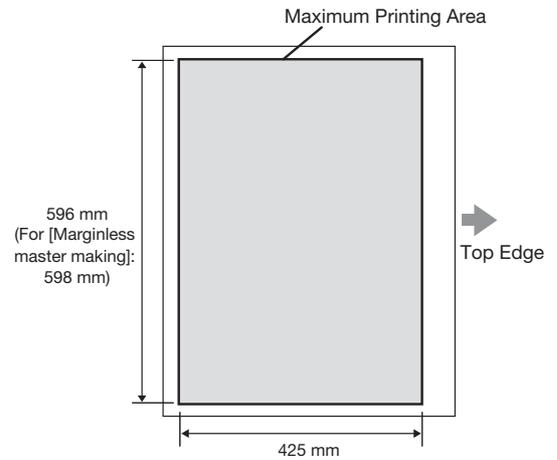
Store printing paper in a dry area. Storing the paper in an excessively humid area can result in paper jams or poor print quality. After unpacking printing paper, keep the remaining paper wrapped and store it in a moisture-proof box. Placing a desiccant in the paper storage box is highly recommended.

Maximum Printing Areas

Maximum Printing Areas

The maximum printing areas of this machine are as follows:

- Normal master-making: 596 mm × 425 mm
- Marginless master-making: 598 mm × 425 mm



IMPORTANT!

- Registrable paper sizes using the Printer Driver are up to 602 mm x 602 mm, however, the actual printable area is the maximum printing area.

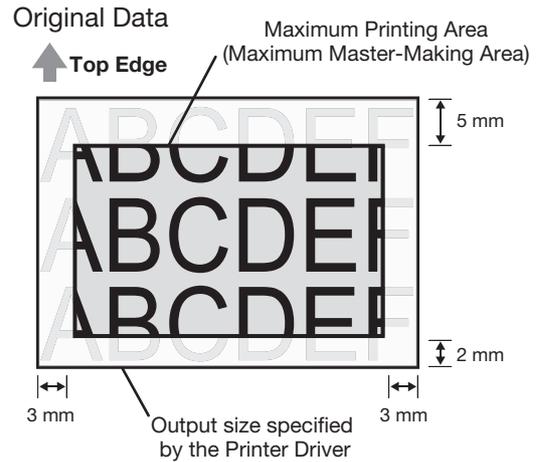
Marginless master-making

- This mode carries out the master-making without margins according to the [Output size] specified by the Printer Driver on the computer. When activating this mode, ensure paper which is larger than the [Output size] specified by the Printer Driver is loaded.
☞ p.59 "Marginless master making"

Maximum Printing Area (Maximum Master-Making Area)

Regardless of the size of original, the Maximum Printing Area (Maximum Master-Making Area) will be determined according to the [Output size] specified by the Printer Driver. The Maximum Printing Area is the "Output size" with no margin shown in the right-hand figure.

- You should prepare the original by taking this margin into consideration.
- Image area outside this Maximum Printing Area are not made into a master.



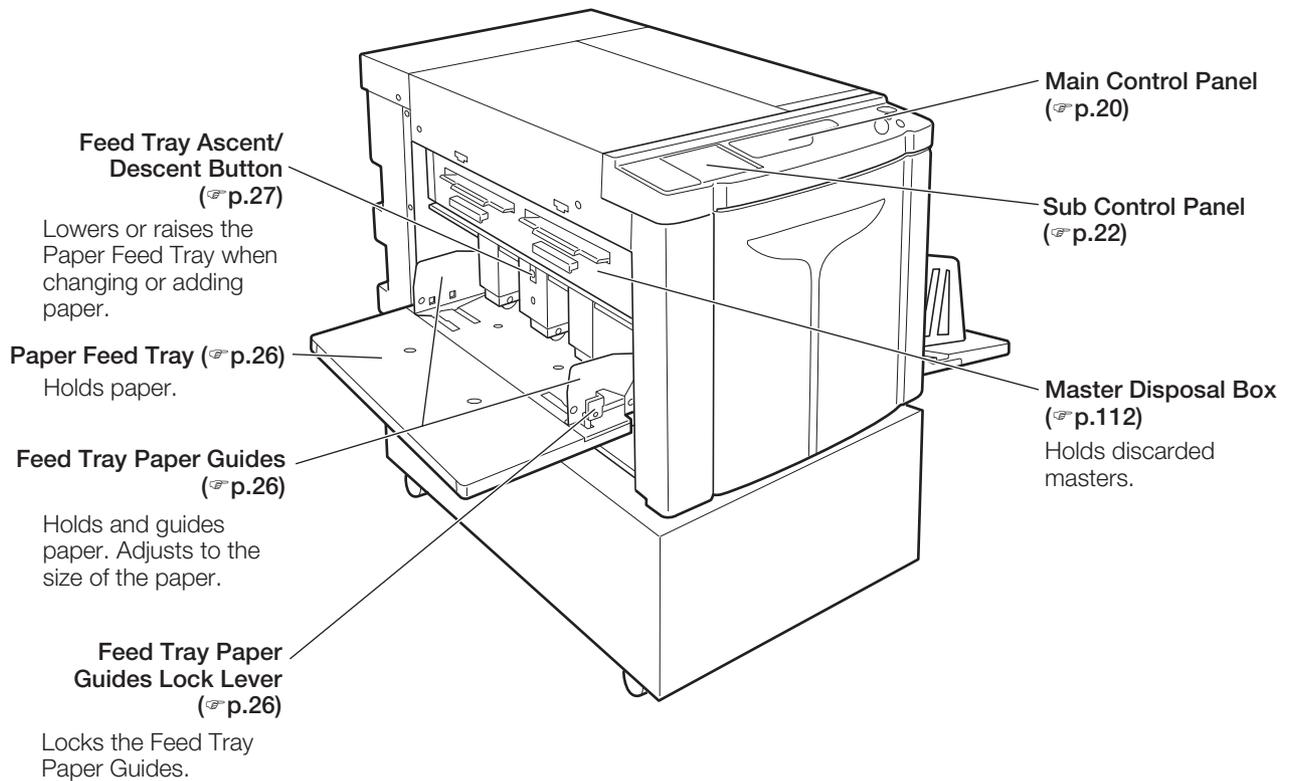
IMPORTANT!

The Paper Size and Print Direction is normally specified by the application software. Be sure that the 'Paper Setting' of the application software, which was used when the original data was prepared, and the [Original Size] and the [Print Direction] specified by the Printer Driver match before you start printing.

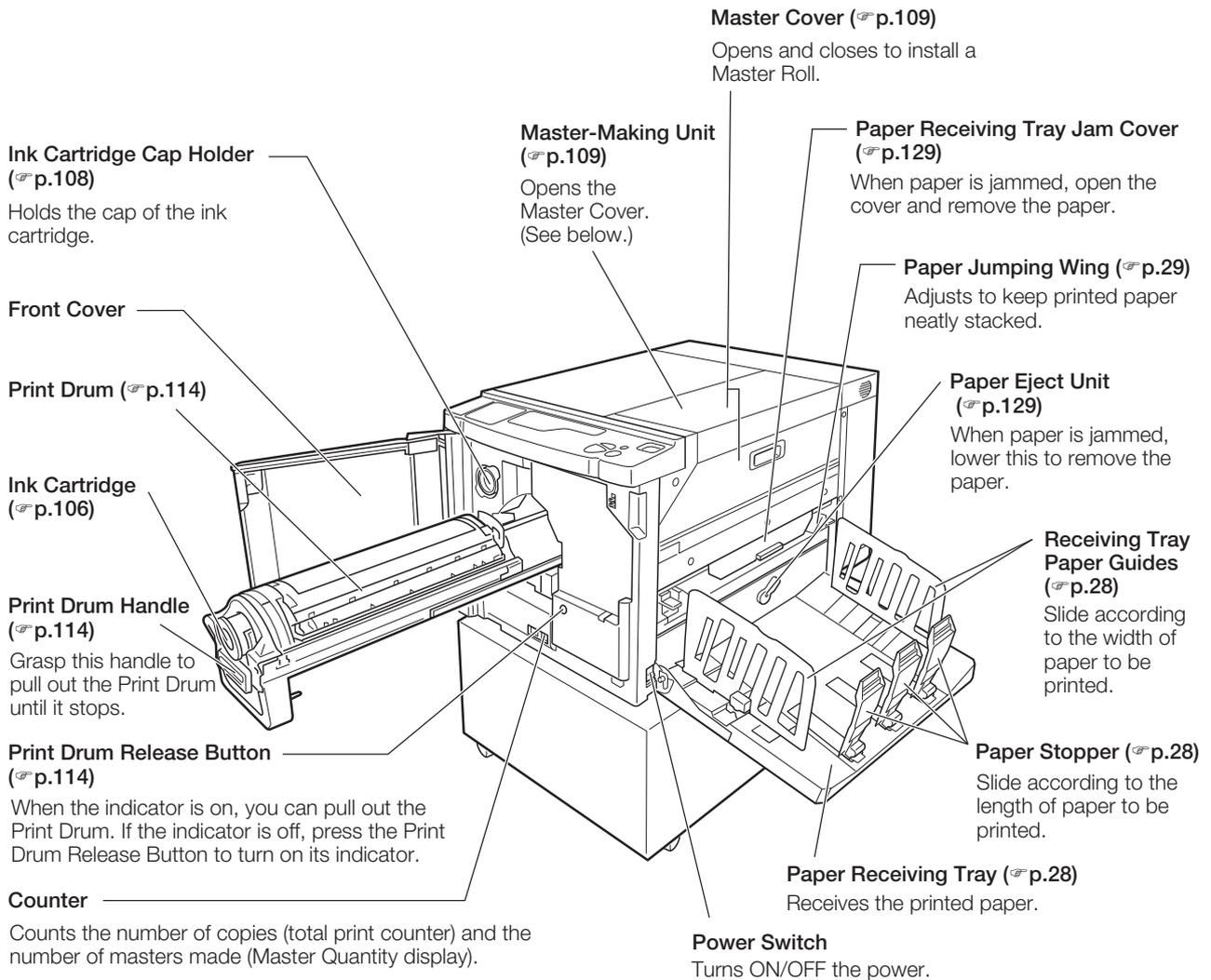
- Direction of the size of paper placed on the Paper Feed Tray of this machine [p.14 "Printing Paper"](#)

Function and Name of Each Part

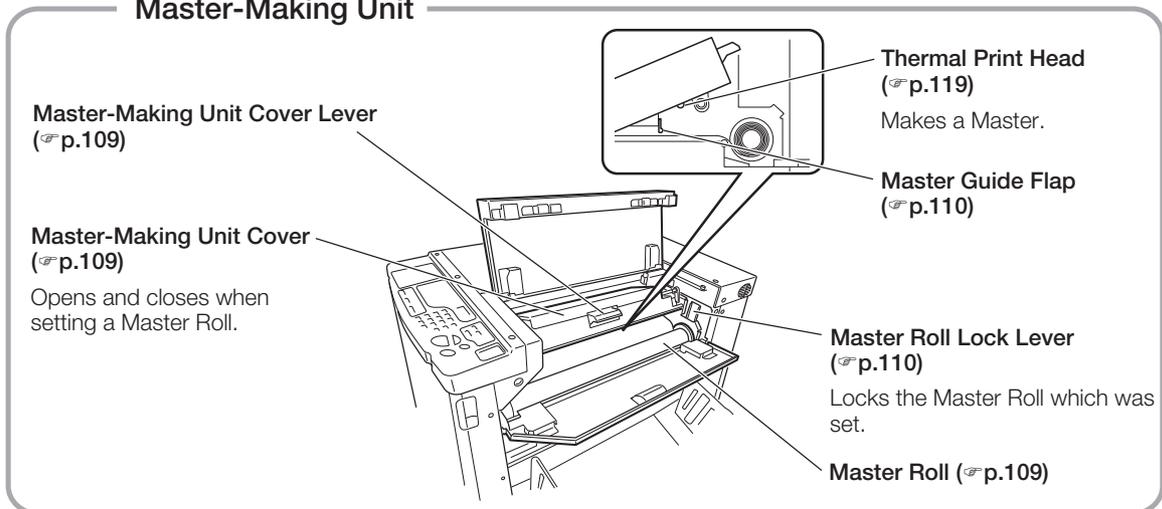
Paper Feed Tray Side



Paper Receiving Tray Side

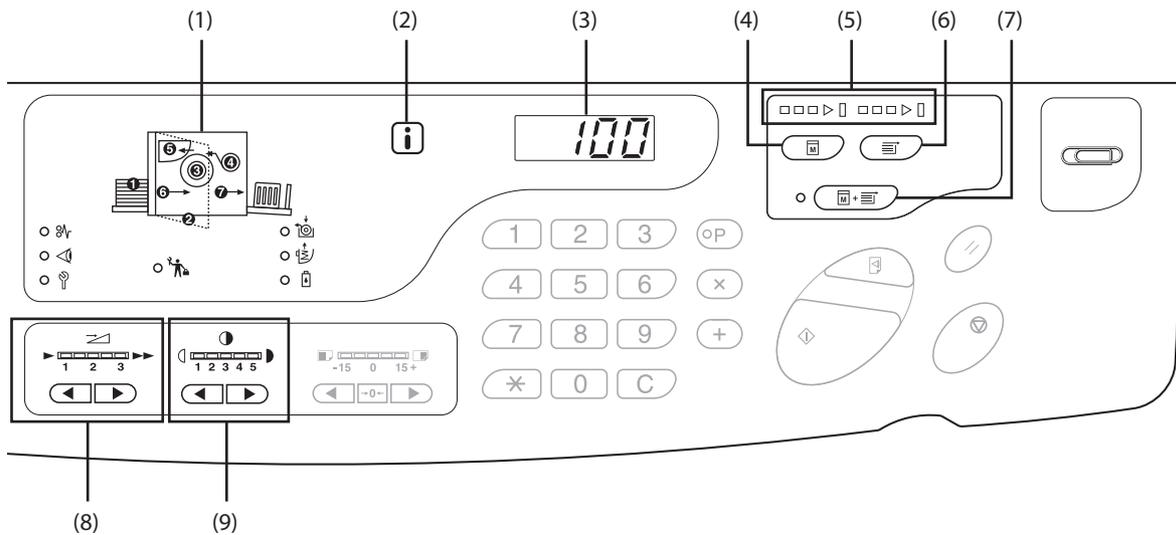


Master-Making Unit



Control Panels

Main Control Panel



(1) Check & Error Display (☞p.124)

Indicates error locations and status.

(2)  Indicator (☞p.124)

(3) Print Quantity Display (Error Number Display)

Shows the number of printed copies, numeric values entered for various settings, and error numbers.

(4) Master-Making Key

Prepares the machine for making masters.

When there is a next page or multiple jobs, press the <Start> key to carry out master-making of the next page.

(5) Progress Arrows (☞p.23)

Indicates master-making and printing progress status.

When making masters is ready, all the indicators above the Master-Making Key light.

When printing is ready, all the indicators above the Print Key light.

(6) Print Key

Prepares the machine for printing.

When you turn the power on, the machine is in the Print mode. You can print additionally using the master attached to the drum at the moment.

(7) Auto-process Key/Indicator (☞p.68)

Performs non-stop operation from master-making through printing.

When activated, the indicator on the left side of the key lights.

You can check the progress status of the master-making/printing using the Progress Arrows.

(8) Print Speed Adjustment Keys/Indicator (☞p.76)

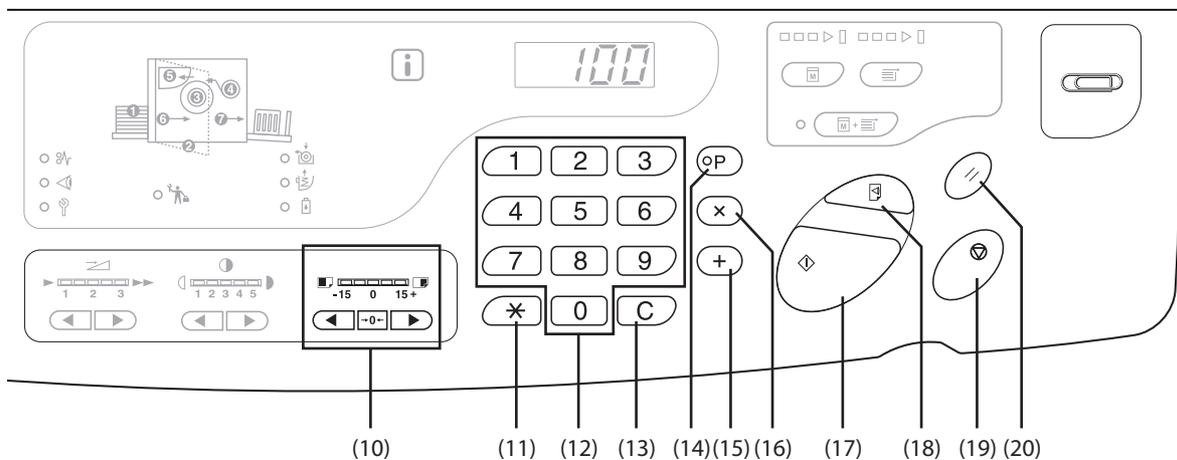
Selects the print speed from three levels.

The indicator above the keys shows the current speed level.

(9) Print Density Adjustment Keys/Indicator (☞p.73)

Selects the print density from five levels.

The indicator above the keys shows the current density level.



(10) Vertical Print Position Adjustment Keys/Indicator (p.74)

Adjusts the print position in the vertical direction (within ± 15 mm) after making a master.

The indicator above the keys shows the offset amount from the center.

To clear the offset amount, press this key.

(11) * Key

Use when setting up for programmed printing.

(12) Print Quantity Keys (0 to 9 keys)

Use to enter the number of copies to be printed or to enter other numeric values.

(13) C Key

Cancels entered numeric values or resets the counter to zero.

(14) P Key/Indicator (p.81)

Allows the machine to print and group copies as specified.

When activated, the indicator above the key lights.

(15) + Key (p.80, p.93)

Use when setting up for programmed printing or when changing the initial settings.

(16) x Key (p.80, p.93)

Use when setting up for programmed printing or when changing the initial settings.

(17) Start Key/Indicator

Starts master-making or printing process or executes specified operations.

ON: Ready to function.

Flashing: There are jobs waiting for master-making.

OFF: Not ready to function.

(18) Proof Key (p.72)

Use to check print results after adjusting the print position, for example.

This allows you to print proof copies without affecting the value on the Print Quantity Display.

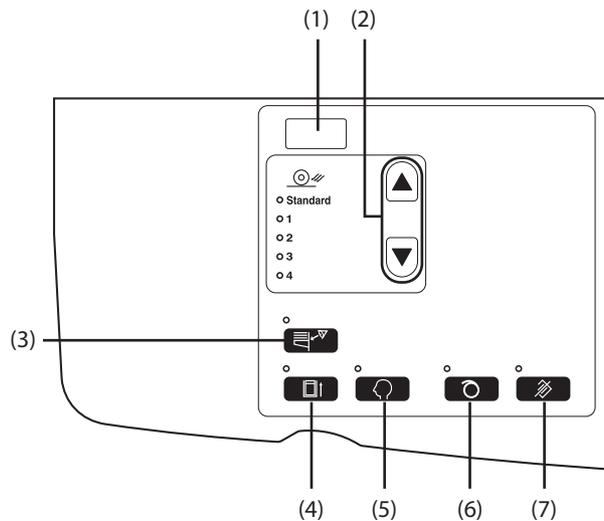
(19) Stop Key

Stops the operation in progress.

(20) Reset Key

Returns all settings to the initial settings.

Sub Control Panel



(1) IP Address Display (p.102)

Displays the IP Address set in the "IP Address of the machine" in the custom setting mode.

(2) Paper Ejection Adjustment Key/Indicator (p.77)

Selects the paper ejection adjustment. Each time you press the key, the Output setting changes. The indicator for the selected number of Output setting lights. You need to register the Output Setting 1 to 4 beforehand.

(3) Double Feed Check (p.92)

This detection is normally set to [ON]. Each time you press the key, the function is switched on and off. When activated, the indicator above the key lights.

(4) Confidential Key/Indicator (p.91)

Prevents confidential documents from being copied. Each time you press the key, the function is switched on and off. When activated, the indicator above the key lights.

(5) Custom Key/Indicator (p.96)

Use when changing the initial settings. When activated, the indicator above the key lights.

(6) Idling Key/Indicator (p.70)

Sets up for idling. Each time you press the key, the function is switched on and off. When activated, the indicator above the key lights.

(7) Clear Job Key/Indicator (p.90)

Pressing this key while the indicator is lit clears all data being received or waiting for master-making.

IMPORTANT!

(6) is invalid, if not set before master-making.

Indication of Progress Arrows and Status of the Machine

- The operation status of the machine can be identified from the lighting/blinking position on the progress arrows.

(□ ON ◻⁺ Blinking ■ OFF)

 Master-making in progress

(Number of segments which light on the master-making progress indicator increases incrementally.)

 Printing in progress

(Number of segments which light on the printing progress indicator increases incrementally.)

- When the master-making/printing process stops in the middle, the lighting condition of the progress arrows remains unchanged, too. The indicator remains lit at the same position. (Waiting for the restart instruction)

 Master-making process can be executed.

 Master-making process can be executed. (Auto-process ON)

 Printing process can be executed.

Flow of Printing

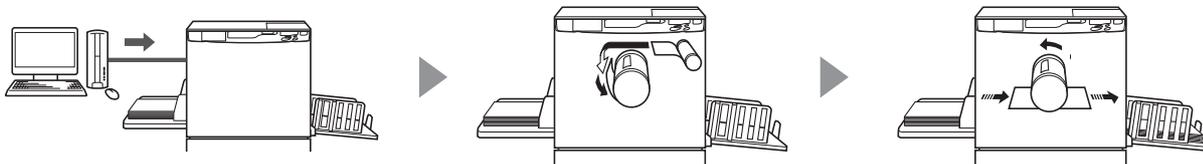
Transfer the original data created with a computer to the machine via a network.

A generated master is rolled around the Print Drum.

Later, a proof copy is produced. After checking the print result, enter the number of copies to be printed and start printing.

Master-making process

Printing process





Basic Operation



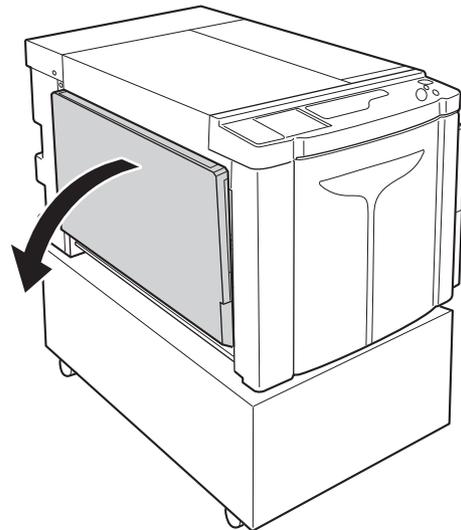
1 Basic Operation

1.1 Preparing to Print (Printer Machine Side)

Set up the Paper Feed Tray and Paper Receiving Tray, etc. to prepare the machine for printing.

Setting up the Paper Feed Tray and Paper

1 Open the Paper Feed Tray.

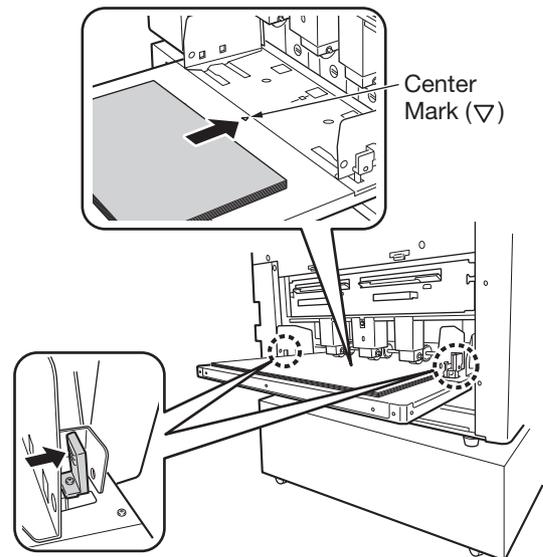


2 Load paper.

Place paper according to the page orientation. Ensure the center of the paper is aligned with the center mark of Paper Feed Tray (marked with ▽). Slide the Feed Tray Paper Guides by holding the Feed Tray Paper Guides Lock Levers on both sides of the Feed Tray Paper Guides and adjust to the width of the paper.

IMPORTANT!

- Do not use inappropriately sized paper or mix paper of different sizes.
- Ensure the Feed Tray Paper Guides fit securely against the paper. Failure to do so can produce unsatisfactory results.

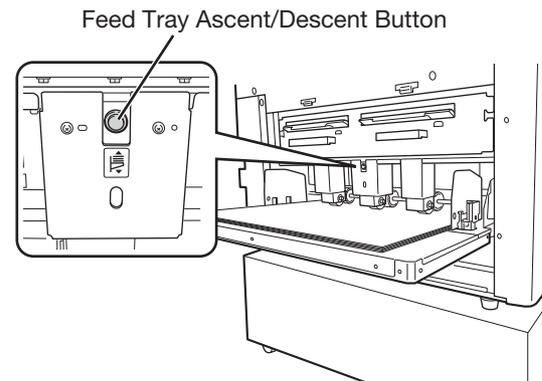


Adding or Replacing Paper

When you add paper or replace the paper with a different size at the time of printing, press the Feed Tray Ascent/Descent Button to lower the Paper Feed Tray.

When paper is loaded on the tray, press the Feed Tray Ascent/Descent Button to lower the Paper Feed Tray. When the tray runs out of paper or you remove all the paper, the tray is automatically lowered to the bottom.

To raise the Paper Feed Tray when the Paper Feed Tray is at the lowest position and the tray is loaded with paper, press the Feed Tray Ascent/Descent Button.

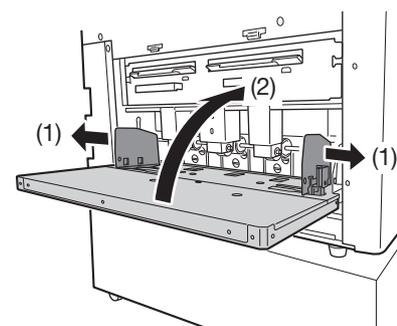


IMPORTANT!

When changing to a different paper size, readjust the position of Receiving Tray Paper Guides, Paper Stopper, and Paper Jumping Wing to fit the size of paper.

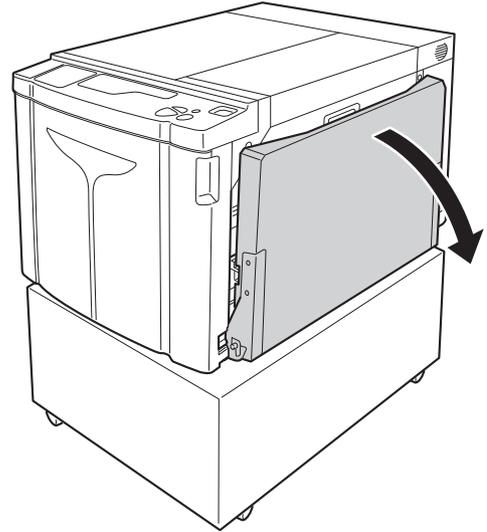
Closing the Paper Feed Tray

When closing the Paper Feed Tray, lower the Paper Feed Tray, remove the paper, and then open the Feed Tray Paper Guides to the widest position. Then close the Paper Feed Tray.



Setting up the Paper Receiving Tray

1 Open the Paper Receiving Tray.

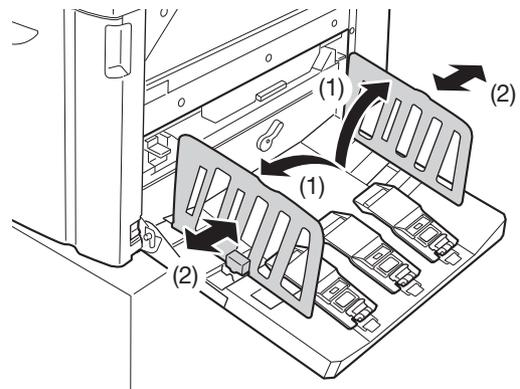


2 Position the Receiving Tray Paper Guides.

Set up the Receiving Tray Paper Guides. Hold the lower part of the guides, and adjust to the width of the paper.

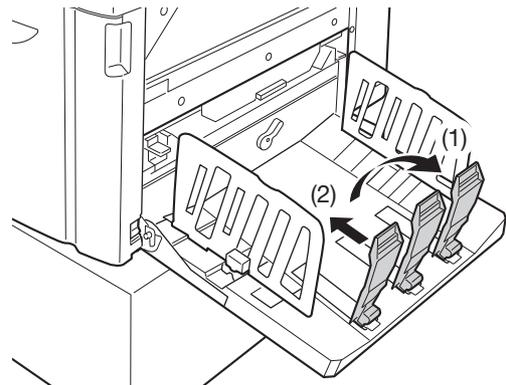
IMPORTANT!

When you move the paper on the Paper Feed Tray, reposition the Receiving Tray Paper Guides also. If the guides are not correctly positioned, problems such as paper jams can occur.



3 Set up the Paper Stopper, and adjust by sliding it according to the length of the paper.

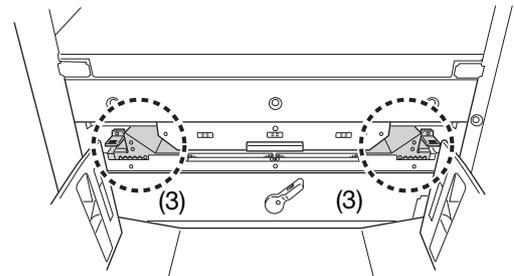
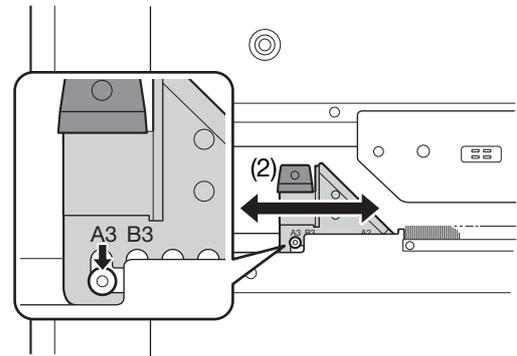
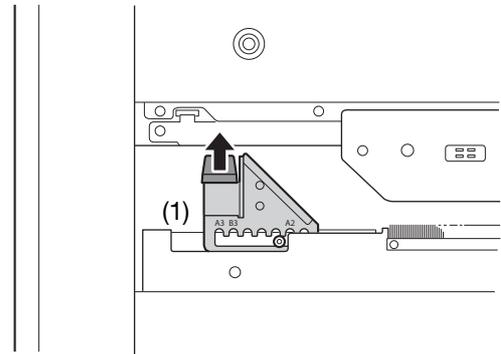
- (1) Set up the Paper Stopper.
- (2) Slide to fit the length of the paper.



4 Adjust the Paper Jumping Wing.

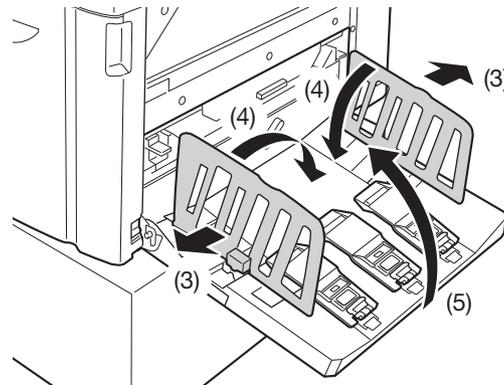
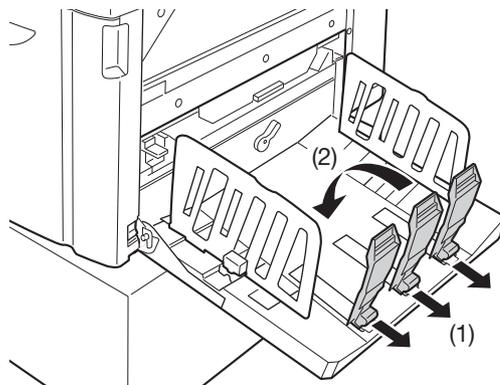
Adjust the position of the Paper Jumping Wing, according to the paper type and size.

- (1) Pull up the Paper Jumping Wing Lever.
- (2) Slide the position of the Paper Jumping Wing according to the paper size marks (A2, B3, A3) on the Paper Jumping Wing.
- (3) Adjust the position of Paper Jumping Wing on the other side in the same manner.



Closing the Paper Receiving Tray

When closing the Paper Receiving Tray, first slide the Paper Stopper to the edge of the tray and fold it inward. Then widen the Receiving Tray Paper Guides outward and fold the guides inward. Lastly, close the Paper Receiving Tray.



1.2 Preparing to Print (Computer Side)

NOTE

Depending on the connecting method between the machine and the computer, the installation procedure varies. See the installation procedure appropriate for your connecting method.

- When connected via USB cable [☞p.30](#) "For a USB Cable Connection"
- When connected via network [☞p.43](#) "For a Network Connection (LAN)"

For a USB Cable Connection

Before Installation

- Use a commercially available USB cable (Hi-speed USB, 3 m or less).
- Administrator's privilege is required to install the printer driver program in your computer.
- This Printer Driver does not support server OS or printer sharing.

NOTE

Regarding the procedure for manual installation, see [p.144](#) "Manually Installing the Printer Driver".

For Windows Vista/Windows 7/Windows 8/Windows 8.1:

To update the Printer Driver, change cable connections, or reinstall a Printer Driver of the same series, the driver package must first be deleted. Uninstall the installed Printer Driver manually before new installation. [☞p.156](#) "Manual Uninstallation"

Installing the Printer Driver

This section describes how to install the Printer Driver for windows supporting the Plug&Play installation when the computer and the machine are connected via a USB cable.

IMPORTANT!

- At some point during the installation procedure, you will need to connect the USB cable and turn the machine on.
- For Windows Vista (64-bit)/Windows 7 (64-bit), create a USB Port in advance. [☞p.41](#) "Creating a USB Port"

- 1 Turn on the computer.**
- 2 Insert the "RISO Printer Driver" CD-ROM into the computer's CD-ROM drive.**

The installer is started. If the installer does not start up, double-click on the [Setup(.exe)] file in the folder below.

◆ **For Windows XP/Windows Vista (32-bit)/Windows 7 (32-bit)/Windows 8 (32-bit)/Windows 8.1 (32-bit):**

(CD-ROM):[Windows 32-bit] folder

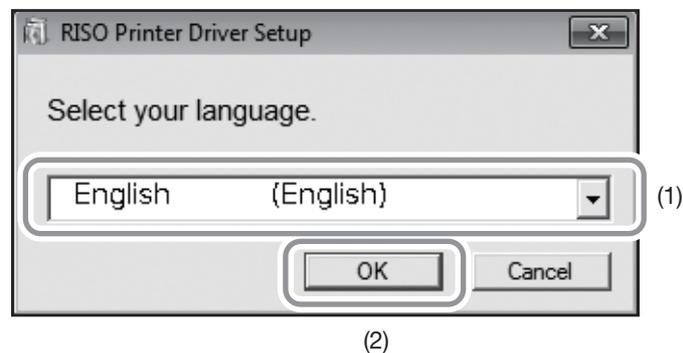
◆ **For Windows Vista (64-bit)/Windows 7 (64-bit)/Windows 8 (64-bit)/Windows 8.1 (64-bit):**

(CD-ROM):[Windows 64-bit] folder

NOTE

If the [User Account Control] dialog box appears, click [Allow] (for Windows Vista) or [Yes] (for Windows 7/Windows 8/Windows 8.1).

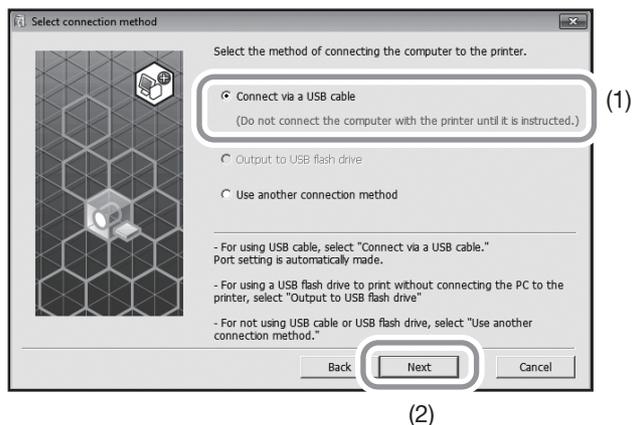
- 3 Select your language from the drop-down list, and then click [OK].**



- 4 Click [Next].**

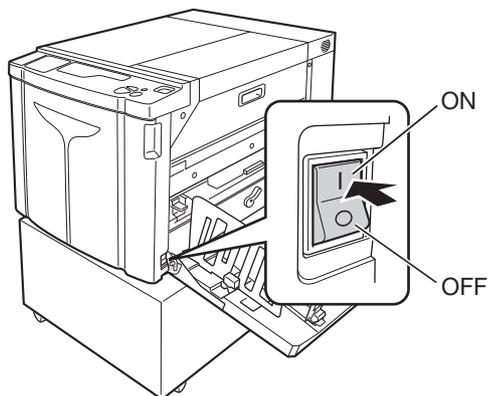
For Windows Vista (64-bit)/Windows 7 (64-bit), jump to Step 18.

5 Select [Connect via a USB cable], and then click [Next].

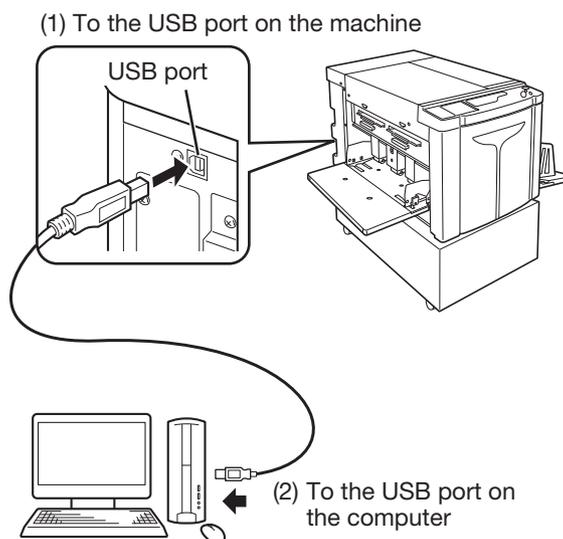


For Windows 8/Windows 8.1, jump to Step 23.
The [USB Port Setting] dialog box appears.

6 Turn on the machine.

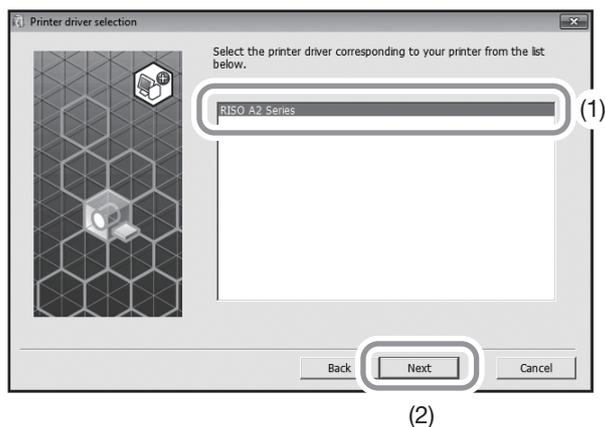


7 Connect the computer to the machine with a USB cable.



8 When the [Printer automatic recognition and USB port setting are complete.] dialog box appears, click [OK].

9 Ensure that [RISO A2 Series] is selected, and then click [Next].

**NOTE**

For Windows XP, when selected Printer Driver has already been installed, [Procedure of installation] dialog box appears. Click [Next].

10 When the [Printer name entry] screen appears, click [Next].

You can also change the printer name. Enter the name in the [Printer name].

11 When the [Ready to install] screen appears, click [Install].

Installation starts.

NOTE

Also when the following screen appears, continue the installation.

- **For Windows Vista/Windows 7/Windows 8/Windows 8.1:**
[Windows Security] screen
- **For Windows XP:**
[Windows logo testing] screen

12 Click [Print Test Page], and then click [Close].

Set printing paper in the machine beforehand.

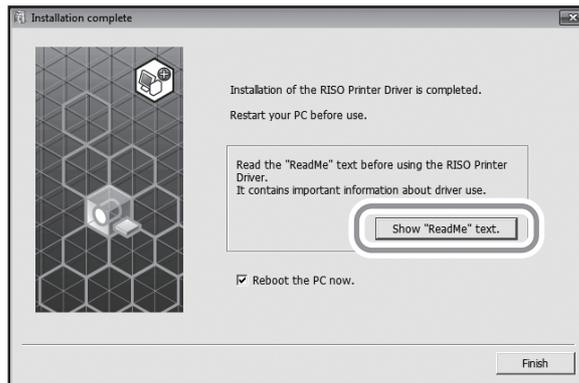
13 Ensure that the <Clear Job> key indicator is on, and then press the <Start> key.

14 Check that the test print was properly printed, and then click [OK].

If the master is not made properly, see p.133 "Troubleshooting Tips".

15 Click [Show "ReadMe" text].

The ReadMe file is opened. Be sure to read all the instructions and notes on it.



16 Click [Finish].

The computer restarts.

NOTE

- If you have checked [Reboot the PC now.], the computer will be shut down and restarted when you click [Finish].
- When [Found New Hardware Wizard] is displayed, click [Cancel].

17 Then remove the [RISO Printer Driver] CD-ROM from the CD-ROM drive of the computer.

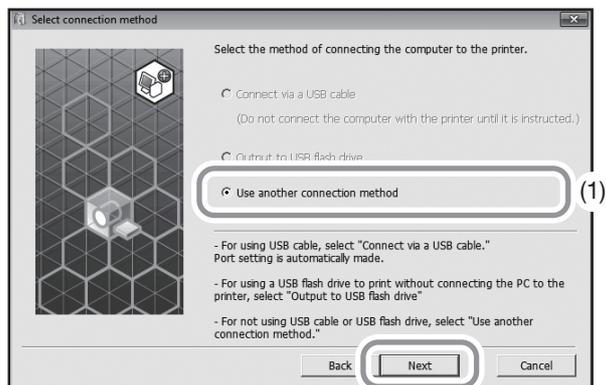
Printer Driver installation is now complete.

IMPORTANT!

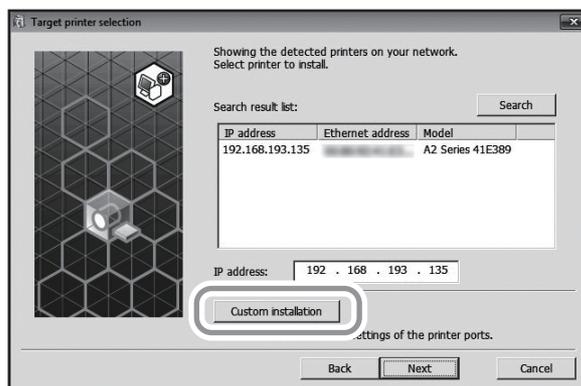
- Keep the removed CD-ROM at hand.
- For Windows Vista (64-bit)/Windows 7 (64-bit), continue the installation procedure from "USB Device Association".

Steps 18 to 22 are only for Windows Vista (64-bit)/Windows 7 (64-bit).

18 Select [Use another connection method], and then click [Next].

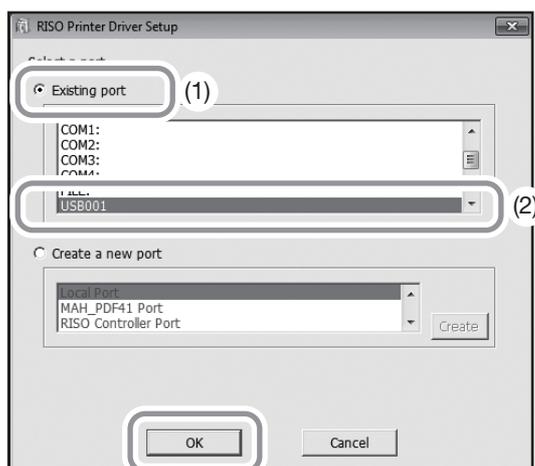


19 Click [Custom installation].



20 Select a USB port.

- (1) Select [Existing port], and then select [USB***].
- (2) Click [OK].

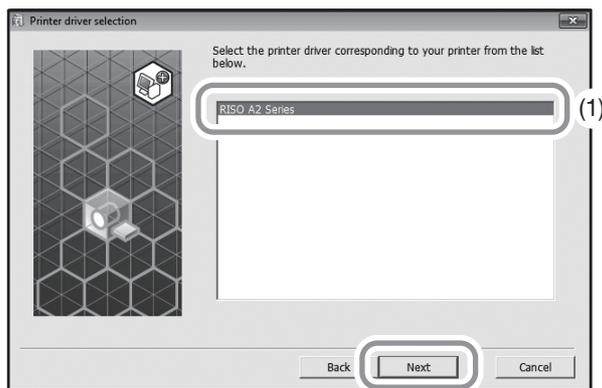


(3)

NOTE

"USB***" is the name of the port which is confirmed (displayed) in "Creating a USB Port." [p.41 "Creating a USB Port"](#)

21 Ensure that [RISO A2 Series] is selected, and then click [Next].



(2)

NOTE

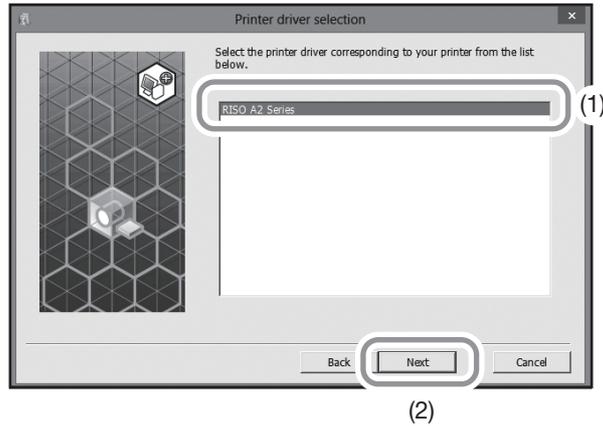
When the selected Printer Driver has already been installed, the [Procedure of installation] dialog box appears. Click [Next].

22 When the [Printer name entry] screen appears, click [Next].

You can also change the printer name. Return to p.34 "Step10" to connect the computer to the machine with a USB cable.

Following are the Steps only for Windows 8/Windows 8.1.

23 Ensure that [RISO A2 Series] is selected, and then click [Next].



24 When the [Ready to install] screen appears, click [Install].

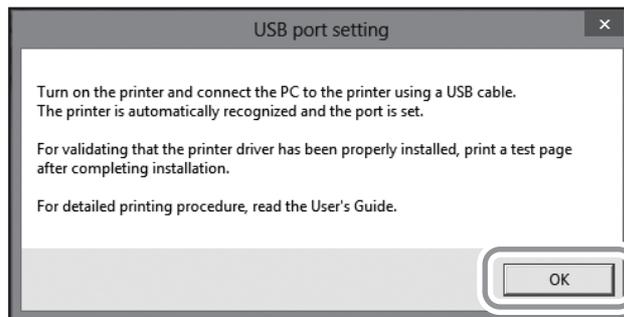
Installation starts.

NOTE

When the [Windows Security] dialog box appears, continue the installation.

The [USB Port Setting] dialog box appears.

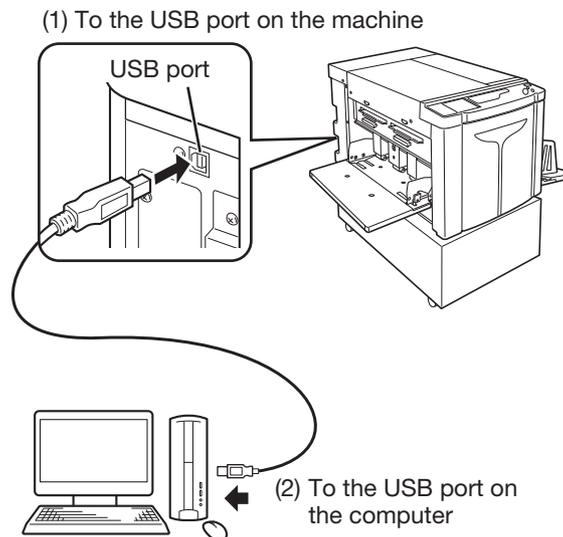
25 Click [OK].



26 Turn on the machine.

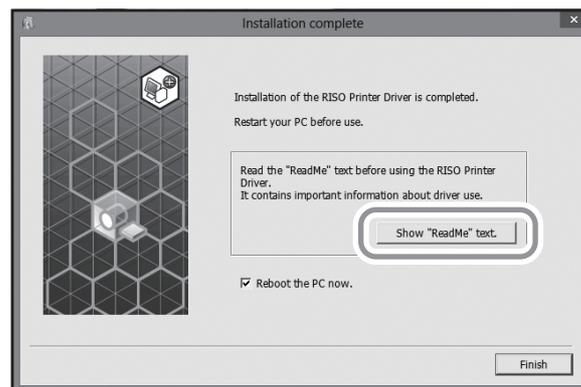
27 Connect the computer to the machine with a USB cable.

Use a commercially available USB cable.



28 Click [Show "ReadMe" text.].

The ReadMe file is opened. Be sure to read all the instructions and notes on it.



29 Click [Finish].

The computer restarts.

NOTE

- If [Reboot the PC now] is checked, the computer will shut down and restart when you click [Finish].
- When [Found New Hardware Wizard] is displayed, click [Cancel].

30 Open the printer folder.

Open the [Apps] screen, and then click [Control Panel]-[Hardware and Sound]-[Devices and Printers].

31 Open the [Properties] dialog box of the installed printer.

Right-click on the corresponding printer icon in the printer folder, and then select [Printer properties] in the displayed menu.

32 Click [Print Test Page], and then click [Close].

Set printing paper in the machine beforehand.

33 Check that the test print was properly printed, and then click [Close].

34 Remove the [RISO Printer Driver] CD-ROM from the CD-ROM drive of the computer.

Printer Driver installation is now complete.

IMPORTANT!

Keep the removed CD-ROM at hand.

Creating a USB Port

To install the Printer Driver in Windows Vista (64-bit)/Windows 7 (64-bit) with the USB cable, a USB Port and associate USB Devices must first be created.

IMPORTANT!

Create a USB port before installing the Printer Driver.

1 Turn on the power of the machine, and then connect the USB cable to the machine.

2 Start the computer.

3 Connect the USB cable to the computer.

A USB port is automatically created. Check the USB port in Step 4 and after.

IMPORTANT!

Ensure the message "Device driver software was not successfully installed" appears. This message appears in the dialog box for Windows Vista and in the task tray for Windows 7.

NOTE

When the [Found New Hardware Wizard] appears in Windows Vista, select [Ask me again later].

4 Open the machine's [Print Server Properties].

◆ For Windows Vista:

- (1) Click on [Start]-[Control Panel]-[Hardware and Sound] and [Printers] to open the [Printers] folder.
- (2) Right-click on a blank area in the folder to display the menu, and then select [Run as administrator] - [Print Server Properties] from the menu.

◆ For Windows 7:

- (1) Click on [Start]-[Control Panel]-[Hardware and Sound] and [Devices and Printers] to open the [Devices and Printers] folder.
- (2) Click on the existing printer, and then click on [Print Server Properties] at the top of the window.

5 Click on the [Ports] tab, and then ensure that the [USB*] port is located in [Ports on this server].**

Record this port name because the name should be selected to install the Printer Driver.

6 Disconnect the USB cable from the computer.

USB Device Association

IMPORTANT!

Associate the USB device after installing the Printer Driver.

1 Connect the computer to the machine with a USB cable.

The USB device is automatically associated with the computer. Check the result of the USB device association in Step 2 and after.

2 Activate [Device Manager].

◆ For Windows Vista:

Click on [Start]-[Control Panel]-[Hardware and Sound]-[Device Manager].

◆ For Windows 7:

Click on [Start]-[Control Panel]-[Hardware and Sound]-[Device Manager].

3 Click [View] in the menu, and then place a checkmark in the [Show hidden devices] checkbox.

4 Click [Printers] in the list, and then check that the newly installed printer is registered.

5 Open [Devices and Printers] ([Hardware and Sound]-[Printers] for Windows Vista), and then check that the newly installed printer is registered.

For a Network Connection (LAN)

Connecting a cable

Optional network interface card, RISO Network Card is required when connecting the computer to the machine through network to use as a network printer.

Before Installation

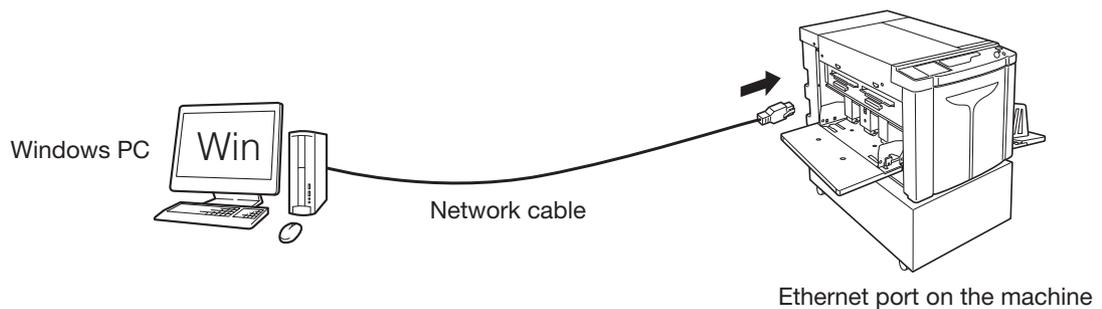
In advance, read the User's Guide of "RISO Network Card" (contained in RISO Network Card CD-ROM), and then prepare the installation, such as connecting with the machine and IP address setting.

Use a commercially available Ethernet cable (10BASE-T or 100BASE-TX) appropriate for your network environment.

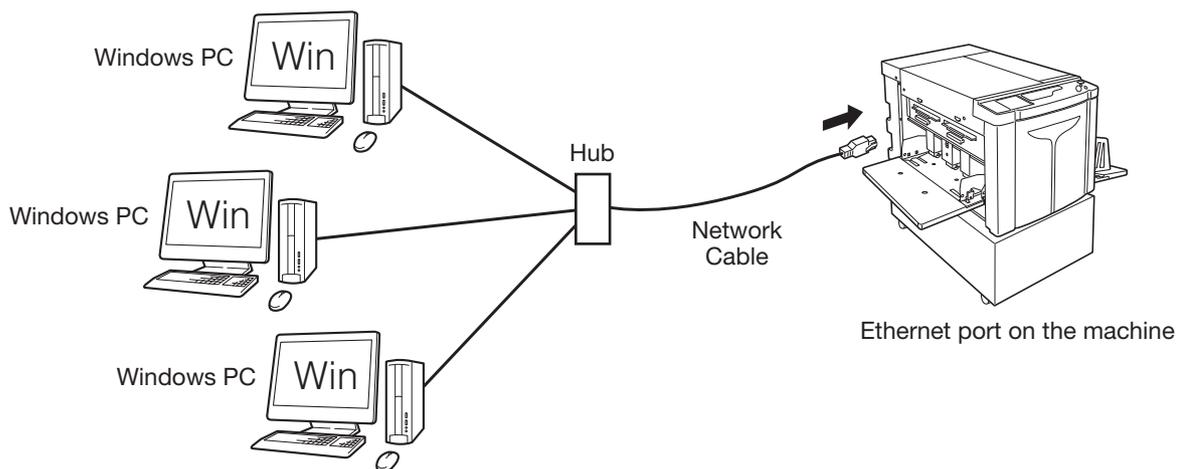
IMPORTANT!

Use an Ethernet cable specified with category 5 or more.

◆ When the machine is connected with one PC



◆ When the machine is connected on a network



Installing the Printer Driver

This section describes how to install the RISO Printer Driver when the computer is connected to the machine through a network.

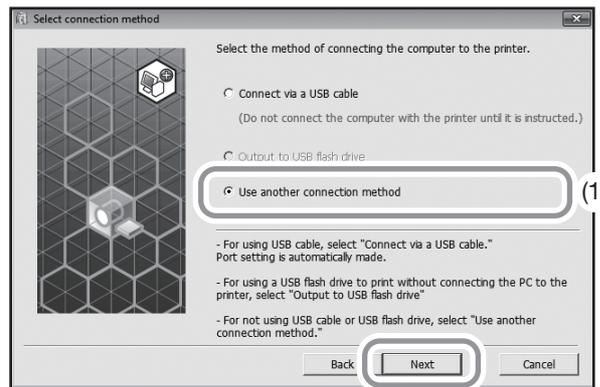
IMPORTANT!

- Administrator's privilege is required to install the printer driver program in your computer.
- This Printer Driver does not support server OS or printer sharing.

NOTE

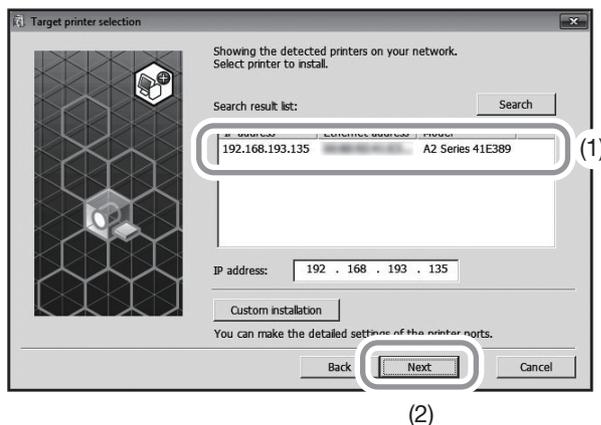
Regarding the procedure for manual installation, see p.144 "Manually Installing the Printer Driver".

- 1 Perform Steps 1 to 4 of the "Installation Procedure" on Page 31.**
- 2 Select [Use another connection method], and then click [Next].**



(2)

3 Select [RISO A2 Series], and then click [Next].



NOTE

- You can also enter the IP address manually.
- When you set a transmission system or port optionally, click [Custom installation], and then select an existing port or create a new port.

The following procedure shows how to create a Standard TCP/IP Port.

- (1) Select [Create a new port], and then [Standard TCP/IP Port].
- (2) Click [Create].
The [Add Standard TCP/IP Printer Port Wizard] dialog box appears.
- (3) Click [Next].
- (4) Enter the IP address of your printer, and then click [Next].
The Port name will be entered automatically.
- (5) Select [Custom], and then click [Settings].
- (6) Select [LPR] for [Protocol], input "lp" as the [Queue Name] under [LPR settings], and then place a checkmark in the [LPR Byte Counting Enabled] checkbox.

IMPORTANT!

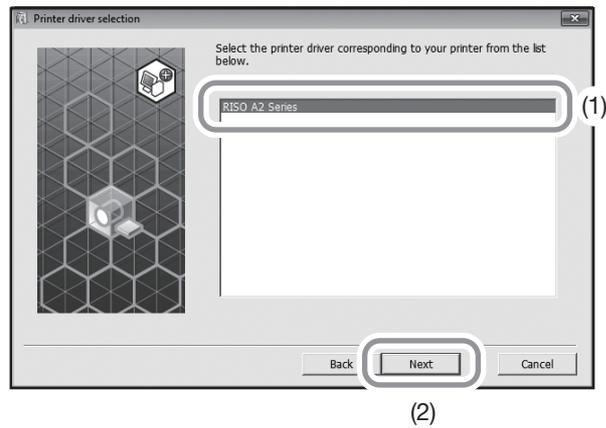
Images may not print properly if [LPR Byte Counting Enabled] is not selected.

NOTE

- This installation procedure is for when a RISO Network Card (above mentioned) is used. When connecting to a commercial print server etc. on a network, refer to the instruction manual provided by the manufacturer.
- After the LPR function is added, the computer requires restarting. Therefore, be sure to store the necessary data in the computer before carrying out the operation. Follow your Windows XP/Windows Vista/Windows 7/Windows 8/Windows 8.1 instruction manual or Help for details.

- (7) Click [OK].
- (8) Click [Next].
- (9) Click [Finish].

4 Ensure that [RISO A2 Series] is selected, and then click [Next].



NOTE

When the [Procedure of installation] screen appears, click [Next].

5 Perform Steps 10 to 17 of the "Installation Procedure" on Page 34.

Now you can use the machine.

IMPORTANT!

Keep the removed CD-ROM at hand.

Registering Custom-Sized Paper

The frequently used custom-sized paper can be named and registered.

The custom-sized paper which were registered here can be displayed in the custom paper size list in the p.56 "[Layout] Tab".

1 Open the printer folder.

◆ For Windows XP:

Click on the [Start] icon-[Printers and Faxes] to open the [Printers and Faxes] folder.

◆ For Windows Vista:

Click on the [Start] icon-[Control Panel]-[Hardware and Sound] and [Printers] to open the [Device and Printers] folder.

◆ For Windows 7:

Click on the [Start] icon-[Control Panel]-[Hardware and Sound]-[Devices and Printers] to open the [Device and Printers] folder.

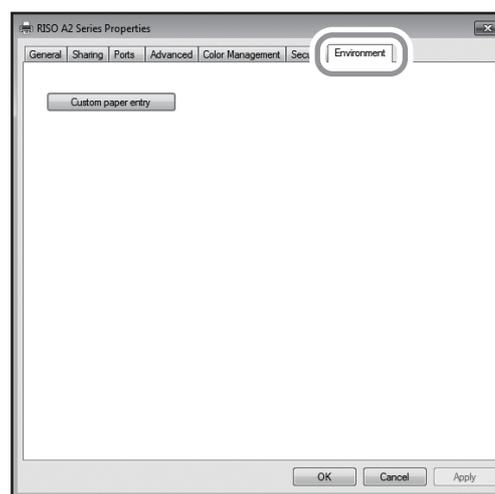
◆ For Windows 8/Windows 8.1:

Open the [Apps] screen and click [Control Panel]-[Hardware and Sound]-[Devices and Printers] and open the [Device and Printers] folder.

2 Open the properties of the printer.

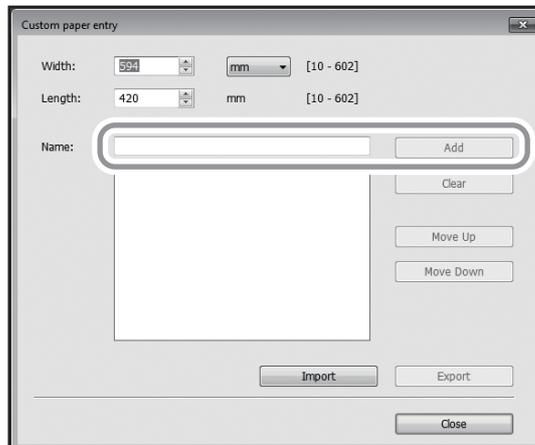
Right-click on the [RISO A2 Series] icon in the [Device and Printers] folder and select [Properties] (for Windows XP/Vista) or [Printer Properties] (for Windows 7/Windows 8/Windows 8.1) in the displayed menu.

Click [Environment] in the [Properties] dialog box.



3 Registering Custom-sized Paper

- (1) Click [Custom paper entry] to display the [Custom paper entry] dialog box.
- (2) Enter the width, length and name, and then click [Add].
The registered name appears in the dialog box.



- (3) Click [Close] in the [Custom paper entry] dialog box.

NOTE

- Information of your custom paper size can be saved as a Custom paper entry information file (.udp extension) by clicking [Export]. If you want to register the custom paper size from the Custom Paper Entry information file, click [Import] to select the file.
- Entering the name and dimensions is helpful for selecting the paper size. The length of the name can be up to 30 characters.
- When deleting a custom paper size, select the corresponding name from the list, and then click [Clear].

4 Complete the setting.

Click [OK] on the [Environment] tab.

1.3 Printing Data

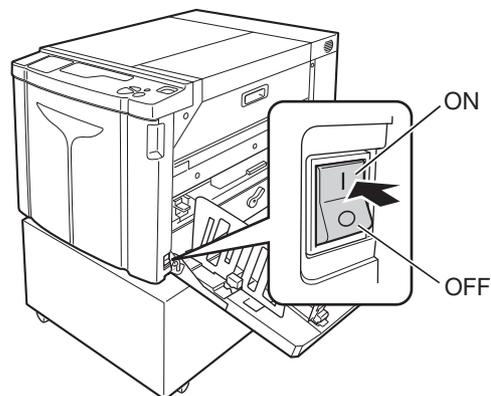
This section explains how to print out original data directly on the machine. Prepare the original data on the computer beforehand.

1 Turn on the machine.

The power switch is on the lower right part of the machine.

2 Check the display.

Ensure that Check & Error Display is not turned on or blinking. [p.124 "Check & Error Display"](#)



NOTE

- When the <Idling> indicator on the Sub Control Panel is turned on, idling is performed when making a master. [p.70 "Idling Action \[Idling\]"](#)

3 Check the printing paper and drum color.

Ensure that the printing paper is loaded. Also, ensure that the drum color to be used for printing are set.

4 Set the necessary functions.

Set functions such as Auto-process and custom setting mode. [p.68 "Automatic Printing \[Auto-process\]"](#), [p.93 "Customizing Initial Settings \[Custom Setting Mode\]"](#)

5 Check the contents of the original data using any application on the computer.

- (1) Display the [Print] screen on the document data using any application (such as Adobe Reader).
For details, see the User's Guide of the application.
- (2) Select [RISO A2 Series] (name of this machine) in [Printer Name].
Select the printer name specified in [p.34 "Step10"](#).

6 Set the print conditions.

Specify the number of copies to be printed and the area to be printed.

Never fail to deselect the [Collate] box.

(If it is selected, the master-making operation will be repeated for every copy.)

IMPORTANT!

- If you want to print a file consisting of several pages, and the file includes different paper sizes or page directions, printing may fail when you choose [All] for the paper range. Specify the page numbers for printing pages of the same size or direction in [Pages].
- When several original data is received, the machine processes the data in the order of reception.
- When original data is transmitted from several computers connected on a network, the order of reception cannot be confirmed. Transmit the original data after confirming that the machine is available.

7 Click [Properties].

If you want to set additional print conditions for the current print job, click [Properties] to open the [Properties] dialog box. [p.56](#) "Functions to be Set Up with the Printer Driver (Computer Side/Driver Side)"

8 Click [OK] to start printing.

- (1) When the setting is complete, click [OK] to close the [Properties] dialog box.
- (2) Return to the [Print] screen, and then click [Print] (or [OK]).
- (3) The original data will be transmitted from the computer to the machine.

NOTE

Processing may take longer depending on the performance of your computer (such as CPU, computer memory, etc.).

The following procedures assume that [Auto-process] is [OFF] (initial setting) and [Auto switch to master-making] is [OFF] (initial setting).

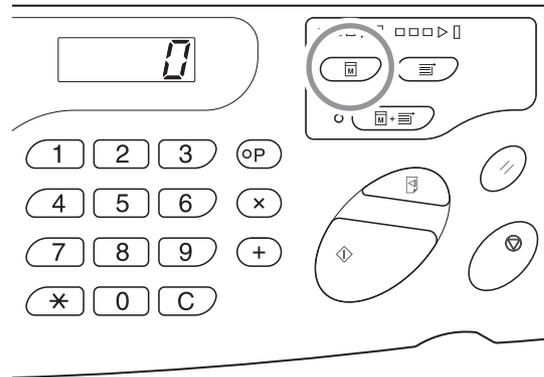
9 Press the <Master-Making> key.

When the machine has completed data reception, the <Clear Job> indicator turns on.

When making a master, press <Master-Making> key to switch to the master-making mode.

IMPORTANT!

- When the machine receives original data in [Master-Making] mode, the machine starts making a master immediately.
- When the machine has not been used for a certain amount of time since the last operation, master-making starts after idling.
☞ p.93 "Customizing Initial Settings [Custom Setting mode] / Auto Idling Time"

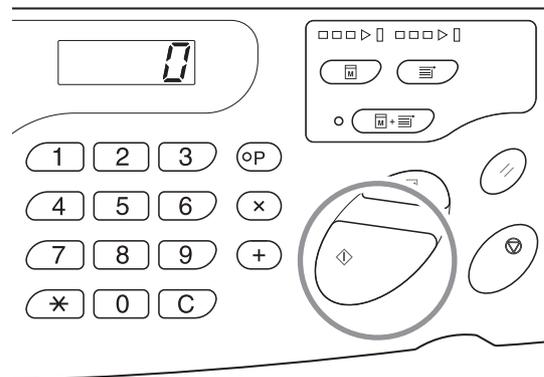


10 Press the <Start> key.

After master-making, the machine prints a proof copy and stops.

IMPORTANT!

- When [Auto-process] is set to [ON], the machine does not stop after printing the test page and continues printing.
- When the wrong data was transmitted or if you want to clear the original data which is being received or waiting for the master masking, press the <Clear Job> key.



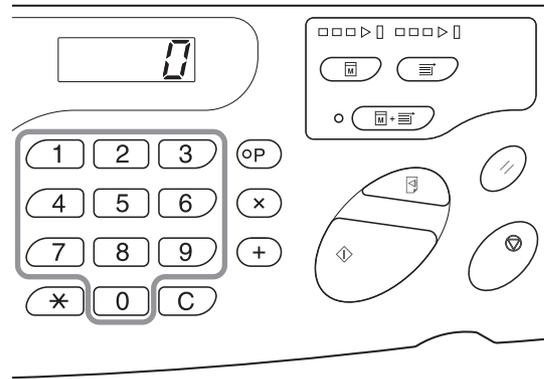
11 Check the proof copy.

Remove the proof copy from the Paper Receiving Tray and check if it was properly printed.

- You can repeat the proof copy as many times as you wish to check the result. ☞ p.72 "Producing Proof Copies [Proof]"
- You can adjust the print position. ☞ p.74 "Adjusting the Print Position [Print Position Adjustment]"
- You can adjust the print density. ☞ p.73 "Adjusting the Print Density [Print Density Adjustment]"

12 Enter the number of copies to be printed.

If you wish to change the number of copies to be printed, press the <C> key and enter the number of copies to be printed using Print Quantity keys.



13 Press the <Start> key.

The specified number of copies are printed.

If you want to stop printing in the middle, press the <Stop> key.

NOTE

- You can change the print speed. [p.76 "Changing the Print Speed \[Print Speed Adjustment\]"](#)
- When the machine is in stop state, you can do the following:
 - [p.80 "Automatic Sorting into Groups \[Program\]"](#)
 - [p.90 "Clearing Received Jobs \[Clear Job\]"](#)
- You can discard the master wrapped around the drum.
 - [p.91 "Protecting Confidential Documents \[Confidential Mode\]"](#)

IMPORTANT!

When you turn off the Power Switch, all the accumulated data is deleted.

◆ When data consisting of several pages is received

Repeat Steps 9 to 13.

- When you want to set functions, press corresponding keys on the control panel for setting.
- If you want to batch output the data consisting of several pages (to continue printing without stopping after master-making), press the <Auto-process> key and set [Auto-process] to [ON].

NOTE

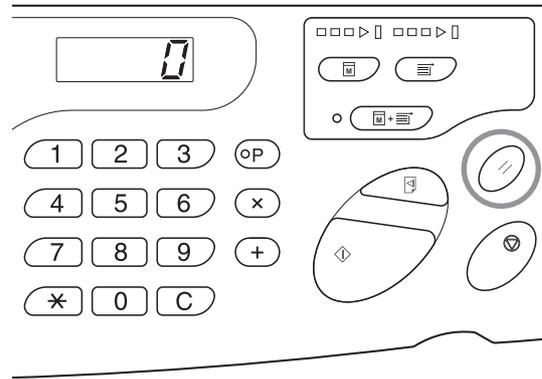
When you want to start making a master of the next page or next job after printing is finished automatically, set [Auto switch to master-making] to [ON] in the custom setting mode.

◆ When you want to print additionally after printing is finished

- (1) Press the <C> key in the [Print] mode and cancel the number of copies displayed on the display.
- (2) Enter the number of copies you want to print using the Print Quantity keys and press the <Start> key.

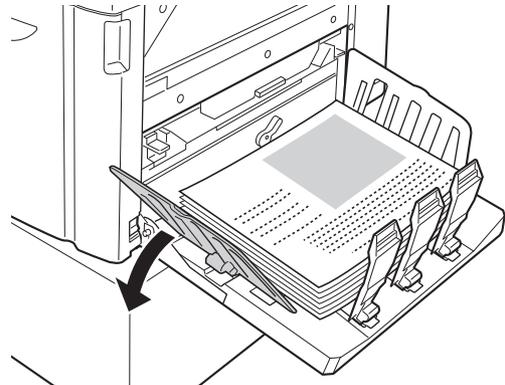
14 Press the <Reset> key.

When the printing is finished, return the setting back to the default.



15 Remove out the printing paper.

Open the Receiving Tray Paper Guides and remove the printing paper.



2

Functions to be Set Up with the Printer Driver (Computer Side/Driver Side)



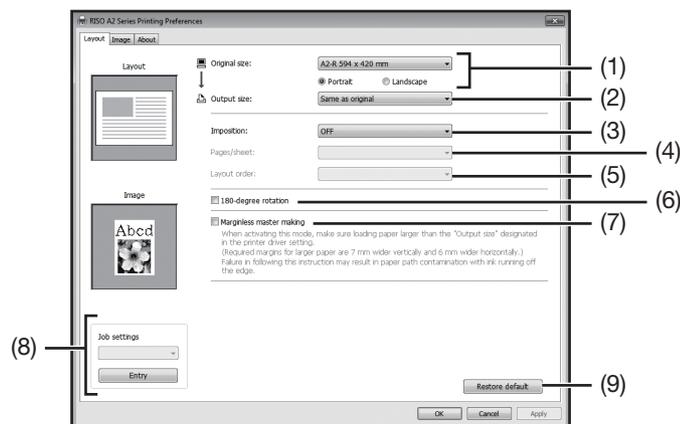
2

Functions to be Set Up with the Printer Driver (Computer Side/Driver Side)

2.1 Setting the Printing Preferences

Click the tab on the top part of dialog box to display each setting item.

[Layout] Tab



Settings

(1) Original size

[Portrait] / [Landscape]

(2) Output size

(3) Imposition

[OFF]

[Multi-up]

[Page layout]

(4) Pages/sheet

[2 pages]

[4 pages]

(5) Layout order

[Left to right (Top to bottom)]

[Right to left (Bottom to top)]

[Left top to right]

[Left top to bottom]

[Right top to left]

[Right top to bottom]

(6) 180-degree rotation

(7) Marginless master making

(8) Job settings

(9) Restore default

(1) Original size

Setting the original size and paper direction.

IMPORTANT!

- Be sure to specify the same paper size which was set in the application software used when creating the original data.

Selecting [Custom] opens the [Custom] dialog box. Enter the paper width and length in the boxes.

NOTE

- You can select custom-size paper from the drop-down list by registering it beforehand.
- You can select the unit of size from [mm] or [inch].
- The range of paper sizes that can be entered is minimum 10 x 10 mm up to maximum 602 x 602 mm.

[Portrait] / [Landscape]

This option is used for matching the page direction with the feed direction.

Specify the page direction.

IMPORTANT!

Be sure to specify the same page direction which was set in the application software used when creating the document data. When a different page direction is specified, it will not be printed properly.

(2) Output size

Select the paper size for printing.

If you do not use scaling, select [Same as original].

If you select a different output size from the original text, the image will be scaled to fit the selected output size.

NOTE

If you select [Imposition], the image will be scaled to fit the selected output size according to pages/sheet of the original data.

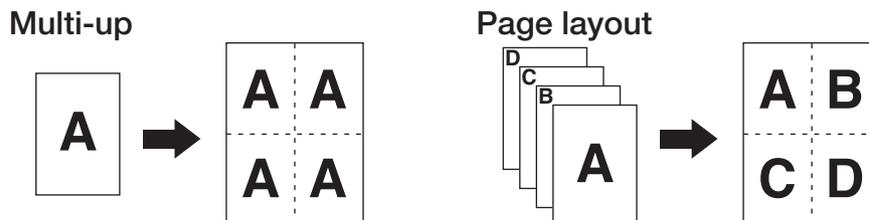
(3) Imposition

You can impose multiple originals on one page and print them.

[OFF]: Normal printing (one page original per sheet).

[Multi-up]: The same original is imposed multiple times on one sheet of paper.

[Page layout]: Different original pages are imposed on one sheet of paper.



NOTE

- Processing may take longer depending on the performance of the computer (such as CPU, computer memory, etc.).
- When the original size is [Custom] and the output size is [Same as original], [Imposition] cannot be specified.

(4) Pages/sheet

Select the pages/sheet.

[2 pages]: Imposes 2 original pages on a sheet.

[4 pages]: Imposes 4 original pages on a sheet.

(5) Layout order

When [Page layout] is selected, select the imposition order.

◆ Page layout (2 pages)

[Left to right (Top to bottom)]: Original pages are imposed from left to right or from top to bottom.

[Right to left (Bottom to top)]: Original pages are imposed from right to left or from bottom to top.

◆ Page layout (4 pages)

[Left top to right]: Original pages are imposed from left top to right.

[Left top to bottom]: Original pages are imposed from left top to bottom.

[Right top to left]: Original pages are imposed from right top to left.

[Right top to bottom]: Original pages are imposed from right top to bottom.

(6) 180-degree rotation

You can rotate original data by 180 degrees by activating this option.

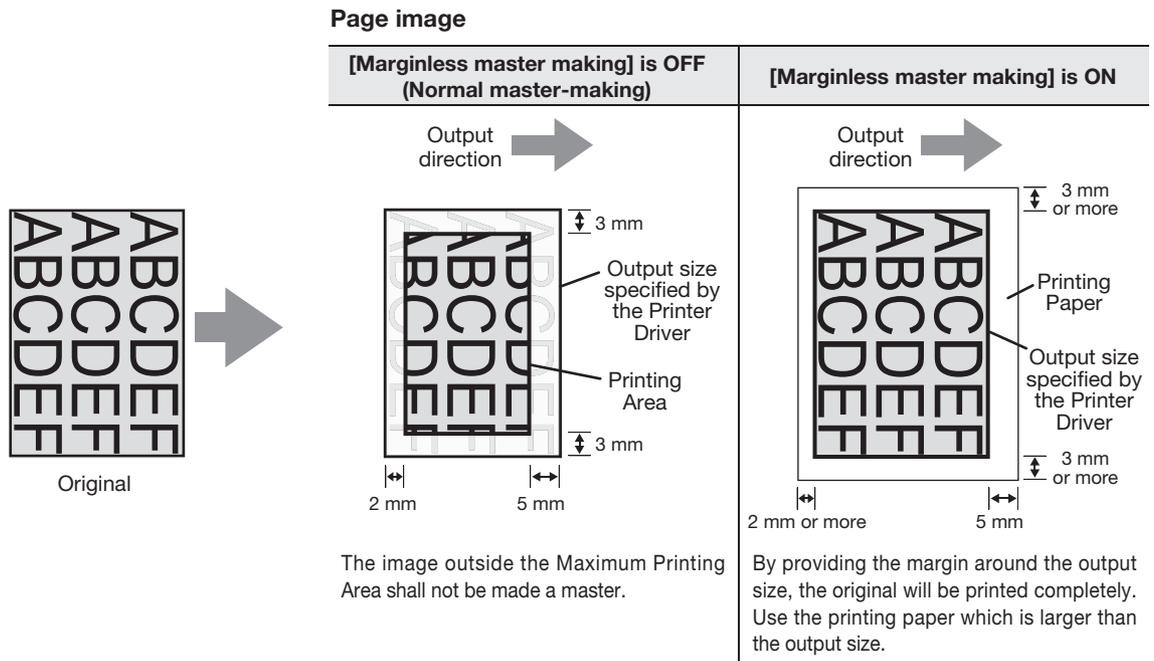
NOTE

When there is a large area of solid in the top edge area of the original data, activating 180-degree-rotation prevents paper jam when printing.

(7) Marginless master making

In normal master-making ([Marginless master making] is OFF), master is made for the area excluding the margins (printable area) based on the [Output size] specified by the Printer Driver.

When [Marginless master making] is ON, master is made according to the [Output size] specified by the Printer Driver without margins. Thus, master is made directly from the original data without missing the image.



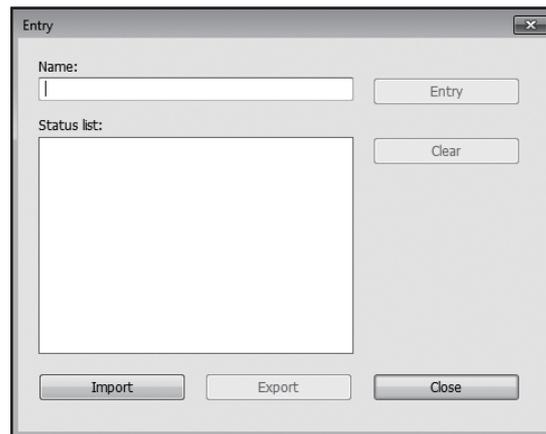
IMPORTANT!

- Do not use printing paper that is smaller than the output size. Ink may stick to the roller, etc. inside the machine.
- When [Marginless master making] is ON, use the printing paper which is bigger than the output size specified with the Printer Driver plus margin.

(8) Job settings

You can name and register the machine settings you often use.
The registered machine settings can be called up later.

- 1) Enter the machine settings in the [Property] dialog box.
- 2) Clicking [Entry] displays the [Entry] dialog box.
- 3) The registered name appears in the [Status List] by entering the name in the column under [Name] and clicking [Entry].



- 4) Click [Close].

IMPORTANT!

To register/delete the machine settings, you are required to have administrator's privileges to log on to Windows.

NOTE

- The registered machine settings can be saved as a machine settings entry file (with extension ".uds") by clicking [Export].
To register the machine settings from the machine settings entry file, click [Import] and specify the file.
- To delete the registered machine settings, select the name to be deleted and click [Clear].

(9) Restore default

Clicking [Restore default] changes the settings in the [Property] dialog box back to their defaults.

To print an original which is bigger than A2 size

To print an original which is bigger than A2, it is recommended to use the following steps:

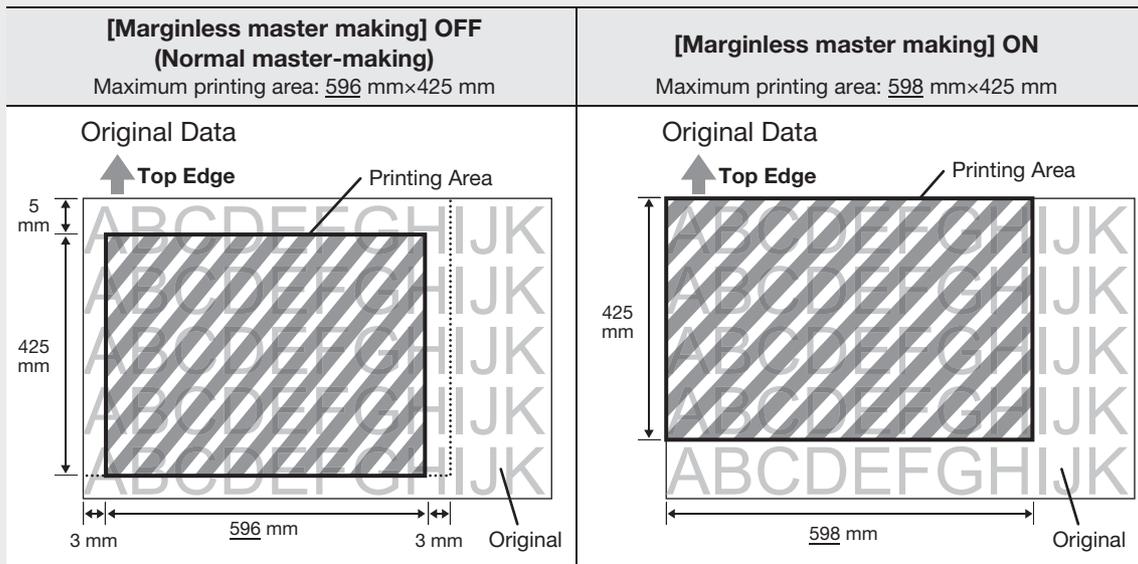
- 1 Select the original size from [Original size] of the Printer Driver.**
Enter the original size in [Custom] or register the size in [Custom paper entry] beforehand.
- 2 Select one of the followings in [Output size] of the Printer Driver.**
 - (1) Select [Same as original] and print without scaling.
In this case, the image which is outside the maximum print area are not be printed.
 - (2) Select either [A2-R 594×420], [A3-R 420×297], or [B3-R 515×364].
In this case, the original size will be reduced to fit the selected [Output size].

In both cases 1 and 2 above, only the "maximum area" is printed.

IMPORTANT!

Depending on the status of Marginless master-making (ON/OFF), the maximum print area changes as follows:

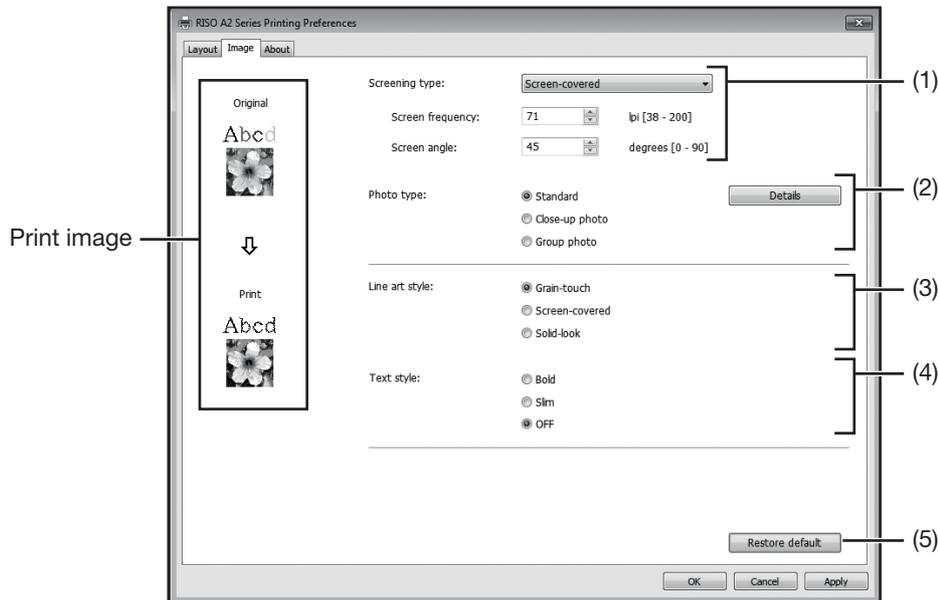
- In the figure, the base point is at the upper left corner. Depending on the application (or its setting), however, the base point of the print area may vary. (The base point can be in the center.)
- The area in gray is the area actually printed.



NOTE

With some types of application software, reduction and partition functions can be used.
For details, refer to the User's Guide of the application software in question.

[Image] Tab



Settings

(1) Screening type

[Grain-touch]
[Screen-covered]
[Screen frequency]
[Screen angle]

(2) Photo type

[Standard]
[Close-up photo]
[Group photo]
[Details]

(3) Line art style

[Grain-touch]
[Screen-covered]
[Solid-look]

(4) Text style

[Bold]
[Slim]
[OFF]

(5) Restore default

(1) Screening type

You can select half-tone processing or tonal expression of color images.

Result of the selected processing can be checked in "Print Image" on the left side of the screen.

[Grain-touch]: Various tones of photo images are reproduced by changing the number of dots in an area according to original density. The printed-out photo images will have grain-touch appearance. Fine images can be reproduced, however, the quality of gradation is not as good as the Screen-covered.

[Screen-covered]: Various tones of photo images are reproduced by changing the size of dots according to original density. The printed-out photo images will be covered with a dot screen. Though the wide range of tone levels in original photo images can be kept in this style, their fineness will be lowered.

When you select [Screen-covered], you can set the screen-covered parameter: [Screen frequency] and [Screen angle]

[Screen frequency]: You can select the frequency of dots by the number of lines. You can select the frequency of dots per inch (25.4 mm). The unit is measured by the number of lines. You can select the value from 38 to 200 lines. The default value is 71 lines.

[Screen angle]: You can specify the direction of screen lines in angle. With this, you can make adjustments against moire or other problems. You can select the value from 0 to 90 degrees. The default value is 45 degrees.

(2) Photo type

Select the type of photo and set image finishing.

[Standard]: Clicking [Details] enables settings to be made for brightness and contrast.

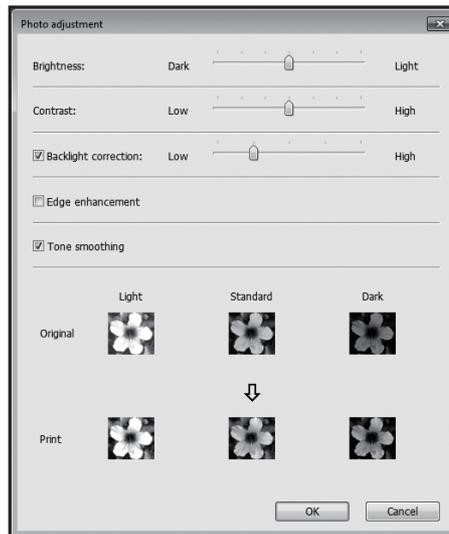
[Close-up photo]: Use this setting for pictures of one or two individuals from the bust up. This setting processes the image brighter so that the faces of people will be printed clearer.

[Group photo]: This setting is for group photos that are over-exposed. This process is effective for restoring facial features that have become washed out by a flash.

NOTE

When you select either [Close-up photo] or [Group photo], the "Photo adjustment" settings made for [Standard] are returned to the default.

[Details]: Clicking on [Details] opens the [Photo adjustment] dialog box.



[Brightness]: The brightness of photo images can be adjusted to 7 levels.

[Contrast]: The contrast of the overall image can be adjusted to 7 levels.

[Backlight correction]: When a check mark is placed in the check box, back light correction is applied to the image to make it sharper.

[Edge enhancement]: When a check mark is placed in the check box, edge enhancement is applied to the image to accent contours.

[Tone smoothing]: This setting is available when [Screen-covered] is selected for [Photo]. When a check mark is placed in the check box, the tonal expressions used in screen-covered processing are smooth.

(3) Line art style

Specifies the expression method of the line (text).

[Grain-touch]: This mode displays the color of text in gradation. The bright color is printed out in lighter tone and the dark color is printed out in a darker tone.

[Screen-covered]: The text sections are displayed with half-tone dots. This mode is unsuitable for small sized text.

[Solid-look]: This mode makes all text solid-look. You can use this mode to express the text clearly. The difference of each text color cannot be expressed.

(4) Text style

You can adjust the thickness of text in this mode.

[Bold]: makes the text thicker and prints out. (To prevent patchiness)

[Slim]: makes the text slimmer and prints out. (To prevent crushed lines)

[OFF]: does not adjust the text volume.

NOTE

Print image

According to the settings of each [Photo type], [Line art style] and [Text style], the image of the documentation data and print will be displayed.

The actual documentation data and prints are different from the displayed images.

(5) Restore default

Clicking [Restore default] changes the settings in the [Property] dialog box back to their defaults.

[About] Tab



This tab shows the version number, language and model name of your Printer Driver.

In case you contact your dealer (or authorized service representative) because of function errors, check this version number and so on beforehand.

3

**Printer Edition (Master-making
Mode)**



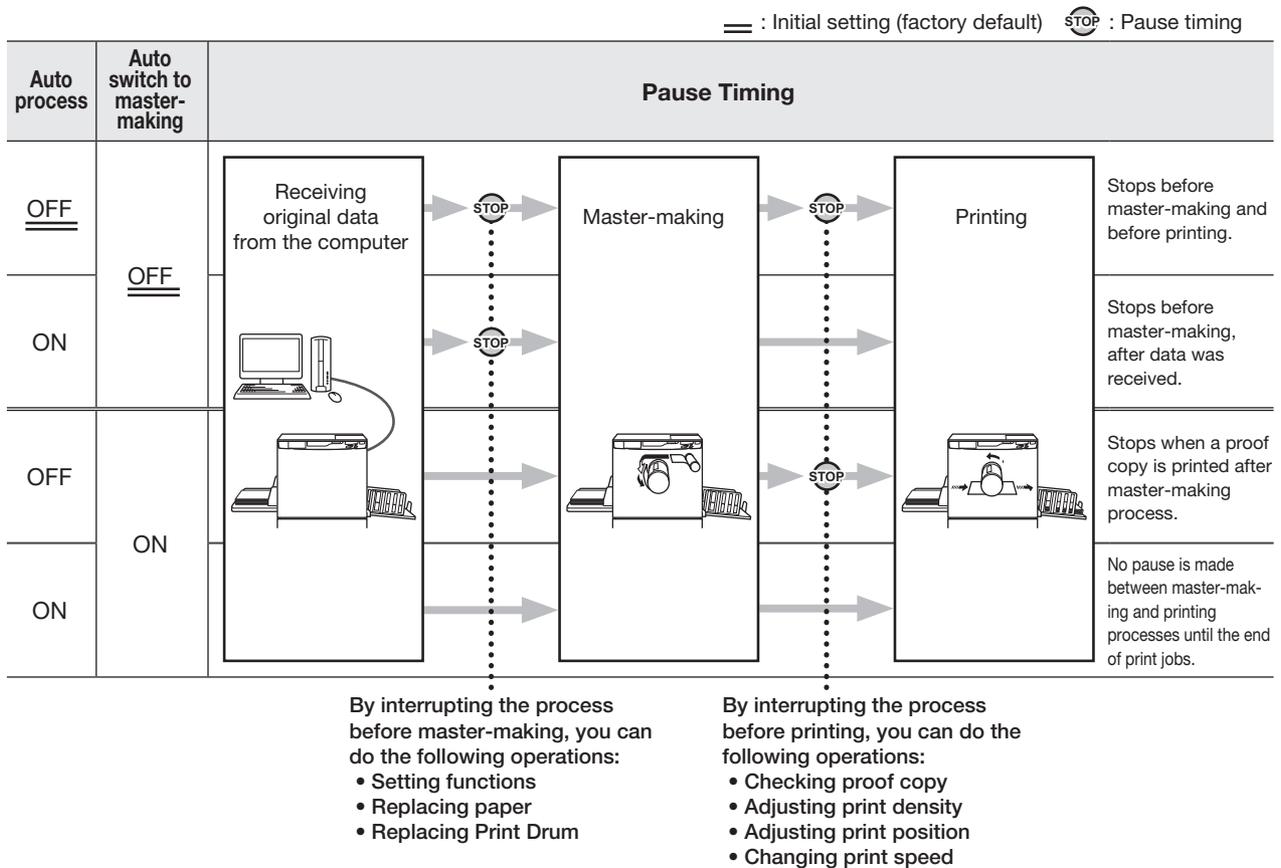
3 Printer Edition (Master-making Mode)

3.1 Automatic Printing [Auto-process]

The master-making and printing processes are automatically executed in sequence.
When Auto-process is set, the machine does not stop after the proof copy is ejected.

Auto-process and pause timing

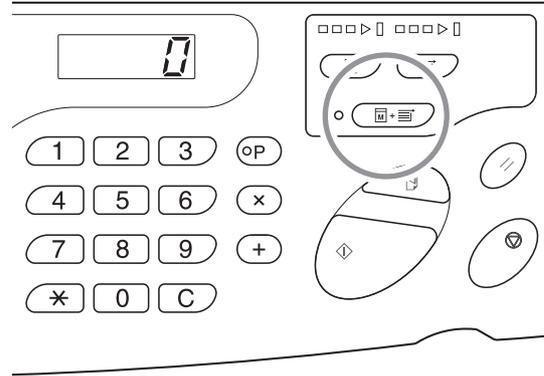
By combining the [Auto-process] and [Auto switch to master-making] (Custom Setting mode), the pause timing differs.



NOTE

- Initial setting of [Auto-process] and [Auto switch to master-making] can be changed by [Custom Setting mode].
 ☞ p.93 "Customizing Initial Settings [Custom Setting mode] / Auto-process", ☞ p.94 "Customizing Initial Settings [Custom Setting mode] / Auto Switch to Master-Making"
- If the error number (F-36) is displayed on the Print Quantity Display, Auto-process cannot be performed. ☞ p.129 "Troubleshooting"

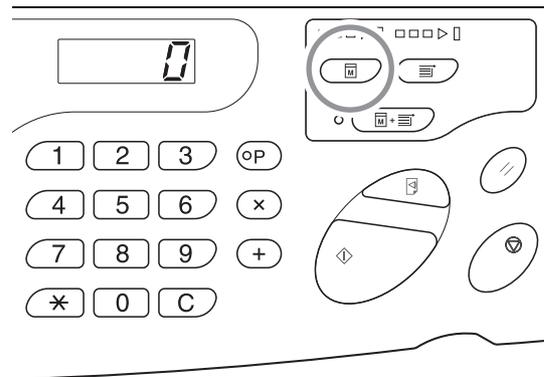
- 1 Press the <Auto-process> key to turn on the indicator.**



- 2 Send the original data from the computer.**

- 3 Press the <Master-Making> key.**

When receiving the original data at [Print] mode of the machine, press the <Master-Making> key to switch the mode to the [Master-making] mode.

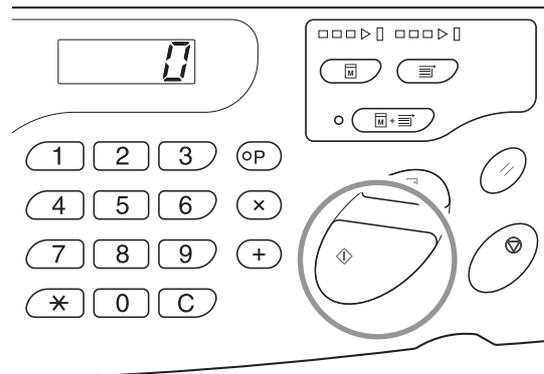


NOTE

Turn [ON] the [Auto switch to master-making] of [Custom Setting mode] in advance. When the original data is available and needs to be consecutively made into a master, this automatically starts master-making by switching the mode to [Master-making] mode.

- 4 Press the <Start> key.**

Confirm the number of pages to be printed out and press the <Start> key.



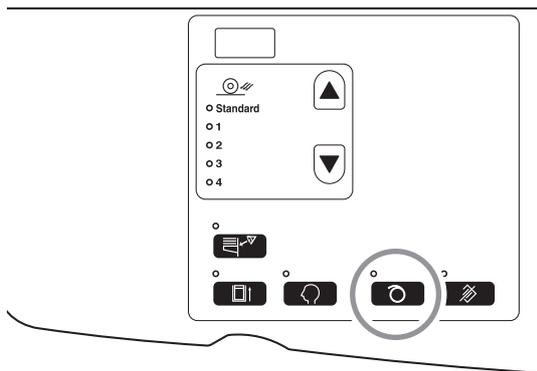
NOTE

- When the original data has multiple pages, printing continues from the second page.
- When Auto-process is set, the Print Quantity Display returns to the number of sheets that was set before printing after completion of Auto-process printing.
- To clear [Auto-process], press the <Auto-process> key again to turn off the indicator.

3.2 Idling Action [Idling]

Idling action prevents the machine from printing the first several copies with faint ink after the Print Drum has been exchanged or the machine has not been used for an extended period of time. By setting up idling before master-making, patchy and excessive amount of ink can be prevented at the beginning of printing.

Press the <Idling> key to turn on the indicator.



When the indicator is on, the master-making process starts after idling is executed.

NOTE

- To clear the mode, press the <Idling> key again to turn off the indicator.
- Idling setting does not execute if the master-making operation is not performed.

About Auto Idling Action

If the machine has not operated for a specified period of time, the indicator automatically lights and idling action is automatically executed when the next master-making operation is performed.

This function is called Auto Idling Action.

The [Custom Setting mode] allows you to change the initial setting for the above [Auto Idling time]. [p.93](#) "Customizing Initial Settings [Custom Setting mode] / Auto Idling Time"

4

Printer Edition (Print Mode)

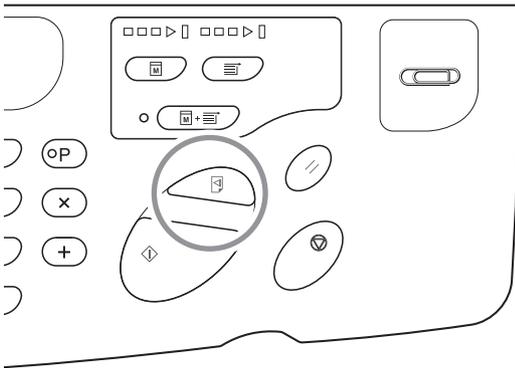


4 Printer Edition (Print Mode)

4.1 Producing Proof Copies [Proof]

After adjusting the print position and density, you can produce proof copies to check the print quality.
Even if proof copies are produced, the number of sheets Displayed on the [Print Quantity] display does not change.

Press the <Proof> key.



NOTE

By holding down the <Proof> key, you can continuously perform proof copy.

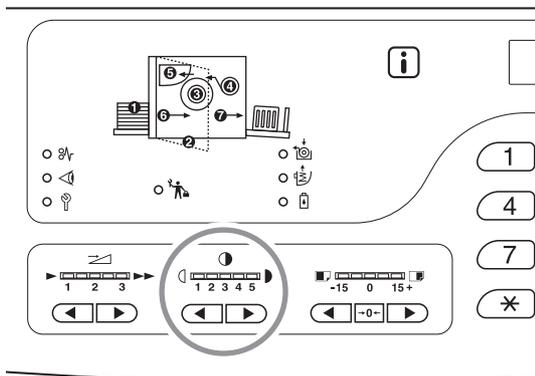
4.2 Adjusting the Print Density

[Print Density Adjustment]

You can select the print density from five levels.

It is possible for the print density to be adjusted during printing.

Press the <◀> key or <▶> key to adjust the print density.



Each time the key is pressed, the print density changes by one increment.

◀ Key: Decreases the print density.

▶ Key: Increases the print density.

Print Density indicator: Indicates the current setting value.

NOTE

[Custom Setting mode] allows you to change the initial setting for the print density. [p.93](#) "Customizing Initial Settings [Custom Setting mode] / Print Density"

4.3 Adjusting the Print Position [Print Position Adjustment]

Use the <Vertical Print Position Adjustment> keys to adjust the print position in the vertical direction, and then use the Horizontal Print Position adjustment of the Feed Tray Paper Guides to adjust the position in the horizontal direction.

It is possible for the print position (vertical direction) to be adjusted during printing.

Adjustment range Vertical: ± 15 mm Horizontal direction: ± 10 mm*

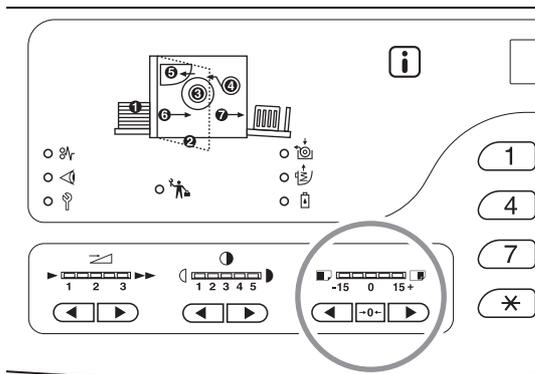
*For paper widths over 604 mm, the adjustment range in the horizontal direction becomes less than ± 10 mm.

IMPORTANT!

After adjusting the print position, print a proof copy to check the result. [p.72 "Producing Proof Copies \[Proof\]"](#)

Adjusting the Vertical Position

Press the <◀> key or <▶> key to adjust the vertical position.



 key: Each press shifts the print position downward in increments of about 0.5 mm.

 key: Each press shifts the print position upward in increments of about 0.5 mm.

 key: Returns the printing paper to the original position.

Print position (vertical) indicator:

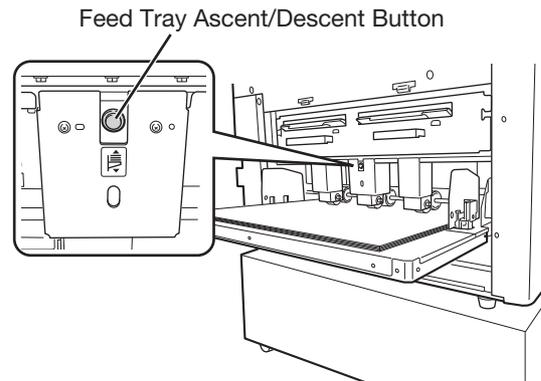
Indicates the amount (reference) of movement of current vertical position.

 : Shifts the print position downward.

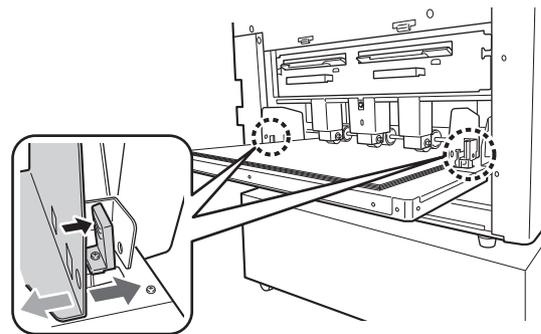
 : Shifts the print position upward.

Adjusting the Horizontal Position

- 1 Press the Feed Tray Ascent/Descent Button and lower the Paper Feed Tray.**



- 2 Open the Paper Feed Tray Paper Guides, move the paper to the desired direction, and then adjust the horizontal position.**



NOTE

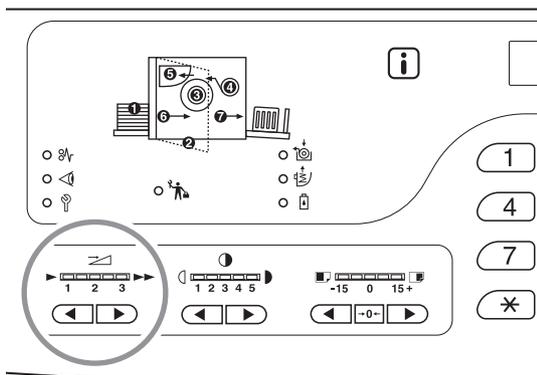
- Move the Receiving Tray Paper Guides as well to adjust the horizontal direction.
- ▽ mark on the Paper Feed Tray indicates the center. Move the paper with ▽ mark as reference.

4.4 Changing the Print Speed

[Print Speed Adjustment]

You can select the print speed from three levels; 60 copies to 100 copies per minute.
 You can adjust the print speed even during printing.

Press the <◀> key or the <▶> key to select the print speed.



Each time the key is pressed, the print speed changes by one increment.

◀ Key: Decreases the print speed.

▶ Key: Increases the print speed.

<Print Speed> indicator: Indicates the current setting value of the print speed.

The relationship between the indicator segment position and print speed

Segment Position	1	2	3
Print speed (Number of sheets per minute)	Approx. 60	Approx. 80	Approx. 100

NOTE

[Custom Setting mode] allows you to change the initial setting for the print speed. [p.93](#) "Customizing Initial Settings [Custom Setting mode] / Print Speed"

4.5 Setting the Output for Printing with Special Paper [Paper Ejection Adjustment]

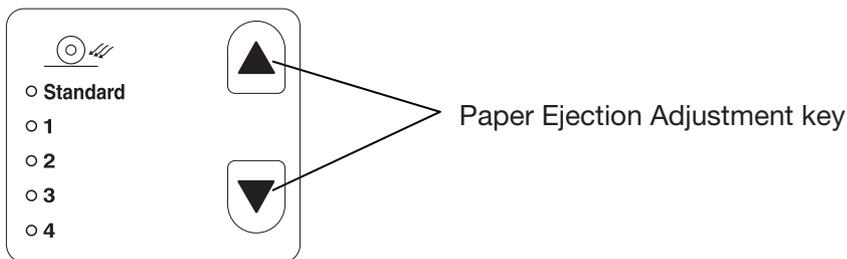
When printing with special paper or when paper jam occurs on the Paper Receiving Tray side, you can adjust the output setting. Combination of each adjustment value of separation fan, suction fan, and air blow are registered to the output setting in advance.

Press the <▲> key or the <▼> key to adjust output.

You can select Output setting from 1 to 4, which is registered in the "Paper ejection adjustment" in the custom setting mode or Standard in advance.

The indicator of the currently selected number is lit every time the key is pressed.

Select the value according to the Output state.



Setting value

Standard: Recommended setting

1: The value, which is effective^{*1} when printing paper remains on the pressure roller, is registered.

2: The value, which is effective at flying up^{*2} is registered.

3: For the factory default, the same setting as "Standard" is registered.

4: For the factory default, the same setting as "Standard" is registered.

*1 When printing paper is coiled around the pressure roller: Phenomenon where printing paper has slipped under the suction belt because the air from the air blow or the separation fan is too strong.

*2 Flying up: As the air from the air blow or the separation fan is weak, a phenomenon where the printing paper does not come off the drum and is not passed over to the suction belt (is not ejected) occurs.

NOTE

For setting value 1 to 4, which can be selected at [Paper ejection adjustment], you can register the combination of each adjustment value for separation fan, suction fan, and air blow. [Standard] is our recommended setting and cannot be changed. [p.94](#) "Customizing Initial Settings [Custom Setting mode] / Paper Ejection Adjustment Registration"

5

Advanced Features (Printer Machine Side)



5

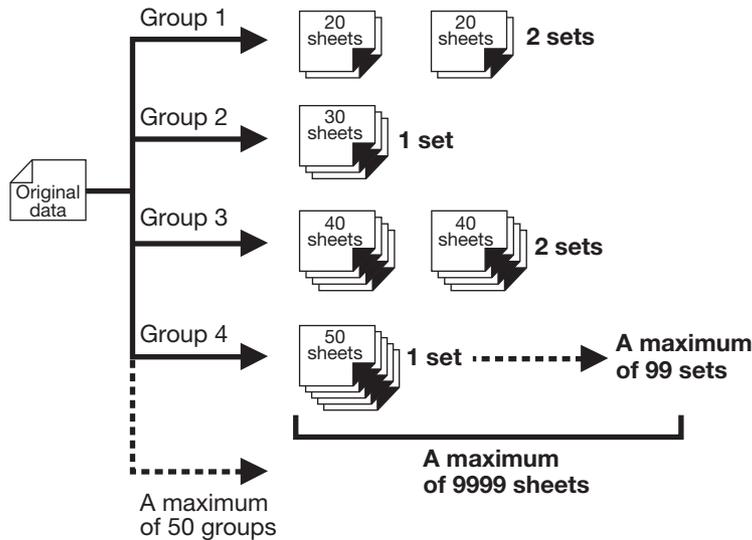
Advanced Features (Printer Machine Side)

5.1 Automatic Sorting into Groups [Program]

[Program] features printing into multiple groups of sets from a single original document.

A maximum of 50 groups can be created, where each group can be up to 9999 copies and 99 sets.

The machine can be configured to specify how many copies (sheets) per set, then how many sets are to be created for each group.



How to Program Print

There are two ways to print in sets using the Program printing feature.

- Program, then print.
- Retrieve a saved program, then print.

IMPORTANT!

[Program] is a function that is enabled only when printing (Print increase).

Setting Up for Programmed Printing

Program can be set when the machine is in a stop state before printing. Enter Group number → Number of copies → Number of Sets in this order.

IMPORTANT!

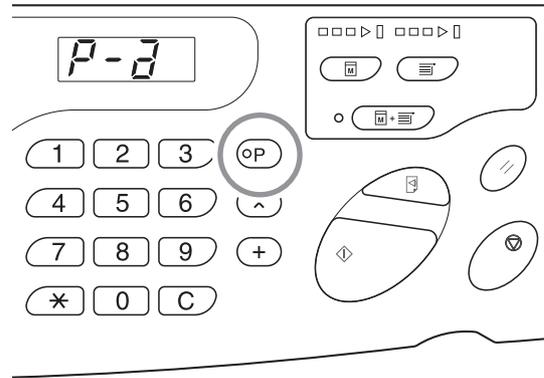
Even if the original data is received from the computer during [Program] setting or when printing is temporarily paused, the print job will not start until [Program] is cleared.

1 Press the <P> key to turn on the indicator.

[P-a] is displayed on the Print Quantity Display.

NOTE

To clear the program mode, press the <P> key again.



2 Press the <+> key.

Confirm the group number.

3 Press the <+> key.

The print quantity entry mode is started.

NOTE

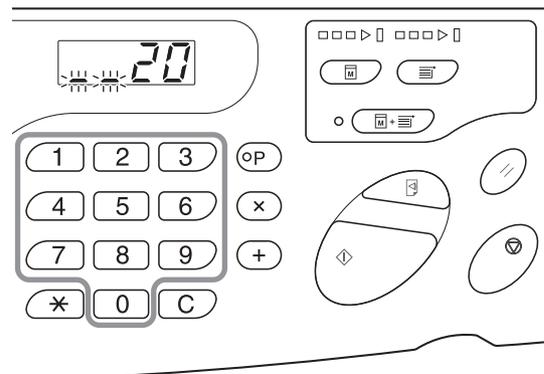
Press <x> key to return to the previous step.

4 Enter the number of copies to be printed using the Print Quantity keys.

Enter the number of copies for the first group.

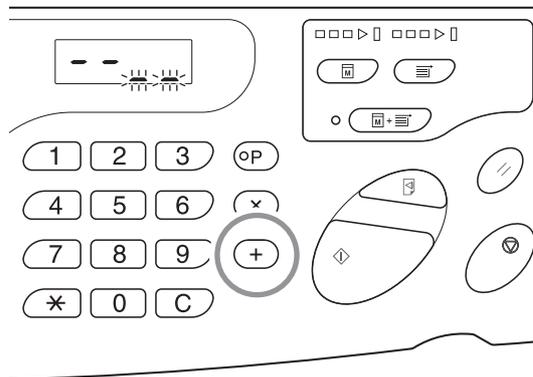
NOTE

If you enter an incorrect number, press the <C> key to clear the number, and then enter the correct number.



5 Press the <+> key.

The print quantity entry mode is started.

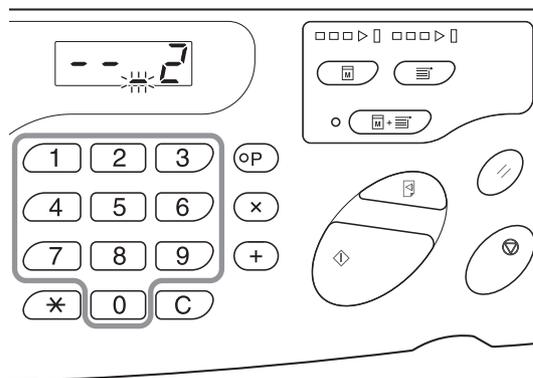


6 Enter the number of sets using the Print Quantity keys.

To set the next group, go to step 7. To finish the setting and to start printing, go to step 8.

NOTE

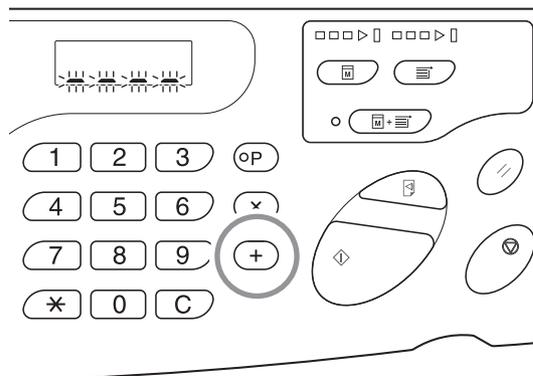
- If you enter an incorrect number, press the <C> key to clear the number, and then enter the correct number.
- If you do not enter a number, 1 is selected.



7 Press the <+> key.

The machine then allows the number of copies for the second group to be entered.

Repeat steps 4 through 6 to specify the number of copies and sets for each group.

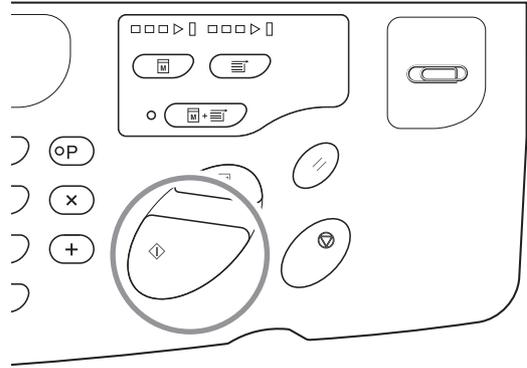


IMPORTANT!

To save the current program settings, see p.84 "Saving Programs" for further information. Once printing is finished, the settings cannot be saved.

8 Press the <Start> key.

Printing is started with the last programmed group.



IMPORTANT!

When printing is finished for all groups, the programmed content is cleared. However, it is not cleared when [Auto-process] has been set to ON.

NOTE

To interrupt printing, press the <Stop> key. Press the <Start> key to resume printing.

Saving Programs

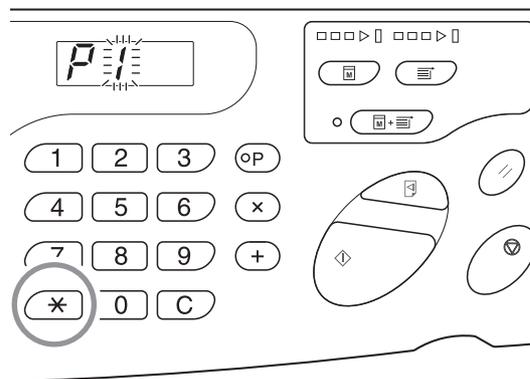
Store frequently-used program settings for later retrieval and printing.
A total of six settings can be stored.

1 Set the program.

Enter the necessary settings on the control panel. [p.81 "Setting Up for Programmed Printing"](#)

2 Press the <*> key.

Store program settings.

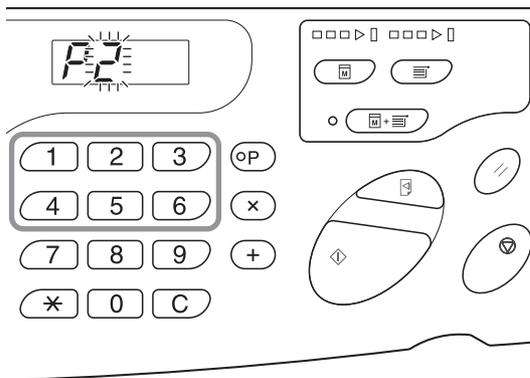


3 Enter the program number using the Print Quantity keys.

Select the number from 1 to 6.

NOTE

- When a program number that has already been stored is selected, [a] is displayed. When a program number that has not been registered is selected, the display becomes blank.
- Selecting a number that has already been stored overwrites the previous settings. Confirm the settings on the display before saving to the same number.

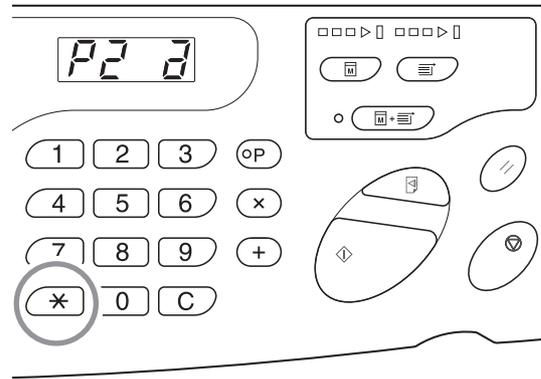


4 Press the <∗> key.

Program settings are stored.

NOTE

After storing a program, press the <P> key to finish saving the program. By pressing the <Start> key, you can start printing with a stored program.



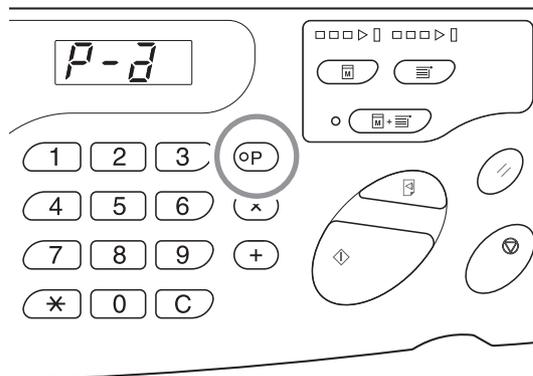
Retrieving Programs

Stored programs can be retrieved for printing and changing the contents of setting.

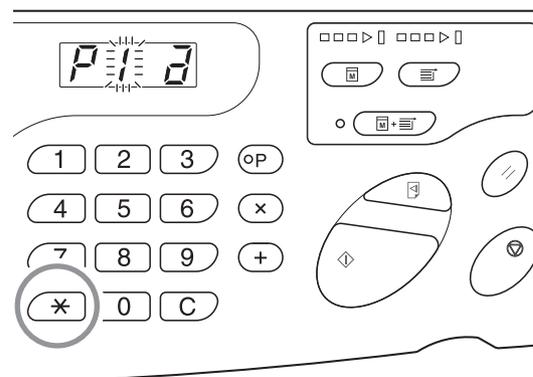
1 Press the <P> key to turn on the indicator.

NOTE

To clear the program mode, press the <P> key again.



2 Press the <*> key.

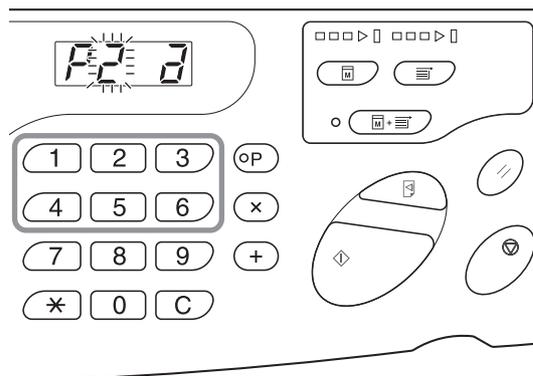


3 Enter the Program Number using the Print Quantity keys.

A stored program is retrieved.

NOTE

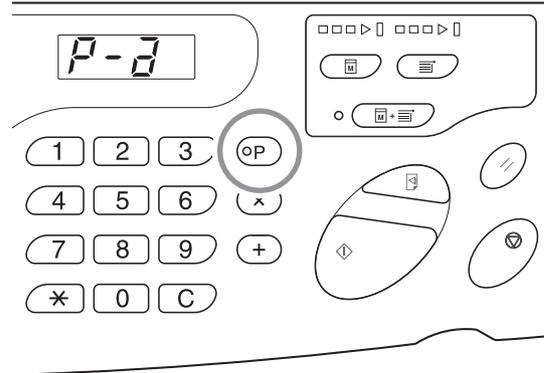
- By pressing the <Start> key, you can start printing with a retrieved program.
- You cannot enter an unstored program number.
- Press the <P> key to check or change the contents.
☞ p.87 "Making Changes to Stored Programs"



Making Changes to Stored Programs

1 Retrieve a program to modify.

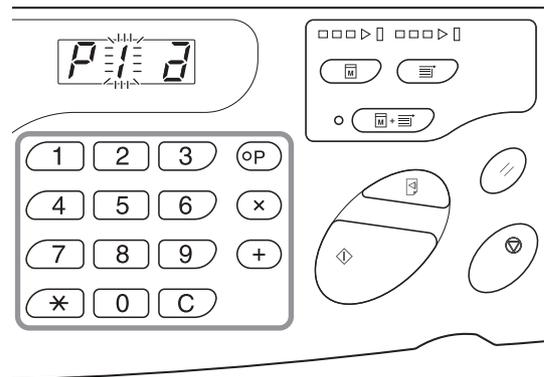
Follow steps 1 and 3 in p.86 "Retrieving Programs".



2 Press the <+> key.

Displays the stored number of copies or sets.

Press the <+> key continuously until the value that is to be modified appears.



3 Press the <C> key and the Print Quantity keys to change the number of copies or sets.

4 Press the <*> key.

Program settings are modified.

5 Store the program.

The program settings are registered by one of the two methods below.

To overwrite the retrieved program, press <*> again.

To store a new program number, enter the program number to store using the Print Quantity keys and press the <*> key.

IMPORTANT!

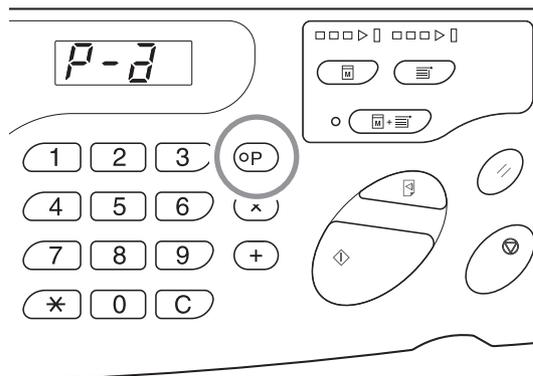
Selecting a number that has already been stored overwrites the previous settings.

Clearing Programs

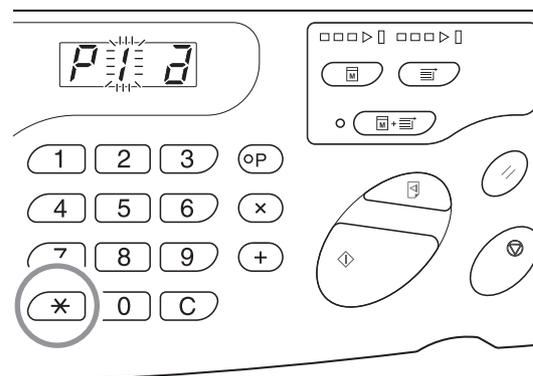
- 1 Press the <P> key to turn on the indicator.**

NOTE

To clear the program mode, press the <P> key again.



- 2 Press the <*> key.**

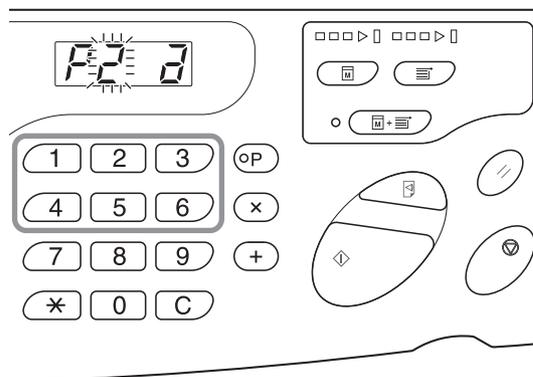


- 3 Enter the program number using the Print Quantity keys.**

Displays the program number where the setting to be deleted is stored.

NOTE

An unstored program number cannot be entered. Select a stored program number.

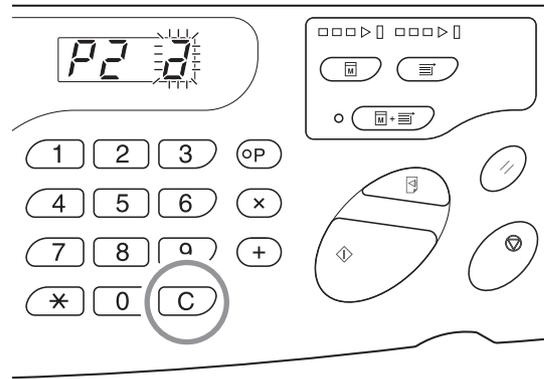


4 Press the <C> key.

Program type (a) blinks on the display.

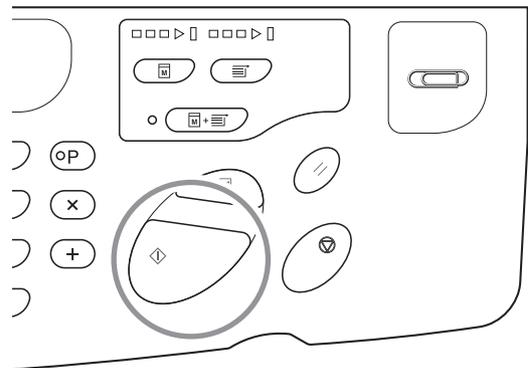
IMPORTANT!

Press the <Stop> key to cancel the clearing program.



5 Press the <Start> key.

The selected program settings are cleared.
Press the <P> key to cancel program mode.

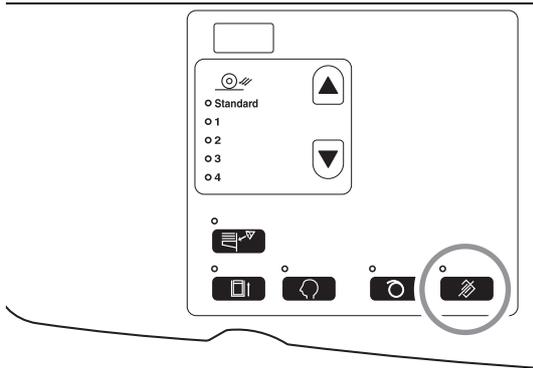


5.2 Clearing Received Jobs [Clear Job]

Clears all jobs (including those which are waiting for master-making and receiving) that the machine possesses. It is convenient for clearing original data sent from your own computer by mistake.

Press the <Clear Job> key.

The key can be pressed when the Clear Job indicator is lit.



About the Clear Job indicator

The state of the Clear Job indicator shows the receiving state of the original data.

Turn on indicator: Job waiting for master-making is available.

Turn off indicator: Original data has not been received.

Blink (Slow): Receiving the original data.

Blink (Fast): Deleting jobs. Delete all jobs (including receiving job) that the machine possesses.

5.3 Protecting Confidential Documents

[Confidential Mode]

After printing is complete, the master remains on the Print Drum and is ready for printing another set of copies.

To protect confidential documents from unauthorized duplication, use the Confidential mode to discard the master after printing.

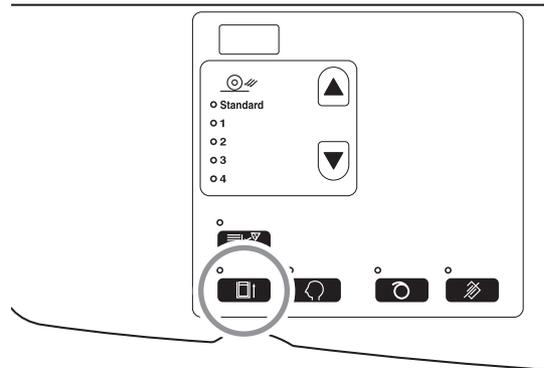
1 Confirm that printing has ended.

Printing should be completely finished.

2 Press the <Confidential> key to turn on the indicator.

NOTE

To clear the confidential mode, press the <Confidential> key again to turn off its indicator.

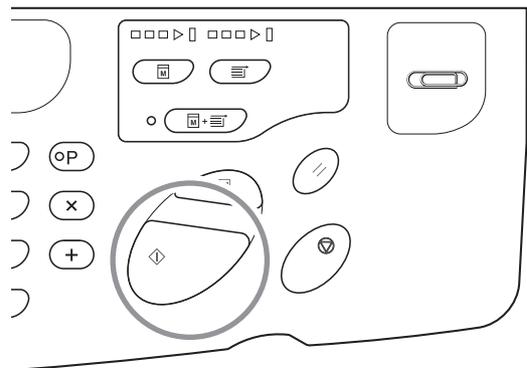


3 Press the <Start> key.

The current master is discarded and replaced with a blank one.

NOTE

- After the discard and replacement, [Confidential mode] is cleared.
- If you execute [Confidential mode] processing when the idling indicator is on, the machine operates confidential processing and idling action at the same time. This operation is recommended before storing infrequently used drums such as a Color Drum.



5.4 Preventing Paper Jams When Using Special Paper [Double Feed Check]

This machine is equipped with a [Double Feed Check] function to monitor paper feeding. It automatically stops when multiple papers are fed.

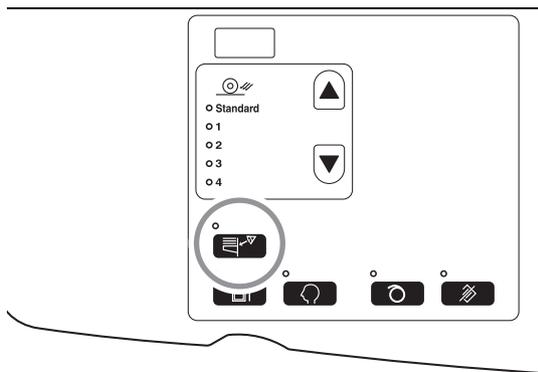
IMPORTANT!

The [Double Feed Check] sensor is set according to general printing paper, therefore, even if one sheet of paper is fed normally, it may be detected as a multiple feed and an error may be displayed. Turn [Double Feed Check]-[OFF] in case the following phenomena occurs.

- The [Double Feed Check] message is often displayed although there is no multiple feed.
- Dark color (black, red, navy etc.) paper is used.
- Paper in which the rear side has been already printed is used.

Press the <Double Feed Check> key.

The indicator is turned off and the [Double Feed Check] becomes [OFF].



NOTE

- For the factory default, [Double Feed Check] is set to [ON].
- [Custom Setting mode] allows you to change the initial setting for [Double Feed Check].
p.94 "Customizing Initial Settings [Custom Setting mode] / Double Feed Check"
- To set [Double Feed Check], press the <Double Feed Check> key again to light up the lamp.

5.5 Customizing Initial Settings

[Custom Setting Mode]

You can change the initial settings that are restored when the power is turned on or when the <Reset> key is pressed. These initial settings can be customized according to the working condition. Changed settings are effective until they are changed again.

The changeable items and their descriptions are as follows:

 :Initial setting (factory default)

Item No.	Changeable Items	Parameter Selection					
		0	1	2	3	4	5
01	Print Speed Change the initial setting of [Print speed].	1	<u>2</u>	3			
02	Print Density Change the initial setting of [Print density].	1	2	<u>3</u>	4	5	
03	Auto-process Change the initial setting for [Auto-process].	<u>OFF</u>	ON				
08	Auto Idling Time Change the initial setting of Auto idling time. <div style="border: 1px solid black; padding: 5px; width: fit-content;"> NOTE Depending on the drum used (black or color), the operation start time of idling is different. (): When using a color drum </div>	Not Set	6 hours (3 hours)	<u>12 hours</u> (6 hours)			
10	Auto Power-OFF When a certain amount of time elapses, the power automatically turns off. (Unable to receive data.)	<u>Not Set</u>	Approx 5 minutes	Approx 15 minutes	Approx 30 minutes	Approx 60 minutes	Approx 90 minutes
12	Auto Clear Time Select the waiting period required to make the machine automatically reset settings.	<u>Not Set</u>	Approx 3 minutes	Approx 5 minutes			
13	Paper Type If paper is not supplied smoothly with [Standard] preset, you can use User 1 through 5 to program the paper supply and paper ejection adjustment parameters suitable for the paper to be used. For details, contact your dealer (or authorized service representative). <div style="border: 1px solid black; padding: 5px; width: fit-content;"> NOTE User 1 through 5 are not programmed when the machine uses the factory default settings. </div>	<u>Standard</u>	User 1	User 2	User 3	User 4	User 5

Item No.	Changeable Items	Parameter Selection					
		0	1	2	3	4	5
15	<p>Beep Sound</p> <p>Specify how an alarm should sound when keys are operated or errors occur.</p> <ul style="list-style-type: none"> Level 2 A beep sounds at all preset occasions; for example at the time of key operations and event generation/end. Level 1 A beep sounds only at the time of error occurrence, setting completion and pulling-out enabled. Level 0 No beep for any occasions. 	<u>Level 2</u>	Level 1	Level 0			
16	<p>Reserve Period</p> <p>Change the time in which the output command for original data from the personal computer is restricted. This can be done for a certain period of time, while the machine is in a non-operating state (only receiving is enabled).</p>	OFF	<u>15</u> <u>seconds</u>	30 seconds	60 seconds		
20	<p>Print Quantity Restoration Setting</p> <p>Set the restoration setting for Print Quantity. Select [ON] when you want to restore the Print Quantity after printing is finished.</p>	<u>OFF</u>	ON				
29	<p>Double Feed Check</p> <p>Set whether to detect double feed (overlapped paper is fed).</p>	OFF	<u>ON</u>				
32	<p>Auto Switch to Master-Making</p> <p>Automatically switches to master-making mode and starts master-making when there is subsequent data for master-making after printing is completed.</p>	<u>OFF</u>	ON				
33	<p>Paper Ejection Adjustment Registration</p> <p>When special paper is used or the paper is difficult to eject, an output adjustment from 1 to 4 can be registered and changed according to the paper to be used and combining each adjustment value of separation fan, suction fan, and air blow. ☞p.98 "Registering Paper Ejection Adjustment"</p>	Paper ejection adjustment registration (1): No: P1 to 4 Separation fan (1): OFF/ <u>1</u> /2/3/4 Suction fan (2): 1/ <u>2</u> /3/4 Air blow (1): OFF/ <u>ON</u>					
34	<p>Paper Ejection Adjustment</p> <p>Customize the initial setting of [Paper ejection adjustment]</p>	<u>Standard</u> <u>(0)</u>	1	2	3	4	
52	<p>Total Quantity Display</p> <p>The total number of copies printed with the machine is displayed. This number is displayed by two switching screens; a 3-digit number preceded by an under bar and a 4-digit number. Example: For 1,234,567 copies, _123→4567</p>	Execute steps 1 through 3 in "Operation Procedure". p.96 "Operation Procedure" The total number of printed copies is shown on the Total Quantity display.					

Item No.	Changeable Items	Parameter Selection					
		0	1	2	3	4	5
53	<p>Master Quantity Display</p> <p>The total number of masters generated with the machine is displayed.</p> <p>This number is displayed by two switching screens; a 3-digit number preceded by an under bar and a 4-digit number.</p> <p>Example: For 1,234,567 masters, _123→4567</p>	<p>Execute steps 1 through 3 in "Operation Procedure". p.96 "Operation Procedure"</p> <p>The total number of generated masters is shown on the Master Quantity display.</p>					
54	<p>Total Print Drum Print Quantity Display</p> <p>The number of copies printed with the current Print Drum on the machine is displayed.</p> <p>This number is displayed by two switching screens; a 3-digit number preceded by an under bar and a 4-digit number.</p> <p>Example: For 1,234,567 copies, _123→4567→_123→4567</p>	<p>Execute steps 1 through 3 in "Operation Procedure". p.96 "Operation Procedure"</p> <p>The total number of copies printed with the Print Drum is shown on the [Print Drum Print Quantity] Display.</p>					
70	<p>Base IP Address Setting</p> <p>Set an IP address for the machine.</p>	<p>p.102 "Machine IP Address Setting"</p>					
73	<p>Initialize the Network</p> <p>Initialize the network setting and return to the factory setting when the RISO Network Card (option) is installed.</p>	<p>See the User's Guide of "RISO Network Card" for details.</p>					
99	<p>Initial Setting Restoration</p> <p>Resets all [Custom Setting] mode settings to the initial settings (factory default).</p>	<p>p.96 "Operation Procedure"</p>					

Operation Procedure

This section explains how to set items in [Custom Setting mode].
Refer to the relevant page for the following items.

- Paper ejection adjustment registration [p.98](#) "Registering Paper Ejection Adjustment"
- Machine IP address setting [p.102](#) "Machine IP Address Setting"

NOTE

Cancel the entered numerical value by using the <C> key.

1 Press the <Custom> key to turn on the indicator.

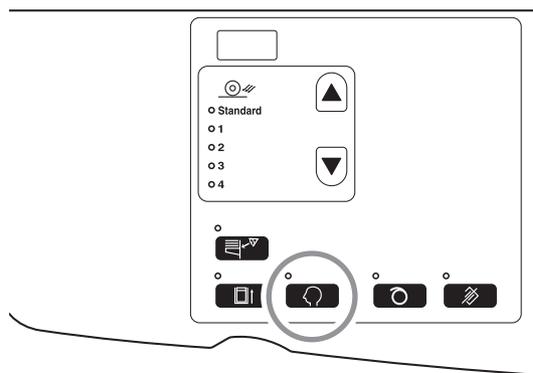
The item entry mode is started.

IMPORTANT!

If the RISO Network Card (option) is installed, you will not be able to enter the custom setting mode for up to one minute after turning on the power.

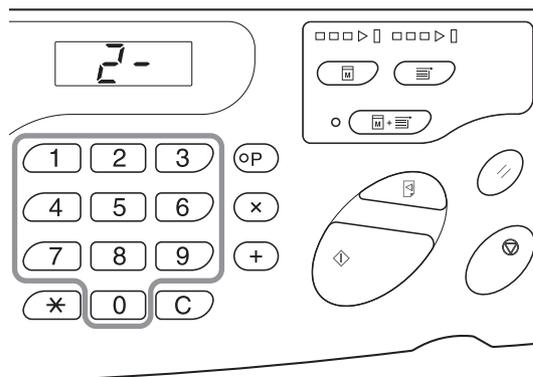
NOTE

To clear the mode, press the <Custom> key again to turn off its indicator.



2 Enter an item number to be changed, using the Print Quantity keys.

The <Print Quantity> Display shows the current parameter setting for the selected item number.



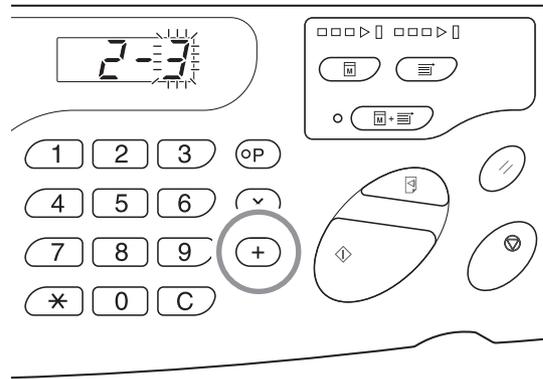
3 Press the <+> key.

Pressing this key allows you to select a parameter number.

The currently set parameter number blinks.

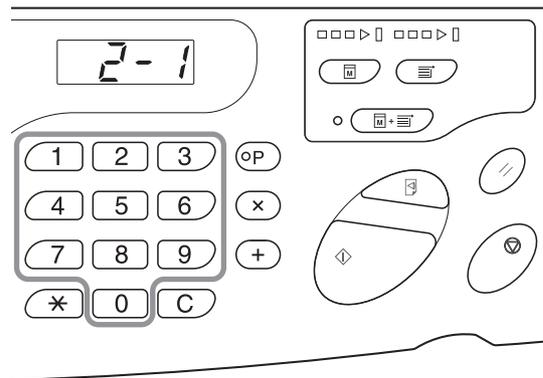
NOTE

To restore the settings for [Custom Setting mode] or network card restoration, press the <+> key, and then press the <Start> key.



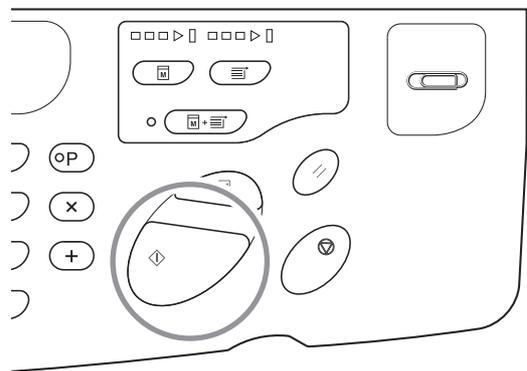
4 Enter a parameter number using the Print Quantity keys.

If there is more than one item to be changed, press the <+> key, and then repeat Steps 2 through 4.



5 Press the <Start> key to complete the settings.

The changed contents are programmed and the normal mode is restored.



Registering Paper Ejection Adjustment

Up to four types of adjustment value can be registered by combining the value for air blow, separation fan, and suction fan to be used for paper ejection adjustment at normal mode. The setting value, which was registered here, can be selected from "Paper ejection adjustment" 1 to 4 in the control panel.

Enter the paper ejection adjustment registration number and enter separation fan, suction fan, and air blow in this order.

NOTE

- The recommended setting value is set to paper ejection adjustment 1 to 4 in advance.
- "Standard (0)" of the paper ejection adjustment registration cannot be changed.
- Press the <C> key to cancel the entered numerical value.
- Press the <X> key to return to the previous screen.
- Refer to p.101 "Output mechanism and adjustment value" to find the effect of each setting value.

1 Press the <Custom> key to turn on the indicator.

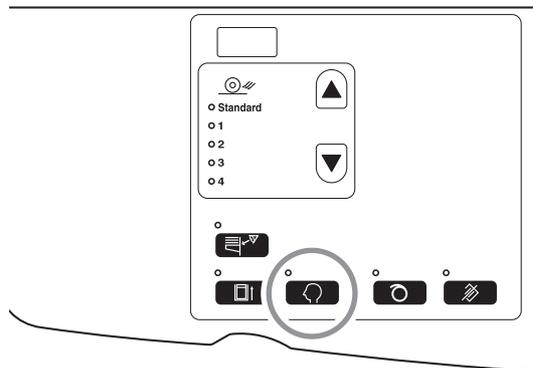
The item entry mode is started.

IMPORTANT!

If the RISO Network Card (option) is installed, you will not be able to enter the custom setting mode for up to one minute after turning on the power.

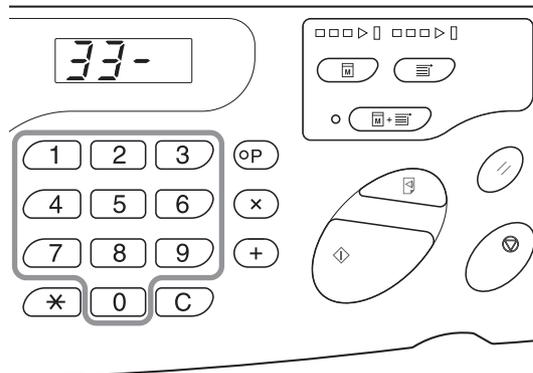
NOTE

To clear the mode, press the <Custom> key again to turn off the indicator.



2 Enter an item number to be changed, using the Print Quantity keys.

Enter "33" for the item number.



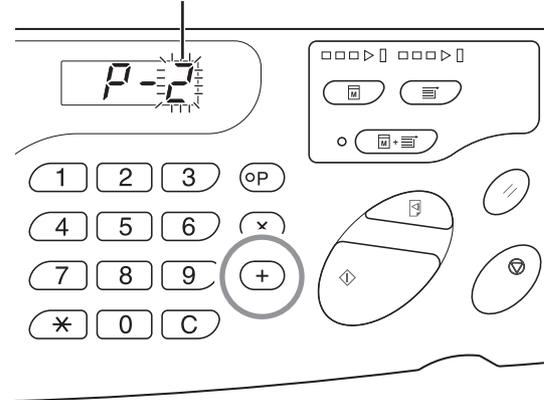
3 Press the <+> key.

Pressing this key allows you to select a paper ejection adjustment registration number.

The current paper ejection adjustment registration number blinks.

4 Enter a paper ejection adjustment registration number using the Print Quantity keys.

Paper Ejection Adjustment Registration No.

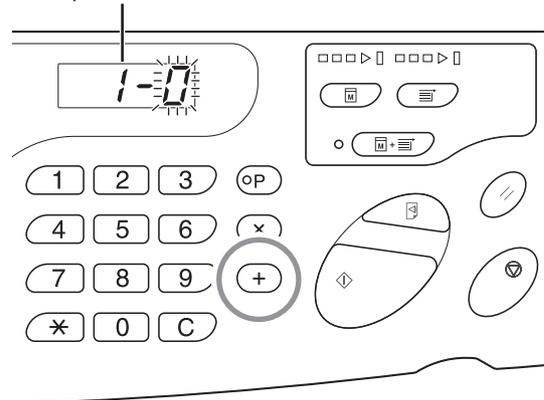
**5 Press the <+> key.**

The [Separation fan setting input] display appears and the setting value blinks.

6 Enter a separation fan setting value.

Enter the setting value using the Print Quantity keys.
Setting value; 0 (OFF) to 4

Separation Fan

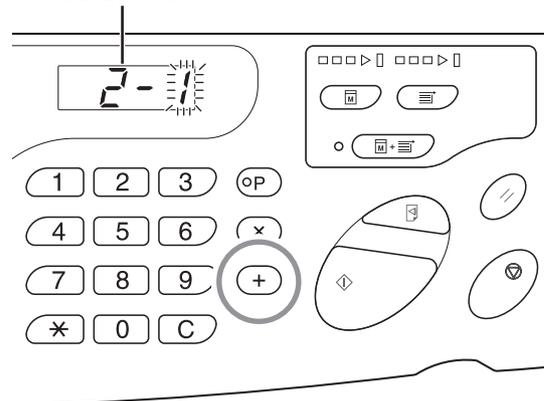
**7 Press the <+> key.**

The [Suction fan setting input] display appears and the setting value blinks.

8 Enter a suction fan setting value.

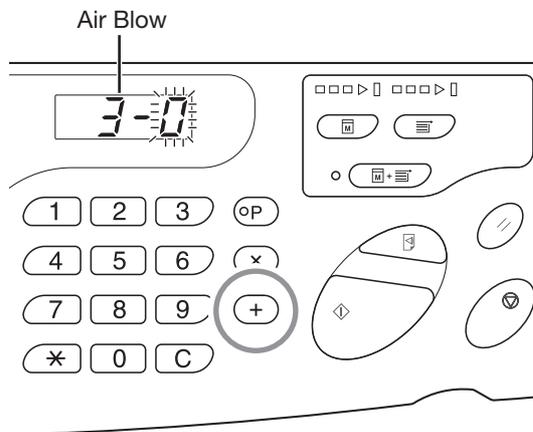
Enter the setting value using the Print Quantity keys.
Setting value: 0 to 3 (Four levels) [p.101](#)

Suction Fan



9 Press the <+> key.

The [Air blow setting input] display appears and the setting value blinks.



10 Enter an air blow setting value.

Enter the setting value using the Print Quantity keys.

0: OFF

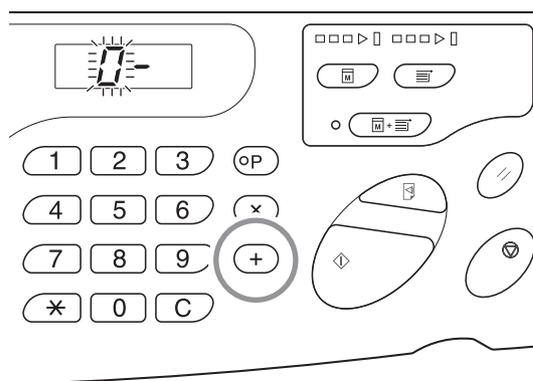
1: ON

11 Press the <+> key.

Paper ejection adjustment registration is confirmed and returns to the item number input mode.

Repeat the above procedure from 2 to 11 to register continuously.

To return to the normal mode, press the <Custom> or the <Start> key.



IMPORTANT!

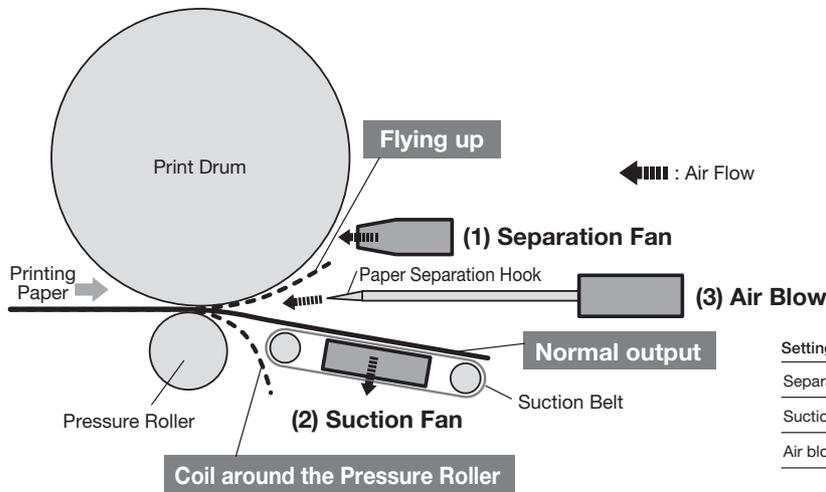
- When the <Custom> key is selected before pressing <+> key, setting contents are deleted and returns to normal mode.
- When the <Start> key is selected before pressing <+> key, the registration contents are confirmed and the mode returns to the normal mode.

Output mechanism and adjustment value

Print-out images may become uneven or blurred depending on the image type of the original document, type of paper, print speed, and working environment.

When such phenomenon occurs, adjust air blow, separation fan, and suction fan. If the set contents are registered, printing can be conducted by selecting from [Paper ejection adjustment] in the control panel from the second time.

Output mechanism



Setting Range		
Separation Fan	OFF/ <u>1</u> /2/3/4	(Five levels)
Suction Fan	1/ <u>2</u> /3/4	(Four levels)
Air blow	OFF/ <u>ON</u>	(Two levels)

— : Initial setting (factory default)

Adjustment value

No.	Part name	Function	Phenomenon	Name	Adjustment
(1)	Separation fan	Ejects air from the Paper Separation Nozzle and peels the entire paper area from the drum.	• Separation air is weak and the printing paper cannot be peeled from the drum, and thus is not sent to the suction.	Flying up	Separation fan: Strong
			• Separation air is strong, and the printing paper enters the suction from the bottom.	Coil around pressure roller	Separation fan: Weak
			• Separation air is weak and the timing when the paper is peeled off is different between the center and the edge of the paper (printing paper top side).	Artifacts on both sides of the front side	Separation fan: Strong
(2)	Suction fan	Sucks paper and presses it against the suction belt and sends to Paper Receiving tray.	• Suction force for printing paper is weak and there is not enough force to carry the paper by suction, and thus, paper is not aligned at paper ejection.	Insufficient alignment of paper to be ejected.	Suction fan: strong
			• Suction force of the printing paper is strong and the timing when the paper is peeled off is different between the center and the edge of the paper (Printing paper bottom side)	Artifacts on both side of the rear side.	Suction fan: Weak
(3)	Air blow	Ejects air from Paper Separation Hook and peels the edge of the paper from the drum.	• Air blow is weak and printing paper cannot be peeled from the drum, and thus is not sent to the suction.	Flying up	Air blow: ON
			• Air blow is strong and the printing paper enters the suction from the bottom.	Coil around pressure roller	Air blow: OFF
			• Air blow is strong and the timing when the paper is peeled off is different between the center and the edge of the paper (Printing paper top side)	Artifacts on both side of the front side.	Air blow: OFF

Machine IP Address Setting

It is necessary to set IP address to connect the machine with the personal computer. Network must be connected before setting up IP address. IP address cannot be set if Ethernet cable and RISO Network Card (option) is not connected.

1 Press the <Custom> key to turn on the indicator.

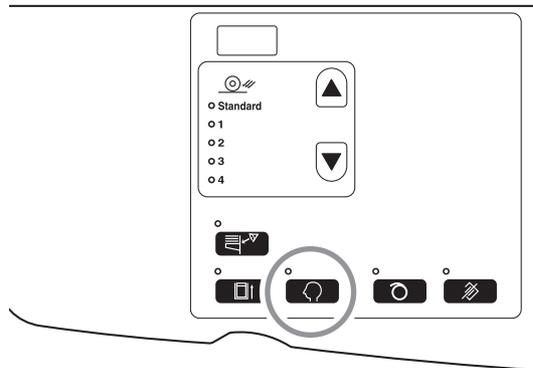
The item entry mode is started.

IMPORTANT!

If the RISO Network Card (option) is installed, you will not be able to enter the custom setting mode for up to one minute after turning on the power.

NOTE

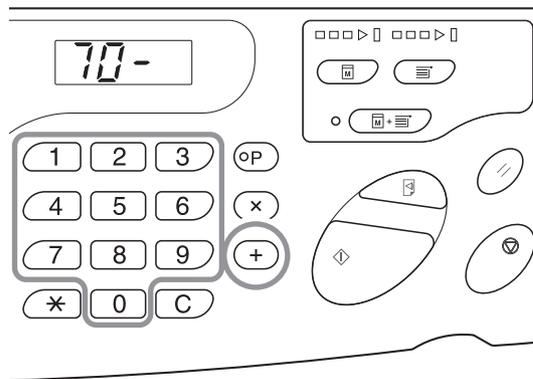
To clear the mode, press the <Custom> key again to turn off the indicator.



2 Enter an item number, using the Print Quantity keys.

Enter "70" for the item number.

3 Press the <+> key.

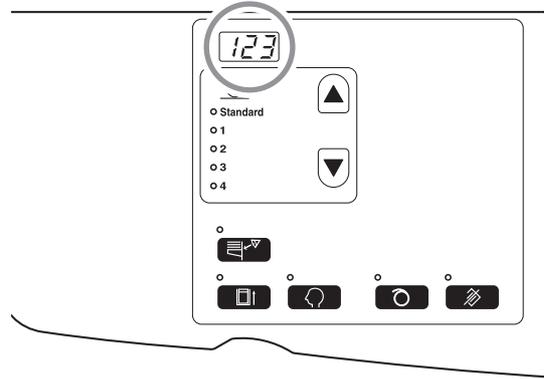


4 Enter the first field of the IP address, using the Print Quantity keys.

The entered number is displayed on the sub panel.

IMPORTANT!

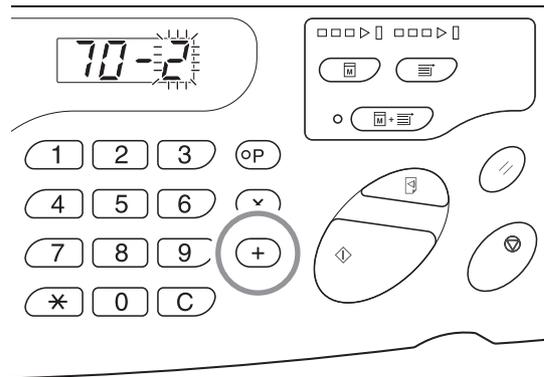
- The segmented numbers of the IP address by period are called Field 1, Field 2... in order from the first number.
- Initial setting of the IP address of this machine is set to "0.0.0.0". When the IP address of this machine is set to "0.0.0.0", DHCP is turned ON.



5 Press the <+> key.

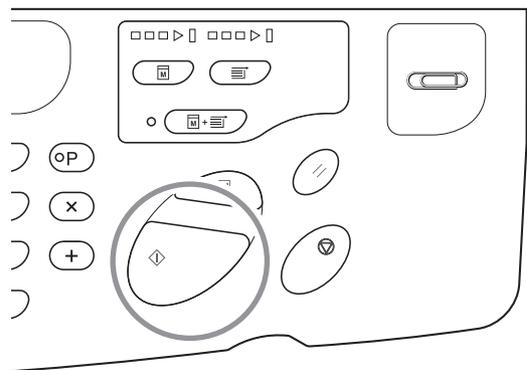
When the key is pressed, the entered numerical number is fixed and the procedure moves to the next field.

6 Repeat the procedure from Steps 3 to 5 and enter the IP address up to Field 4.



7 Press the <Start> key to complete the settings.

IP address setting is completed.



6

Replacing and Disposing Consumables



6

Replacing and disposing consumables

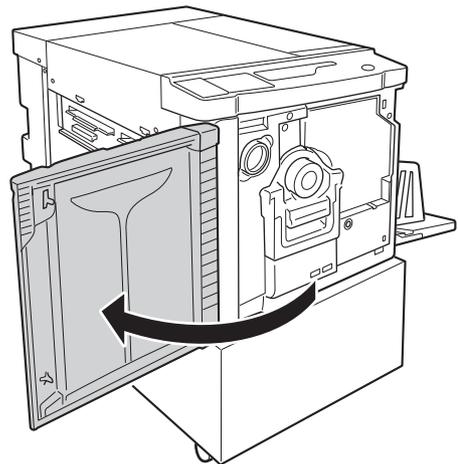
6.1 Replacing the Ink Cartridge

When the ink cartridge becomes empty, the Ink Replacement indicator lights. Replace with a new ink cartridge.

IMPORTANT!

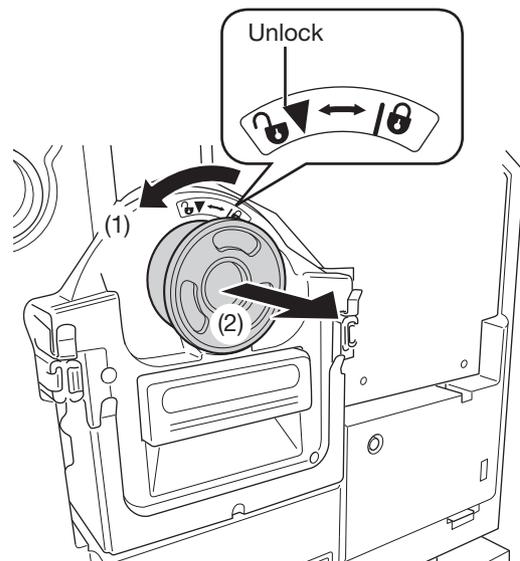
- For the ink cartridge, it is recommended to use the products specified by Riso.
- Keep the power ON while replacing the ink cartridge.
- Make sure to use the ink cartridge of the same ink color. When changing the ink color, replace the Print Drum itself.

1 Open the Front Cover.



2 Pull the empty ink cartridge out of the holder.

Turn the ink cartridge counter-clockwise (🔒), and then pull it out.

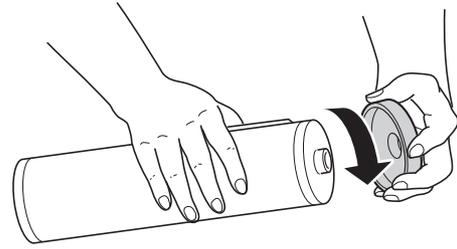
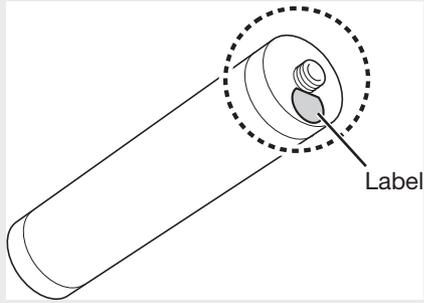


3 Remove the cap from a new ink cartridge.

Turn the cap of the ink cartridge to remove the cap.

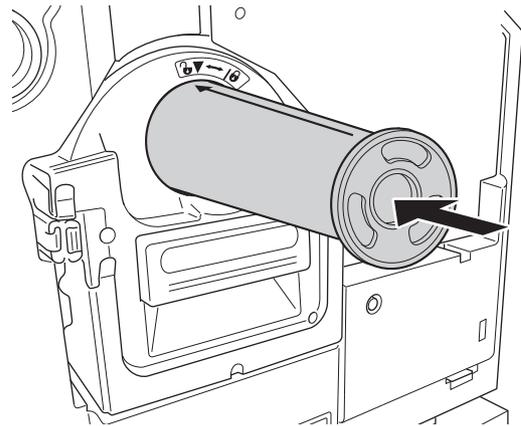
IMPORTANT!

Do not touch or give impact to the outlet surface of the new ink cartridge.
Do not peel off the label next to the ink cartridge opening.



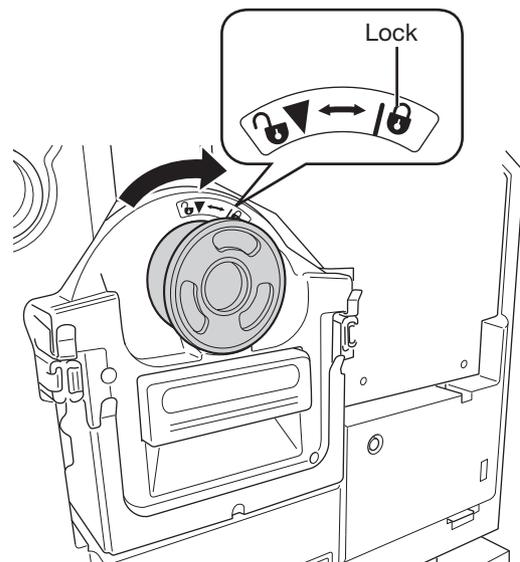
4 Insert the new ink cartridge.

Align the arrow on the ink cartridge with the ▼ mark on the holder, and then push the ink cartridge until it stops.



5 Lock the ink cartridge.

Turn the ink cartridge clockwise (🔒) to lock it.

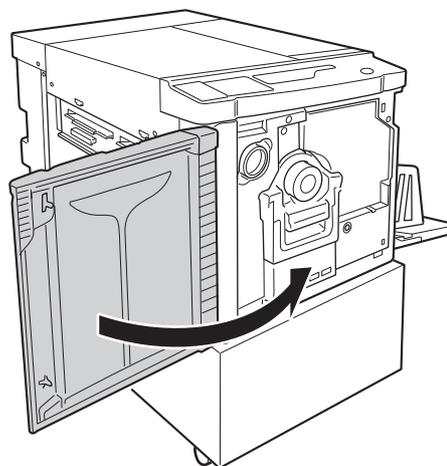
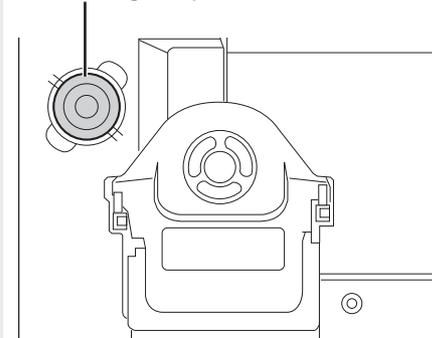


6 Close the Front Cover.

NOTE

- The cap removed from the ink cartridge can be kept on the upper left of the drum.
- Dispose the empty Ink cartridge according to the regulations in your local community.

Ink Cartridge Cap Holder



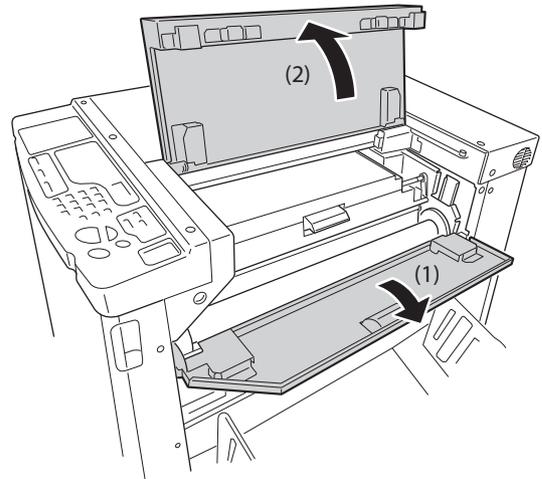
6.2 Replacing the Master Roll

When the entire master is consumed, the Replace Master Roll indicator lights. Replace with a new master.

IMPORTANT!

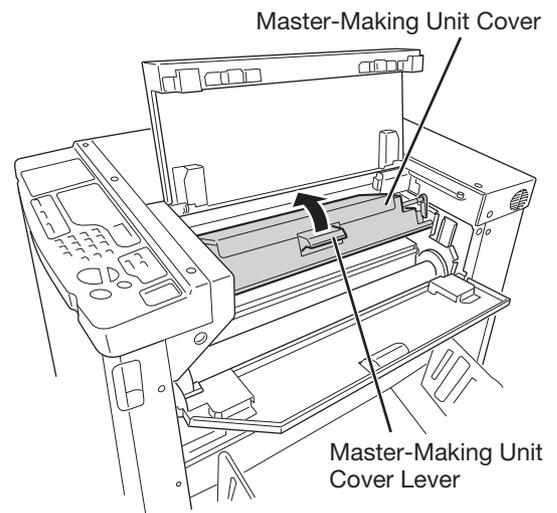
- For the Master Roll, it is recommended to use the products specified by Riso.
- Keep the power ON while replacing the master.

1 Open the Master Cover.



2 Open the Master-Making Unit Cover.

Grasp the Master-Making Unit Cover Lever and open the Master-Making Unit Cover.

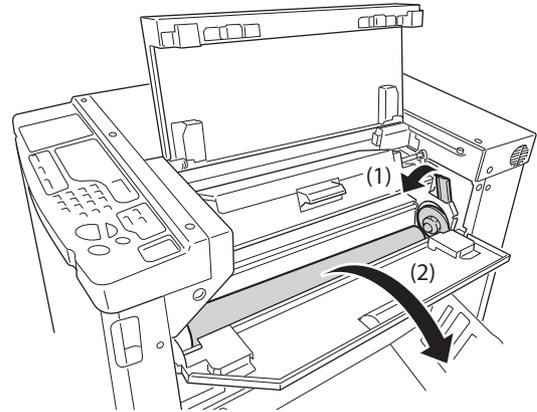


3 Remove the depleted Master Core.

While reclining the Master Roll Lock Lever (1), remove the core of the depleted Master Roll (2).

NOTE

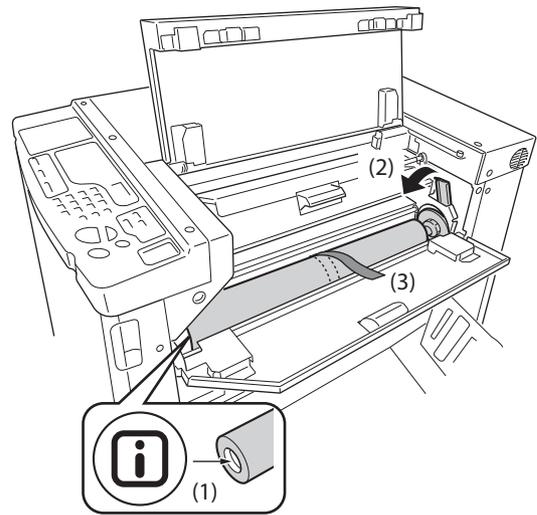
Dispose the depleted Master Core according to the disposal procedure of your local community.
☞ p.113 "Collection and Disposal of Depleted Consumables"



4 Install a new Master Roll.

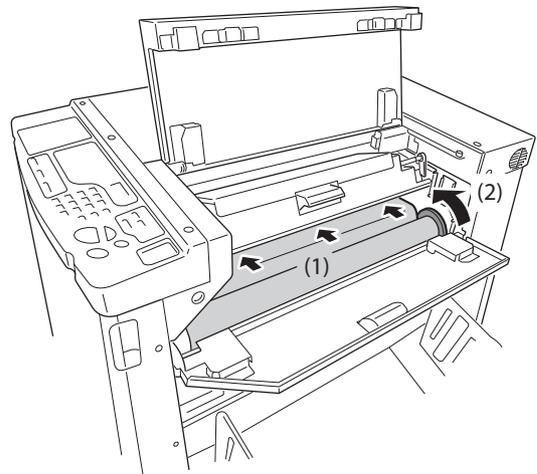
Take a new master out from the package and place the roll so that the **i** mark on the Master Core comes to the left (1).

While reclining the Master Roll Lock Lever, set the master (2), and then remove the wrapper (3).



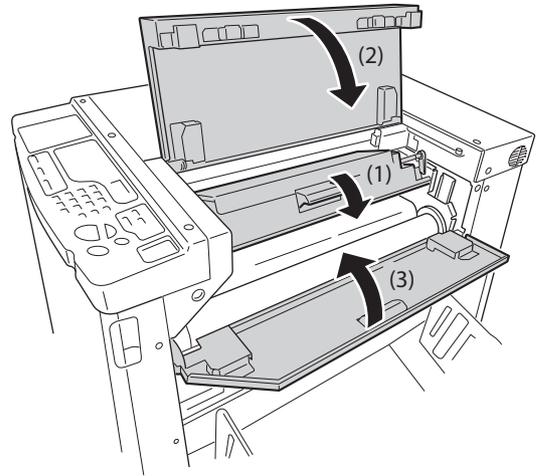
5 Insert the leading edge of the Master Roll into its entrance under the Master Guide Flap.

Insert the leading edge of the Master until it stops (1).
If the master is loose, turn the flange at the right inward to rewind (2).



6 Return the units to the original positions.

Close the Master-Making Unit Cover (1), and then close the Master Cover (2) (3).



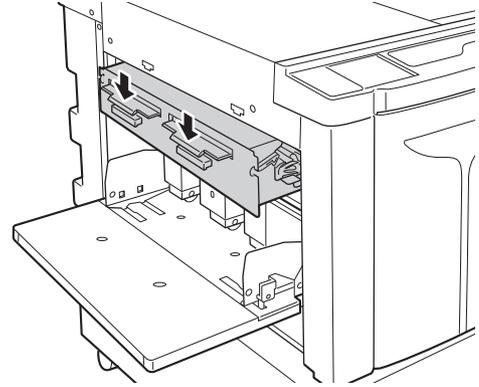
6.3 Emptying the Master Disposal Box

Ejected Masters are sent to the Master Disposable Box.

When the capacity of the Master Disposable Box becomes full, the Empty Disposal Box indicator lights. Dispose the ejected Masters.

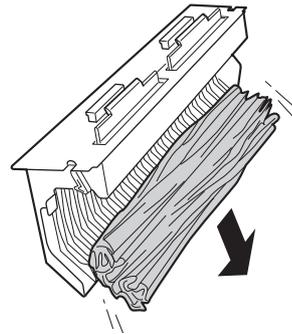
1 Pull out the Master Disposal Box.

Grasp the Master Disposal Box Handle (2 locations) and pull out the box towards the front.



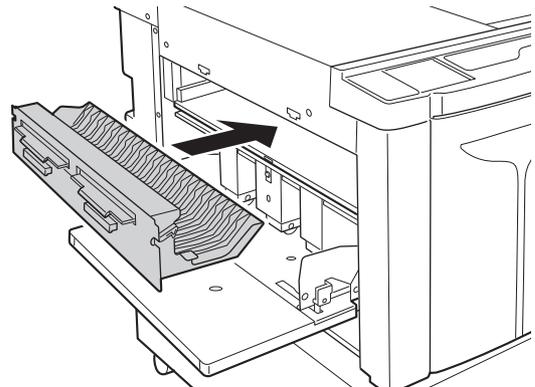
2 Discard the ejected masters.

Tilt the Master Disposal Box downward and discard the used masters inside the box.



3 Place the Master Disposal Box into position.

Insert the Master Disposal Box as far in as it will go.



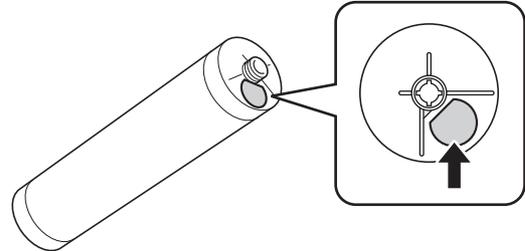
6.4 Collection and Disposal of Depleted Consumables

Dispose the depleted ink cartridge, master core and ejected masters according to the regulations in your local community. If required, separate the specific components using the following procedures to dispose them properly.

Ink Cartridge

Remove the label (metal included) at the arrow from the outlet surface of the ink cartridge, and then dispose them separately. Because ink may have adhered to the outlet surface of the ink cartridge, be careful not to smudge your clothes.

Ink cartridge material: plastic (polypropylene, polyethylene)
Label material: plastic (metal included)

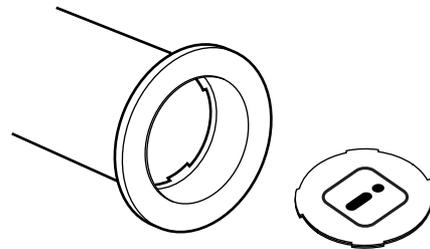


Master Core

Core material: paper
Master material: plastic, Japanese paper

Ejected Master

Master material: plastic, Japanese paper
Ink material: soy bean oil, petroleum hydrocarbon, water, pigment



6.5 Removing and Installing the Print Drum (Changing the Color)

When replacing with a color drum to print out in a different color or dealing with paper jams, remove the Print Drum from the machine.

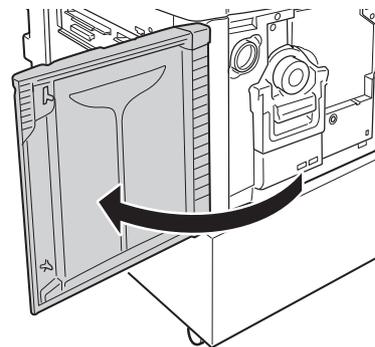
⚠ CAUTION

Do not place and keep the Print Drum in an upright position. Ink may smudge the floor.

IMPORTANT!

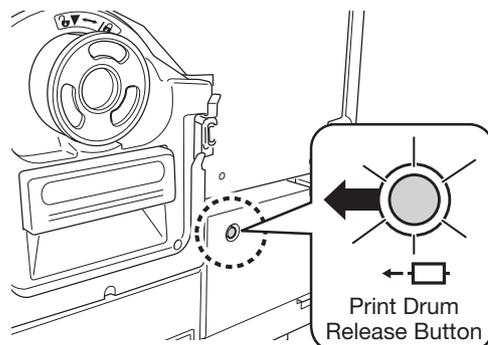
- Make sure to use the drum dedicated to the machine as recommended by Riso.
- Keep the power ON while removing or replacing the Print Drum.
- Make sure to place the replaced Print Drum in the drum case and keep it horizontal.

1 Open the Front Cover.



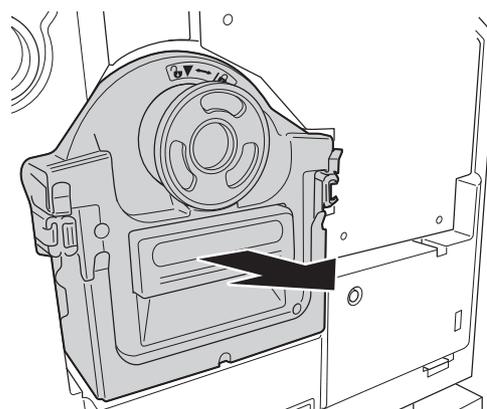
2 Check that the indicator of the Print Drum Release Button is on.

If the indicator is off, press the Print Drum Release Button to turn on the indicator.



3 Pull out the Print Drum.

Grasp the Print Drum Handle and pull out the Print Drum slowly until it stops

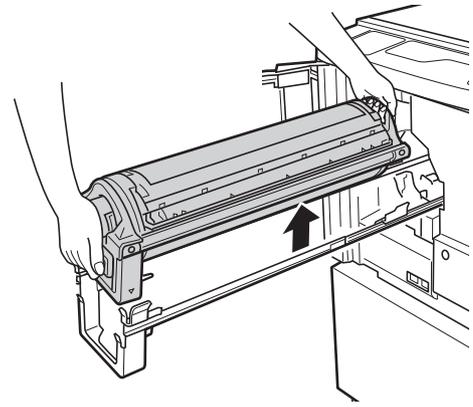
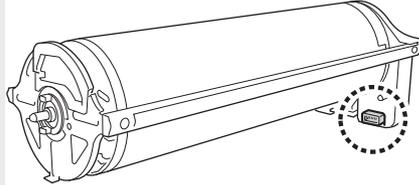


4 Remove the Print Drum.

Lift the Print Drum with both hands to remove it from the rail.

IMPORTANT!

Do not touch the connector on the Print Drum. Otherwise it may result in malfunctioning of the Print Drum because of static electricity or other factors.

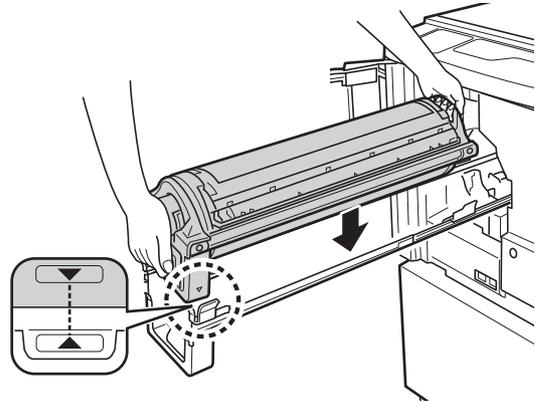
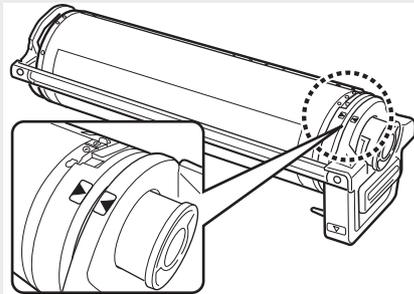


5 Install the Print Drum.

Align the ▼ mark on the Print Drum with the ▲ mark on the rail, and then position the Print Drum horizontal relative to the rail.

NOTE

If you manually rotate the Print Drum, make sure to rotate it so that the ► and ◀ marks meet as shown below after the installation.



6 Return the Print Drum to the original position.

Push the Print Drum into position slowly until it stops, and then close the Front Cover.

IMPORTANT!

Do not place the Print Drum into position while grasping the Print Drum Handle.

7

Cleaning



7 Cleaning

7.1 Safety Guide - Cleaning

This section describes the precautions to be observed when cleaning this printer machine. Read this section before cleaning the machine.

⚠ WARNING

- Before cleaning any part of this machine, turn off the power.
- Do not remove any fixed covers.
- Contact your dealer (or authorized service representative) immediately if you suspect any dangerous situations or have questions or problems with the machine.
- Contact your dealer (or authorized service representative) before moving the machine.
- Do not carry out any work other than those stated in this guide (such as adjustments and repairs). Do not allow unauthorized persons to make adjustments or repairs.

⚠ CAUTION

- The machine has precision moving parts inside. Do not handle the machine in any other way than described in this guide.
- Be careful of the edge of metal parts, otherwise it may cause an injury.
- Do not make any modifications to the machine or remove any parts.
- Neither RISO nor its dealers are responsible for maintenance service performed by non-RISO-authorized personnel.

7.2 Cleaning

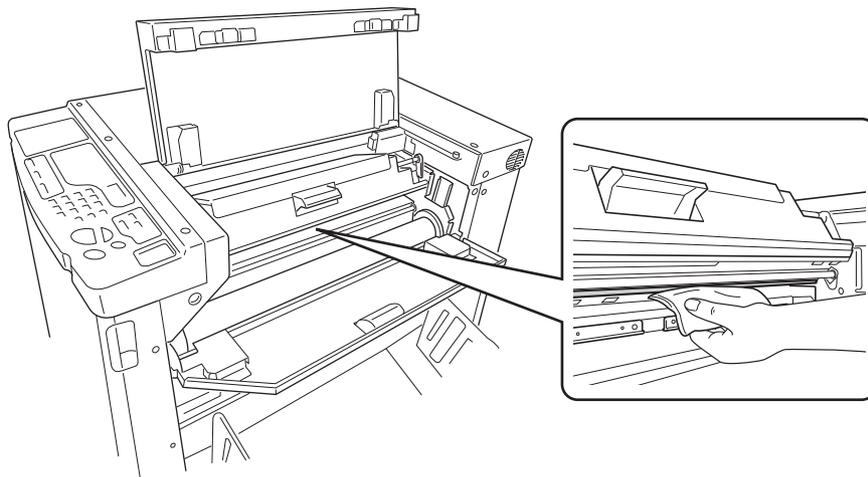
Thermal Print Head

IMPORTANT!

- Since the Thermal Print Head is very delicate, avoid shocks or scratches with hard objects.
- Since Thermal Print Head is susceptible to (damage by) static electricity, be sure to remove static electricity charged on your body before cleaning.

Clean the Thermal Print Head each time you replace the Master Roll.

Open the Master-Making Unit Cover, and then gently wipe the Thermal Print Head at the back of the machine several times, using a soft cloth.



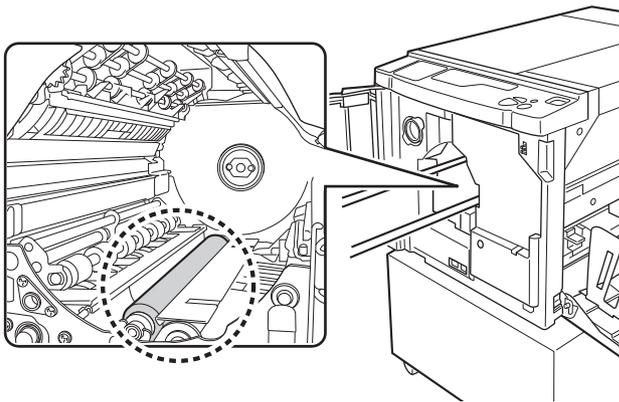
Pressure Roller

⚠ CAUTION

When you put your hand into the machine to carry out maintenance work, for example to remove paper, be careful with hooks and metal edges inside the machine to avoid injuries.

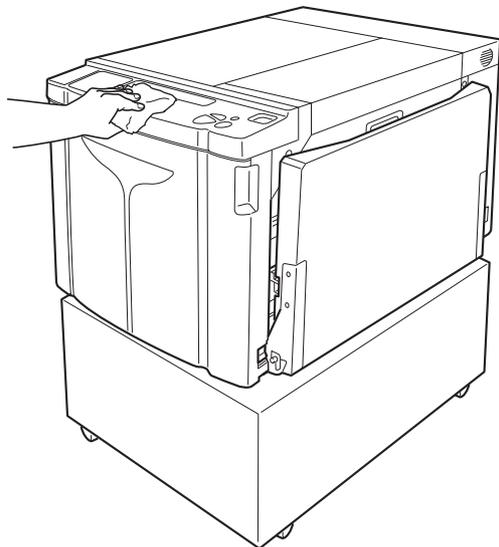
If the Pressure Roller, which presses printing paper against the Print Drum, is stained, smudged strips may appear on the back of copies.

If this happens, gently wipe the Pressure Roller with a soft cloth. See p.114 "Removing and Installing the Print Drum (Changing the Color)" for how to remove the Print Drum.



Machine Exterior

In order to protect the machine from dirt, wipe the machine exterior periodically with a soft cloth using mild detergent. The color might run, but this does not affect the performance of the machine.



8

Troubleshooting



8 Troubleshooting

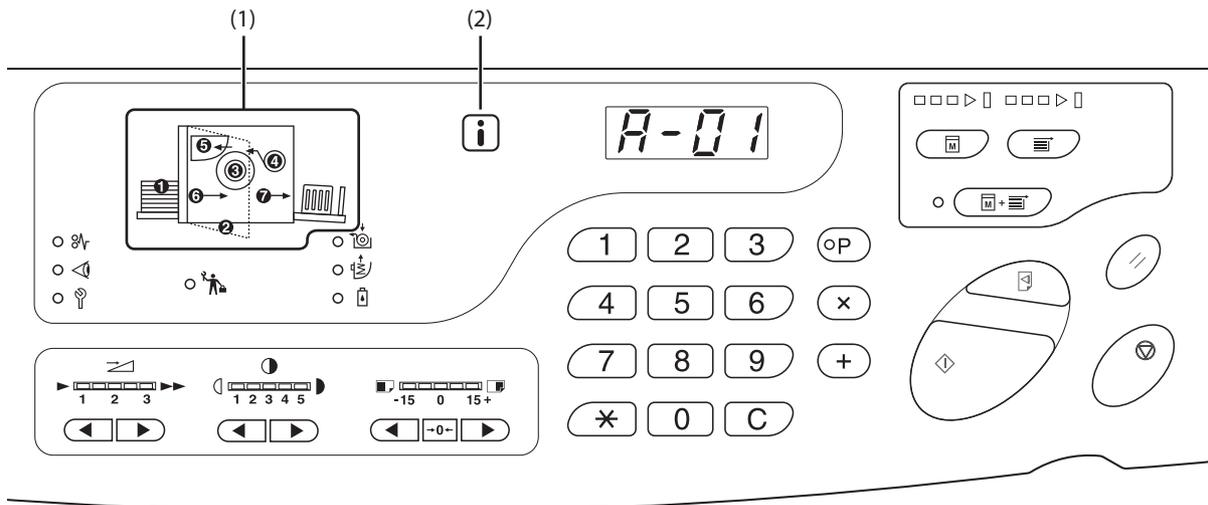
8.1 Check & Error Display

When an error occurs on this printer machine or when consumables or other sections are not yet ready, the Check & Error display shows error locations and numbers indicating error types. For some errors, error numbers are shown on the Error Number Display (Print Quantity Display).

Checking with the Check & Error Display

Besides indicators that show error types, numbers that show error locations light.

Check the display, and then take an appropriate procedure according to the methods described on the subsequent pages.



(1) Error Location Indicator

Numbers corresponding to Error Locations light.

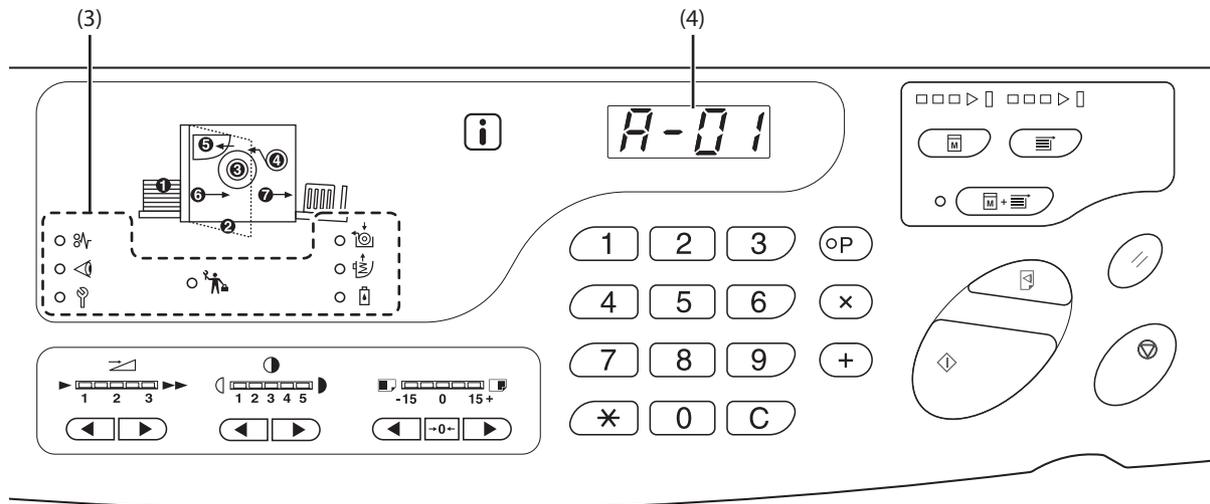
(2) Indicator

This machine acquires "matching information" from the consumables to control print functions.

Indicator is ON: Matching information is acquired and print functions are controlled correctly.

Indicator is OFF: Matching information is not acquired.

Matching information needs to be entered. [p.131](#) "When the  indicator is off and "H" is shown on the Print Quantity Display"



(3) Error Type Indicator

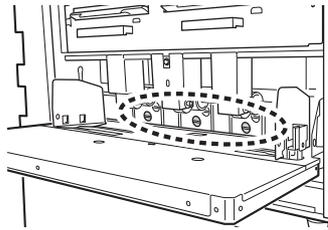
-  **(Jam) Indicator**
Lights up when printing paper is jammed.
-  **(Check Settings) Indicator**
Lights when the Print Drum, paper, or other items are not set up.
-  **(Call Service) Indicator**
Lights when such an error occurs that needs advice or support from service personnel.
-  **(Maintenance Call) Indicator**
Lights when the time for periodic inspection comes.
-  **(Replace Master Roll) Indicator**
Lights when the entire master is consumed.
-  **(Empty Disposal Box) Indicator**
Lights when the time for periodic inspection comes.
-  **(Ink Replacement Cartridge) Indicator**
Lights when the entire ink is consumed.

(4) Error Number Display (Print Quantity Display)

Error Numbers are shown and blink on the Print Quantity Display.
Error contents are shown with an alphabetical character and a two-digit number.

⚠ When the (Jam) indicator blinks

Check error locations and error numbers (Error Number Display) and take the following procedures:

Location No.	Error Number	Cause	Action
①	A-06	An obstacle exists under the Paper Feed Tray or on the paper.	Check if any obstacle exists under the Paper Feed Tray or on the paper. If an obstacle exists, remove it.
		The Stripper Unit has been disconnected.	Set the Stripper Unit correctly. 
③	A-02	A master has not been correctly wrapped around the Print Drum.	<ol style="list-style-type: none"> 1) Pull out the Print Drum slowly, and then remove the master on the Print Drum. p.114 2) Set the Print Drum into the machine. 3) Open the Master-Making Unit Cover and set the master again. 4) Close the Master-Making Unit Cover. 5) Perform the master-making operation again. Contact your dealer (or authorised service representative) if the error is not cleared.
	A-04	A master has not been sent to the Master Disposal Box.	<ol style="list-style-type: none"> 1) Pull out the Print Drum slowly, and then remove the master on the Print Drum. p.114 2) Set the Print Drum again. 3) Press the <Start> key.
	J-12	A paper jam has occurred around the Print Drum	<ol style="list-style-type: none"> 1) Pull out the Print Drum slowly. p.114 2) If you find jammed paper, remove it. <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>⚠ CAUTION</p> <p>When you put your hand into the machine to carry out maintenance work, for example to remove paper, be careful with hooks and metal edges inside the machine to avoid injuries.</p> </div>
	A-16	An unnecessary master remains on the Print Drum.	<ol style="list-style-type: none"> 1) Pull out the Print Drum and remove the master on the Print Drum. p.114 2) Set the Print Drum into the machine. 3) Perform the master-making operation again.
④	A-01 A-34	A master has not been correctly set.	Open the Master-Making Unit Cover, remove the Master Roll, and then set the master correctly. If the master is loose, turn the right flange inward to correct it, and then close the Master-Making Unit Cover. p.109
	A-17	A master has not been correctly cut.	<ol style="list-style-type: none"> 1) Remove the Master Roll and close the Master-Making Unit Cover. 2) Set the master again. p.109

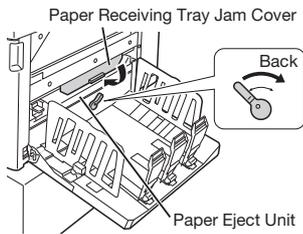
Location No.	Error Number	Cause	Action
5	A-05	A master jam has occurred in the master disposal section.	Remove the Master Disposal Box and remove the jammed master. ☞p.112
	A-12	The ejected master has not been correctly disposed in the master disposal section.	Discard all masters in the Master Disposal Box. ☞p.112
6	J-08	A paper jam has occurred on the Paper Feed Tray section.	<ol style="list-style-type: none"> 1) Push the Feed Tray Ascent/Descent Button to lower the Paper Feed Tray and remove the jammed paper. 2) Set the paper again. 3) If the error indicator does not disappear, press the <Reset> key.
7	J-02	A paper jam has occurred on the Paper Receiving Tray section.	Remove the jammed paper on the Paper Receiving Tray section. If you want to adjust the horizontal position, check the position of the Receiving Tray Paper Guides. If the error indicator does not disappear, press the <Reset> key.

◀ When the (Check Setting) indicator blinks

Check error locations and error numbers (Error Number Display) and take the following procedures:

If an error number is not shown, press the <✖> key.

Location No.	Error Number	Cause	Action
①	c-04	The tray has run out of paper.	Place paper on the Paper Feed Tray.
	②	d-11	The Front Cover is open or has not been completely closed.
d-18		The Print Drum is not set correctly and can be pulled out.	Set the Print Drum correctly and close the Front Cover completely.
③	d-01	The Print Drum has not been set or has not been correctly set.	Set the Print Drum correctly. ☞p.114
	d-02	An inappropriate Print Drum has been set.	Set an appropriate Print Drum. IMPORTANT! Use a Print Drum specific to the machine. Using another Drum can result in malfunction or other trouble.
	d-03	The ink cartridge has not been set or has not been correctly set.	Set the ink cartridge correctly. ☞p.106
	d-04	An inappropriate ink cartridge has been set.	Set a cartridge specific to the machine. IMPORTANT! Use a cartridge specific to the machine. Using other ink cartridges can result in malfunction or other trouble.
		The label on the ink cartridge outlet surface has come off or is dirty.	The label on the ink cartridge outlet surface contains information needed for printing. If the machine cannot read the information, it does not operate. Set an ink cartridge that is specific to the machine and that is with label attachment and free from dirt.
	d-22	Set the Print Drum.	Pull out the Print Drum and set it correctly.
	F-01	A master has not been wrapped around the Print Drum.	Send the original data and start with the master-making process. If you leave the machine without a master wrapped around the Print Drum, malfunction may occur. Press the <Reset> key, and then press the <Confidential> key. Or perform the master-making operation to wrap a master around the drum.

Location No.	Error Number	Cause	Action	
4	d-05	The Master Roll has not been set or has not been correctly set.	Set the Master Roll correctly and close the Master-Making Unit Cover completely. ☞p.109 If a rewound master has been wrinkled or has worn off, cut the edge of the master straight and then set the master again.	
	d-08	The Master Cover has not been closed.	Close the Master Cover completely. ☞p.109	
	d-09	The Master-Making Unit Cover has not been closed.	Open the Master Cover and close the Master-Making Unit Cover completely. ☞p.109	
	d-17	An inappropriate master roll has been set.	Set a master roll specific to the machine. ☞p.109	<div style="border: 1px solid black; padding: 5px; background-color: #f0f0f0;"> <p>IMPORTANT!</p> <p>Set a Master Roll specific to the machine. Using other Master Rolls can result in malfunction or other trouble.</p> </div>
		The ⓘ section on the Master Core is missing, or it has worn off, or it has been tilted.	The ⓘ section on the Master Core contains information needed for making masters. If the machine cannot read the information, it does not operate. Set a dedicated Master Roll that has the ⓘ mark and is free from wear and tilt.	
	F-36	The edge of the image (printing side) is missing.	<ol style="list-style-type: none"> 1) Press the <Reset> key to release the error. 2) Check whether the edge of the image is missing. 3) To continue printing, press the <Start> key. 4) To cancel printing, press the <Clear Job> key. 	
	F-50	It is overheating.	Press the <Reset> key to release the error. Wait until the temperature of the Thermal Print Head lowers.	
5	d-07	The Master Disposal Box has not been set or has not been correctly set.	Set the Master Disposal Box correctly. ☞p.112	
7	d-14	The Paper Eject Unit has not been correctly set.	<ol style="list-style-type: none"> 1) Return the Paper Eject Unit to the original position. 2) Return the Paper Receiving Tray Jam Cover to the original position. 	
No display	b-31	The network cable is not connected.	<ol style="list-style-type: none"> 1) Press the <Reset> key, 2) Check that the cable is correctly connected. 	
	b-32	RISO Network Card (optional) has a communication error.	Press the <Reset> key to release the error.	
	b-33	An IP Address has not been set for the machine.	Using the custom setting mode, set the IP address for the machine.	

 **When (Replace Master Roll) indicator lights**

Because the entire Master Roll has been consumed, set a new Master Roll.

☞ p.109 "Replacing the Master Roll"

 **When (Empty Disposal Box) indicator lights**

Because the Master Disposal Box is full, remove the box and discard the ejected masters.

☞ p.112 "Emptying the Master Disposal Box"

 **When (Ink Replacement Cartridge) indicator lights**

Because the entire ink cartridge has been consumed, replace it with a new ink cartridge.

☞ p.106 "Replacing the Ink Cartridge"

 **When (Call Service) indicator lights**

Check error numbers shown on the Error Number Display and contact your dealer (or authorised service representative).

 **When (Maintenance Call) indicator lights**

Contact your dealer (or authorised service representative) and have a periodic inspection.

When the indicator is off and "H" is shown on the Print Quantity Display

In order to assure optimum printing, the machine acquires information from the consumables (matching information).

If the matching information has not been acquired appropriately, "H" is shown on the Print Quantity Display. Enter an appropriate parameter. The top two digits show the "H" numbers and the bottom two digits show the parameters that have been entered.

Entering an inappropriate parameter does not affect usual operations but may result in bad print quality.

The table shows the "H" numbers to be shown on the Print Quantity Display and the selectable parameters.

Location No.	H No.	Description	Parameter
③	H1	Ink color setting Select the same color as the currently used for Print Drum.	1: black 2: color
	H2	Print density fine adjustment (ink) Perform fine adjustment to optimize the print density depending on the ink.	1 (light) - 5 (dark)
	H3	Proof copy density adjustment (ink) Perform fine adjustment to optimize the print density depending on the ink. This can be adjusted independently from H2.	1 (light) - 5 (dark)
④	H4	Master-making density setting Set the reference density for the master-making process.	1 (light) - 10 (dark)
	H5	Print density fine adjustment:(master) Perform fine adjustment to optimize the print density depending on the master.	1 (light) - 5 (dark)
	H6	Proof copy density adjustment (master) Perform fine adjustment to optimize the print density depending on the ink. This can be adjusted independently from H5.	1 (light) - 5 (dark)

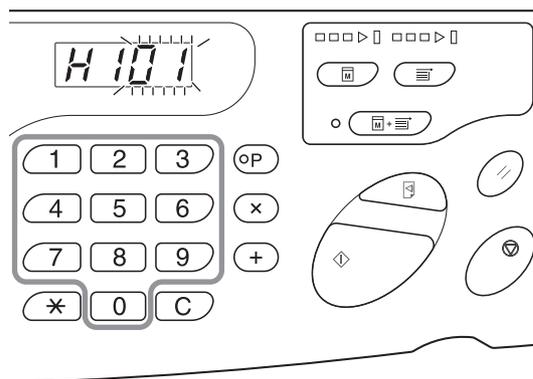
NOTE

- After the power switch is turned off and on, the H information disappears, so you need to enter H No. again.
- If you are not sure of the best setting for the consumables used in the machine, we may suggest you start from 1(default setting) except for H1 indication. Adjust if necessary based on the result of the print.

The top two digits on the Print Quantity Display show the "H" numbers and the bottom two digits show the parameters. Enter the necessary information in the following procedures.

1 Enter a parameter using the Print Quantity keys.

The parameters that can be entered differ depending on the consumables.

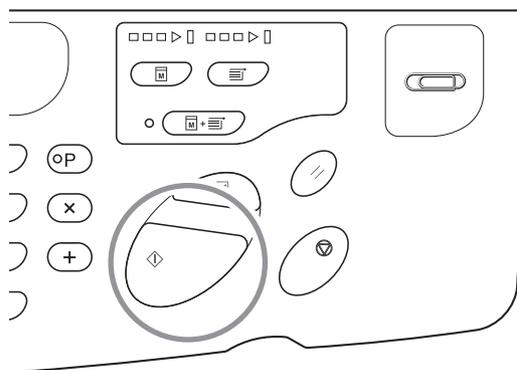


2 Press the <Start> key to complete the setting.

If the next H No. appears, repeat steps 1 and 2.

NOTE

When necessary entry is completed, the Print Quantity Display restores the normal status and is available for usual operations.



When the **i** indicator is off and the Error Type indicator lights

When an Error Type indicator lights, please refer to the following pages.

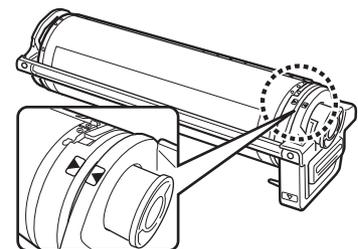
Error Type	Error Number	Reference page
 Check Settings	d-04	p.128
	d-17	p.129
	If an Error No. "d-xx" other than above is displayed, please refer to the reference pages.	p.128~p.129
 Replace Master Roll	-	p.109
 Replace Ink Cartridge	-	p.106

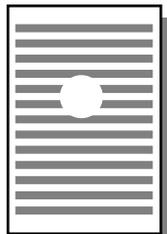
8.2 Troubleshooting Tips

If any problems occur during printing, check the following items and take appropriate procedures before calling your dealer (or authorised service representative).

Actions on the Machine

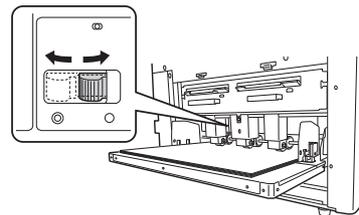
Status	Possible cause	Action
The machine does not start when the power switch is pressed.	▶ The power may not be coming through to the machine.	▶ Check if the power cable firmly connect to the machine with the power point. Check if the commercial power circuit breaker is ON.
◀ (Check Setting) indicator does not go off even when the Front Cover is closed.	▶ The Front Cover may not be completely closed.	▶ Firmly close the Front Cover so that the magnet under the Front Cover sticks.
The Paper Feed Tray cannot be closed.	▶ The Feed Paper Tray Guides may not be widened up to the limit.	▶ Turn on the power and lower the Paper Feed Tray to the bottom. Widen the Feed Tray Paper Guides up to the limit, and then close the Paper Feed Tray. ☞ p.27
	▶ The power may be turned off before the Paper Feed Tray was lowered to the bottom.	
The Print Drum cannot be placed into position.	▶ The Print Drum may not be rotated to the appropriate position.	▶ After manually rotating the drum, make sure that the drum is rotated back so that the ▶ mark and ◀ mark meet as shown below.
	▶ The Print Drum may not be set to the rail correctly.	
Printing does not start after the master-making is complete.	▶ [Auto-process] on the machine may be [OFF].	▶ Press the <Start> key to start the machine.



Status	Possible cause	Action
<p>An error indication does not disappear even though consumables (ink, master roll) are set.</p>	<p>▶ The consumables (ink, master roll) may not be correctly set.</p>	<p>▶ After inserting the ink cartridge, turn it clockwise (🔒) to lock. Or set the ink cartridge again. 🔗 p.106</p>
		<p>▶ Set a Master Core so that the ⓘ mark comes to the left, and then set the Master-Making Unit. 🔗 p.110</p>
	<p>▶ The ink cartridge may not contain ink information.</p>	<p>▶ Do not remove the label attached on the ink cartridge outlet section. If you have removed the label, set a new ink cartridge. 🔗 p.107</p>
<p>A portion on copies is missing.</p>	<p>▶ A foreign object may exist on the master.</p>	<p>▶ Pull out the Print Drum, and if a foreign object exists on the master, remove it. If a foreign object exists between the master and the drum, remove the master to remove the foreign object. Then set the drum and perform the master-making operation again. 🔗 p.114</p>
		
	<p>▶ The size of the paper placed on the Paper Feed Tray may not be same as the size of the original at the time of the master-making process.</p>	<p>▶ Set the paper that is the same size as the original on the Paper Feed Tray, and then perform the master-making operation.</p>
	<p>▶ The data size of the original data may exceed the print area.</p>	<p>▶ The maximum original data for master-making is 596 mm x 425 mm. Images outside of this print area will not be included in the master-making. Check the print area. 🔗 p.16</p>
<p>Vertical blank lines are found on printed copies</p>	<p>▶ The Thermal Print Head may be dirty.</p>	<p>▶ Wipe the Thermal Print Head lightly with a soft cloth. 🔗 p.119</p>
		
<p>The edges of printed copies are smudged with ink.</p>	<p>▶ When printing on a thick printing paper, the corner of the paper may touch and damage the master.</p>	<p>▶ Perform the master-making process again. Or pull out the drum, and then attach tape on the damaged section of the master. When a tape is attached to the master, the master may not be sent to the Master Disposal Box properly.</p>

Status	Possible cause	Action
<p>The back of the printed paper is smudged with ink.</p> 	<p>▶ The Pressure Roller may be stained with ink.</p>	<p>▶ Remove the Print Drum and wipe the Pressure Roller with a soft cloth. ☞ p.120</p> <p>If the print position is outside the printing paper, this may cause the Pressure Roller to be stained with ink. Adjust the print position according to [Print Position adjustment] so that it is inside the printing paper.</p> <p>Use the paper that is the same size or a larger size than the original.</p>
	<p>▶ The paper may not be absorbing the ink efficiently.</p>	<p>▶ The next printing paper is ejected before the ink is dry to cause the smudge. Change the printing paper.</p>
<p>Print images are faint. Printed texts are blurred.</p> 	<p>▶ The machine has not been used for an extended period of time.</p>	<p>▶ If the machine has not been used for a long time, ink on the surface of the Print Drum may become dry. This results in faint or blurred printing. Press the <Proof> key and make several copies before making copies to be actually used. Or use the [Idling] function. ☞ p.70</p>
	<p>▶ The temperature is low (below 15°C) in the place where the machine is installed or Ink Cartridges are stored.</p>	<p>▶ Use the machine after keeping it at room temperature for a while.</p>
<p>The left and right print positions have been shifted.</p>	<p>▶ The printing paper may not be aligned to the center of the Paper Feed Tray.</p>	<p>▶ Lower the Print Feed Tray to adjust the position, and then perform proof copy to check the position. ☞ p.26</p>
<p>Paper sticks to the surface of the Print Drum. (The  indicator is shown frequently.)</p>	<p>▶ The margin at the top of the original or the print may not be sufficient.</p>	<p>▶ The margin of the original (top of the print in the paper output direction) must be 5 mm at least. Lower the vertical print position. If this adjustment is not possible, reproduce an original with enough margin, and then perform the master-making operation again. ☞ p.17</p>
	<p>▶ The printing paper may not be appropriate.</p>	<p>▶ Use the recommended paper. ☞ p.14</p>
	<p>▶ Paper ejection may not be adjusted appropriately.</p>	<p>▶ Press the <Paper ejection adjustment> to select the appropriate setting to suit the paper.</p>
<p>Printed copies comes out curled up.</p>	<p>▶ The printing paper may not loaded in the correct direction.</p>	<p>▶ Load the printing paper with a vertical grain (flow of the paper fibre) against the output direction of the paper. ☞ p.14</p>

Status	Possible cause	Action
<p>Printed copies are not neatly aligned in the Paper Receiving Tray. (The  indicator is shown frequently.)</p>	<p>▶ The positions of the Receiving Tray Paper Guides and the Paper Stopper may not be appropriate.</p>	<p>▶ Adjust the Receiving Tray Paper Guides and the Paper Stopper to the size of the paper. Adjust it to be slightly wider for thick paper. If you have adjusted the horizontal position on the Paper Feed Tray, shift the Receiving Tray Paper Guides in the same direction. ↗ p.28</p>
	<p>▶ The position of the Paper Receiving Wings may not be appropriate.</p>	<p>▶ Adjust the Paper Receiving Wings to the size and thickness of the paper. ↗ p.29</p>
<p>Paper is not smoothly fed from the Paper Feed Tray. (Skipped paper, or multiple-sheet feeding)</p>	<p>▶ The printing paper may not be appropriate.</p>	<p>▶ Use the recommended paper. ↗ p.14</p>
	<p>▶ The position of the Paper Feed Pressure Adjustment Lever may not be appropriate.</p>	<p>▶ Normally, set the Paper Feed Pressure Adjustment Lever to the left (⊙). When using paper that may easily be skipped, set the Paper Feed Pressure Adjustment Lever to the right (○).</p>



Status	Possible cause	Action
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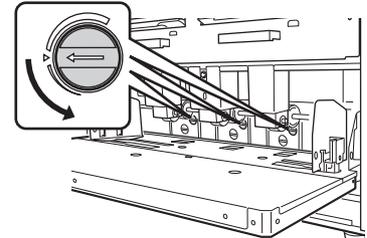
Paper is not smoothly fed from the Paper Feed Tray. (Skipped paper, or multiple-sheetfeeding)

▶ The angle of the Stripper Plate may not be appropriate. ▶

Turn the Stripper Plate Angle Adjustment Dial to adjust the angle of the Stripper Plate.

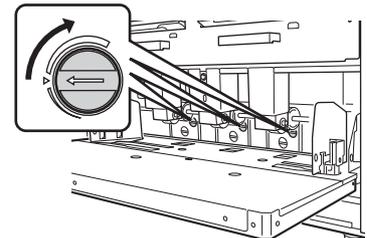
When paper dust tends to be produced, or the feeding skips

Turn the dial to the left.



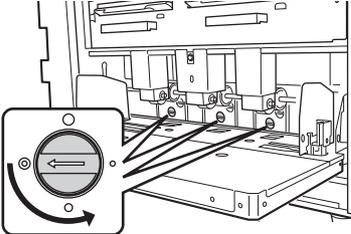
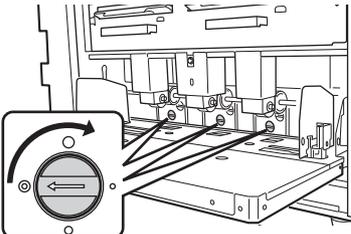
When multiple sheets are fed

Turn the dial to the right.



IMPORTANT!

Before making the adjustment, make sure to remove all paper from the Paper Feed Tray and the tray has lowered to the bottom.

Status	Possible cause	Action
Paper is not smoothly fed from the Paper Feed Tray. (Skipped paper, or multiple-sheetfeeding)	▶ The Stripper pressure may not be adjusted appropriately.	<p>▶ When paper dust tends to be produced, or the feeding skips Turn the dial to the left and align the arrow with the "○" mark. If the paper feeding still skips, turn the dial to the left and align the arrow with the "◦" mark.</p>  <p>▶ When multiple sheets are fed Turn the dial to the right and align the arrow with the "○" mark.</p> 

IMPORTANT!

Before making the adjustment, make sure to remove all paper from the Paper Feed Tray and the tray has lowered to the bottom.

The leading edge of the printed copies is wrinkled.	▶ The angle of the Stripper Plate may not be appropriate.	▶ Turn the Stripper Plate Angle Adjustment Dial to adjust the angle of the Stripper Plate.
The  indicator lights even when a paper jam has not occurred.	▶ Lifted paper may have been ejected at the time of the second rotation of the Print Drum.	▶ Check the printed copies, and if the top margin is less than 5 mm, slightly lower the print position.
	▶ The machine may in the sunlight.	▶ When the machine is in sunlight, the sensor may not function correctly. Use curtains, for example, to keep out the sunlight, or move the machine to a place free from direct sunlight.
The <Start> key blinks.	▶ Received data is waiting for output.	▶ Press the <Start> key to output the data. Press the <Clear job> key to delete the received data.

Actions using the Printer Driver

◆The machine does not print

Status	Possible cause	Action
The <Delete Job> indicator lights but it does not carry out master-making.	<ul style="list-style-type: none"> ▶ The data output from the computer may not have finished. ▶ The print job may not have finished in the application software. 	<ul style="list-style-type: none"> ▶ • Double click RISO A2 Series in the [Device and Printers] folder to check if the data output has finished. ▶ • Until the data output from the computer has finished, leave the screen saver turned off.
	<ul style="list-style-type: none"> ▶ The print job has been cancelled before completion in the application software on the computer. 	<ul style="list-style-type: none"> ▶ Turn off the power switch on the machine. After approximately 10 seconds, turn on the printer again.
	<ul style="list-style-type: none"> ▶ The printer cable may be disconnected. 	<ul style="list-style-type: none"> ▶ Cancel the output from the computer. Turn off the power switch on the machine. Connect the printer cable firmly, and then turn on the power switch again.
	<ul style="list-style-type: none"> ▶ The machine settings in the application software (such as paper size, print direction, and Printer Driver selection) may not match those in the Printer Driver. 	<ul style="list-style-type: none"> ▶ Match the machine setting in the application software with the setting in the Printer Driver. ☞ p.56
The machine repeats the master-making process for each copy of the same page.	<ul style="list-style-type: none"> ▶ The [Collate Copies] check box is selected in the [Print] dialog box in the application software. 	<ul style="list-style-type: none"> ▶ • Uncheck [Collate Copies] from the [Print] dialog box. ▶ • Cancel the output from the computer. Turn off the power switch on the machine. After approximately 10 seconds, turn it on again.
Master-making does not start even when the data is transmitted from the computer.	<ul style="list-style-type: none"> ▶ [Auto switch to master-making] setting on the machine may be turned off. 	<ul style="list-style-type: none"> ▶ Press the <Start> key to start the print process.
	<ul style="list-style-type: none"> ▶ The Printer Driver may not be set to the printer in use. 	<ul style="list-style-type: none"> ▶ Set the Printer Driver for the machine in use, and then start printing again. ☞ p.56
	<ul style="list-style-type: none"> ▶ Open the RISO Printer Driver in the [Device and Printers] folder. The data may be in [Print Queue] or [Printing]. 	<ul style="list-style-type: none"> ▶ Wait until the data output from the computer is complete. Processing may take longer depending on the performance of the computer (such as CPU, computer memory, etc.).

◆ Unexpected Print Result

Status	Possible cause	Action
The page image is not centered or is clipped at an edge.	▶ The paper size setting in the application software is not identical with that in the Printer Driver.	▶ <ul style="list-style-type: none"> • Make the paper size setting identical. ☞ p.57 • Set the paper according to the paper size and paper direction setting. ☞ p.14
	▶ Margins specified in the application software may be insufficient.	▶ This machine adds the margin inside the output size according to [Output Size] specified in the Printer Driver, and then carries out master-making. Make adjustment so that the page image is not in the margin.
Some fonts are not printed correctly.	▶ The [Use Printer Font] option may be selected in the application software.	▶ Do not select the [Use Printer Font] option in the application software.
Graphics are not printed correctly.	▶ The Printer Driver may not be set to the machine.	▶ If documents are edited with another Printer Driver selected, graphics may not be printed properly. Select an appropriate Printer Driver, and then edit the document again.
Images are printed corrupted or reduced in size.	▶ The Printer Driver may not be selected for the machine	▶ When the name of the machine is different from the model name of the Printer Driver, the data cannot be printed correctly.
Paper has been registered from the [Custom paper entry] dialog box, but it does not appear in the [Custom-sized Paper] list.	▶ [Add] on [Custom paper entry] may not be clicked after entering the paper size.	▶ Click [Add] on [Custom paper entry] dialog box after registering the paper size. ☞ p.47
	▶ Another paper size may be registered in the same name already.	▶ Use a different name to register the size.
The paper size does not change to the value entered in [Original Size: Custom].	▶ Free size cannot be selected in the paper size setting in the application software.	▶ If you cannot select free size in the [Paper Size] option in the application software, you cannot use the [Original Size: Custom] option.

Status	Possible cause	Action
Values cannot be entered in [Custom] in [Original Size].	▶ The value may exceed the setting range.	▶ The paper size that can be entered is width from 10 to 602 mm and length from 10 to 602 mm. Enter the values within this range.
	▶ Two-byte characters may have been used.	▶ Enable one-byte characters, and then enter the values in one-byte characters.
A long name cannot be entered in the [Custom paper entry] dialog box.	▶ The number of characters entered may have exceeded the valid range of the length.	▶ Valid range of the length is 30 characters.
[Width] and [Length] cannot be entered in the [Custom paper entry] dialog box.	▶ The value may have exceeded the setting range.	▶ Enter the values within this range.
	▶ Two-byte characters may be used.	▶ Enable one-byte characters, and then enter the values in one-byte characters.

◆Other

Status	Possible cause	Action
Settings such as the paper size cannot be changed in the Printer Driver property.	▶ The configuration items may be shaded.	▶ Only the users with full control access for machine settings can change the settings.
Some items in the Printer Driver settings cannot be changed.	▶ The configuration items may be shaded.	▶ Changeable functions may be restricted depending on the combination of items.
Paper sticks to the surface of the Print Drum. (The  indicator is shown frequently.)	▶ There is a large solid area at the top of the original.	▶ Large solid area at the top of the original may make the paper ejection difficult. Turn the original data 180-degrees, and then carry out the master-making again.

A

Appendixes



A Appendixes

A.1 Manually Installing the Printer Driver

The procedure to install the Printer Driver without using the installer is described here.

IMPORTANT!

- To install the Printer Driver, you are required to log on to Windows by the account with the authority to change the system setting (such as Administrator).
- Server OS and printer sharing are not supported.

For a USB Cable Connection

◆ For Windows XP

- 1 Turn on the power of the machine, and then connect the USB cable to the machine.
- 2 Start the computer, and then insert the "RISO Printer Driver" CD-ROM to the computer's CD-ROM drive.
- 3 Connect the USB cable to the computer.
- 4 Install the Printer Driver according to the instructions on the [Found New Hardware Wizard] window.
 - (1) Select [Install from a list or specified location], and [Don't search. I will choose the driver to install.], and then click [Next].
 - (2) Click [Have Disk], and then select the inf file of the driver to install.
(CD-ROM): [Windows 32-bit]-[Driver]-[WinXP]-[English]-RISODRV.INF
 - (3) Select [RISO A2 Series], and then click [Next].
 - (4) Complete the Wizard window.
- 5 Restart the computer.
- 6 Open [Control Panel]-[Printers and Fax] in this order, and then open the properties of the printer in which the Printer Driver has been installed.
- 7 Click [Print Processor] of the [Advanced] tab.

- 8 Select [R35X8IP] from the list of print processors, and then click it.
- 9 Select [NT EMF 1.008] from the list of default data types, and then click [OK].
- 10 Print the test page.

◆ For Windows Vista

- 1 Turn on the power of the machine, and then connect the USB cable to the machine.
- 2 Start the computer.
- 3 Connect the USB cable to the computer.
- 4 In the [Found New Hardware] window, select [Locate and install driver software], and then [Don't search online].
- 5 Select [I don't have the disk. Show me other options.], and then [Browse my computer for driver software].
- 6 Insert the [RISO Printer Driver] CD-ROM to the computer's CD-ROM drive.
- 7 In the [Browse] window, select the inf file of the driver to install.
For Windows Vista (32-bit):
(CD-ROM): [Windows 32-bit]-[Driver]-[WinVista_8]-[English]-RISODRV.INF
For Windows Vista (64-bit):
(CD-ROM): [Windows 64-bit]-[Driver]-[WinVista_8]-[English]-RISODRV.INF
- 8 Select [RISO A2 Series], and then click [Next].
- 9 Restart the computer.
- 10 Open [Control Panel]-[Hardware and Sound] in this order, and then open the properties of the printer in which the Printer Driver has been installed.
- 11 Click [Print processor] of the [Advanced] tab.

- 12 Select the following print processor from the list, and then click it.
For Windows Vista (32-bit): [R35V8IP]
For Windows Vista (64-bit): [R35V6IP]

- 13 Select [NT EMF 1.008] from the list of default data types, and then click [OK].

- 14 Print the test page.

◆ For Windows 7

- 1 Turn on the power of the machine, and then connect the USB cable to the machine.
- 2 Start the computer.
- 3 Connect the USB cable to the computer.

IMPORTANT!

Do not proceed to the following steps until [Device driver software was not successfully Installed] appears in the task tray.

- 4 Activate [Device Manager].
Enter "Device Manager" in [Start]-[Search programs and files] box, and then click [Device Manager] from the menu that appears.
- 5 Right-click [Other devices]-[RISO A2 Series], and then click [Update Driver Software] from the menu that appears.
- 6 Click [Browse my computer for driver software].
- 7 Insert the [RISO Printer Driver] CD-ROM to the computer's CD-ROM drive.
- 8 Click [Browse], select the folder shown below and click [OK].
For Windows 7 (32-bit):
(CD-ROM): [Windows 32-bit]-[Driver]-[WinVista_8]-[English]
For Windows 7 (64-bit):
(CD-ROM): [Windows 64-bit]-[Driver]-[WinVista_8]-[English]
- 9 Click [Next].
Installation starts.

- 10 Click [Close] and restart the computer.
- 11 Open [Control Panel]-[Hardware and Sound]-[Devices and Printers] in this order, then right-click on the installed [RISO A2 Series], and then click [Printer properties] from the menu that appears.
- 12 Click [Print processor] of the [Advanced] tab.
- 13 Select the following print processor from the list, and then click it.
For Windows 7 (32-bit): [R35V8IP]
For Windows 7 (64-bit): [R35V6IP]
- 14 Select [NT EMF 1.008] from the list of default data types, and then click [OK].
- 15 Print a test page from the [General] tab.
- 16 Click [Close] to close the window.

◆ For Windows 8/Windows 8.1

- 1 Turn on the power of the machine, and then connect the USB cable to the machine.
- 2 Start the computer.
- 3 Connect the USB cable to the computer.
- 4 Activate [Device Manager].
Open [Control Panel]-[Hardware and Sound]-[Device Manager] in this order.
- 5 Right-click [Other devices]-[RISO A2 Series], and then click [Update Driver Software] from the menu that appears.

NOTE

If the printer name is not shown, click [Actions]-[Scan for hardware changes].

- 6 Click [Browse my computer for driver software].
- 7 Insert the [RISO Printer Driver] CD-ROM to the computer's CD-ROM drive.

- 8 Click [Browse], select the folder shown below and click [OK].
For Windows 8 (32-bit)/Windows 8.1 (32-bit):
(CD-ROM): [Windows 32-bit]-[Driver]-[WinVista_8]-[English]
For Windows 8 (64-bit)/Windows 8.1 (64-bit):
(CD-ROM): [Windows 64-bit]-[Driver]-[WinVista_8]-[English]

- 9 Click [Next].
Installation starts.

- 10 Click [Close], and then restart the computer.

- 11 Right-click [RISO A2 Series], and then click [Printer properties] from the menu that appears.

- 12 Click [Print processor] of the [Advanced] tab.

- 13 Select the following print processor from the list, and then click it.
For Windows 8 (32-bit)/Windows 8.1 (32-bit): [R35V8IP]
For Windows 8 (64-bit)/Windows 8.1 (64-bit): [R35V6IP]

- 14 Select [NT EMF 1.008] from the list of default data types, and then click [OK].

- 15 Print a test page from the [General] tab.

- 16 Click [Close] to close the window.

For a Network Connection

IMPORTANT!

You need RISO Network Card (optional) for network connection.

◆ For Windows XP

- 1** Open [Control Panel]-[Printers and Fax] in this order, and then select [Add a Printer] for starting.
- 2** Select [Local printer], and then click [Next].
- 3** Create the port.
Create TCP/IP port or LPR port.
- 4** Click [Have Disk], and then select the inf file of the driver to install.
(CD-ROM): [Windows 32-bit]-[Driver]-[WinXP]-[English]-RISODRV.INF
- 5** Select [RISO A2 Series], and then click [Next].
- 6** Print the test page.
- 7** Restart the computer.

◆ For Windows Vista

- 1 Open [Control Panel]-[Hardware and Sound] in this order, and then select [Add a Printer] for starting.
- 2 Click [Add a local printer].
- 3 Create the port.
Create TCP/IP port or LPR port.
- 4 Insert the [RISO Printer Driver] CD-ROM into the computer.
- 5 Click [Have Disk].
- 6 In the [Browse] window, select the following inf file, and then click [OK].
For Windows Vista (32-bit):
(CD-ROM): [Windows 32-bit]-[Driver]-[WinVista_8]-[English]-RISODRV.INF
For Windows Vista (64-bit):
(CD-ROM): [Windows 64-bit]-[Driver]-[WinVista_8]-[English]-RISODRV.INF
- 7 Select [RISO A2 Series], and then click [Next].
- 8 Confirm Printer name, and then click [Next].
- 9 Print the test page.
- 10 Restart the computer.

◆ For Windows 7

- 1 Open [Control Panel]-[Hardware and Sound]-[Devices and Printers] in this order, and then select [Add a Printer] for starting.
- 2 Click [Add a local printer].
- 3 Create the port.
Create TCP/IP port or LPR port.
- 4 Insert the [RISO Printer Driver] CD-ROM into the computer.
- 5 Click [Have Disk].
- 6 In the [Browse] window, select the following inf file, and then click [OK].
For Windows 7 (32-bit):
(CD-ROM): [Windows 32-bit]-[Driver]-[WinVista_8]-[English]-RISODRV.INF
For Windows 7 (64-bit):
(CD-ROM): [Windows 64-bit]-[Driver]-[WinVista_8]-[English]-RISODRV.INF
- 7 Select [RISO A2 Series], and then click [Next].
- 8 Confirm Printer name, and then click [Next].
- 9 Print the test page.
- 10 Click [Finish] to close the window.
- 11 Restart the computer.

◆ For Windows 8/Windows 8.1

- 1 Click [Control Panel]-[Hardware and Sound]-[Devices and Printers] in this order.
- 2 Click [Add a Printer].
- 3 Click [Add a local printer].
- 4 Create the port.
Create TCP/IP port or LPR port.
- 5 Insert the [RISO Printer Driver] CD-ROM to the computer's CD-ROM drive.
- 6 Click [Have Disk].
- 7 In the [Browse] window, select the following inf file and click [OK].
For Windows 8 (32-bit)/Windows 8.1 (32-bit):
(CD-ROM): [Windows 32-bit]-[Driver]-[WinVista_8]-[English]-RISODRV.INF
For Windows 8 (64-bit)/Windows 8.1 (64-bit):
(CD-ROM): [Windows 64-bit]-[Driver]-[WinVista_8]-[English]-RISODRV.INF
- 8 Select [RISO A2 Series], and then click [Next].
- 9 Confirm Printer name, and then click [Next].
- 10 Print the test page.
- 11 Click [Finish] to close the window.
- 12 Restart the computer.

A.2 Uninstalling the Printer Driver

The procedure of uninstalling the Printer Driver is described here.

(For the procedure of manual uninstallation, see p.156 "Manual Uninstallation")

For Windows Vista/Windows 7/Windows 8/Windows 8.1:

In the case of uninstallation using the uninstaller, the driver package cannot be deleted. When the driver package needs to be deleted, in such cases as for re-installation of the Printer Driver, uninstall the Printer Driver manually.

Use Uninstaller

IMPORTANT!

To uninstall the Printer Driver, you are required to log on to Windows by the account with the authority to change the system setting (such as administrator).

1 Start uninstaller

◆ For Windows XP/Windows Vista/Windows 7

Click [Start]-[All Programs]-[RISO]-[A2 Series]-[Uninstaller] in this order.

◆ For Windows 8/Windows 8.1

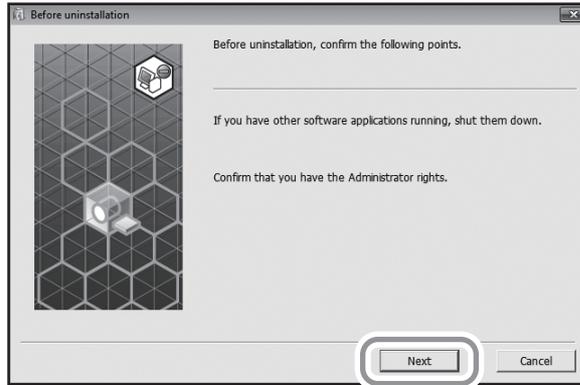
Open the "Apps" screen and click [Uninstaller] in the [RISO A2 Series] group.

2 Select your language from the drop-down list, and then click [OK].

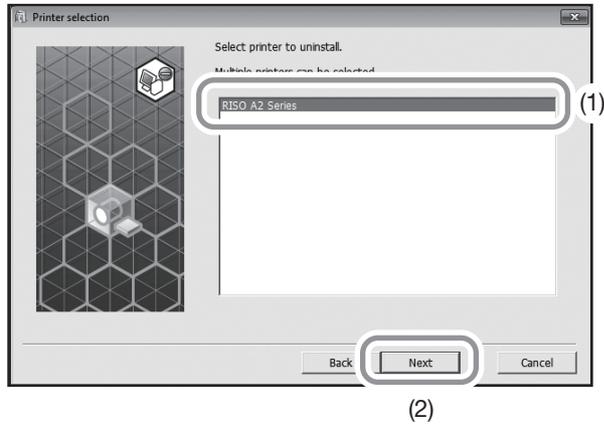


(2)

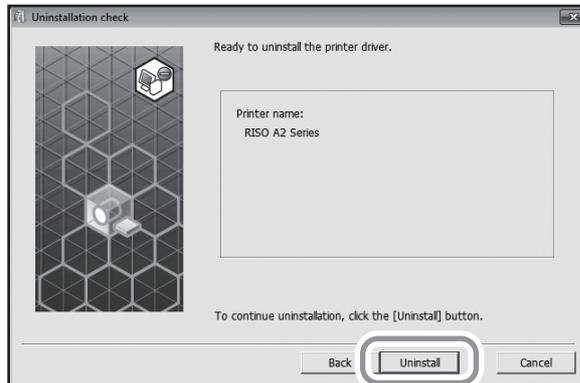
3 Click [Next].



4 Check that [RISO A2 Series] is selected, and then click [Next].



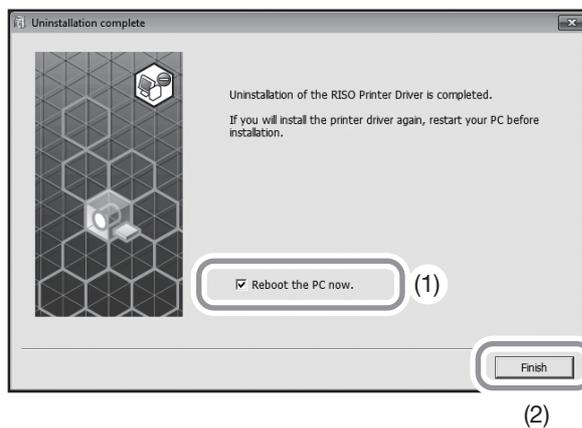
5 When [Uninstallation check] appears, click [Uninstall].



6 Click [Finish].

When you uninstall the Printer Driver, be sure to restart the computer.

If [Reboot the PC now.] is checked, the computer is restarted after [Finish] is clicked.



Manual Uninstallation

◆ For Windows XP

- 1 Open [Control Panel]-[Printers and Fax] in this order, and then delete "RISO A2 Series".
- 2 From the [Printers and Fax] menu, open [File]-[Server properties].
- 3 From the [Drivers] tab, select "RISO A2 Series" to uninstall, and then click [Remove].

◆ For Windows Vista

- 1 Open [Control Panel]-[Hardware and Sound]-[Printers] in this order, and then delete "RISO A2 Series".
- 2 From the menu that will be displayed by right-clicking on the margin of the [Device and printers] folder, select [Run as administrator] and then [Server properties].
- 3 From the [Drivers] tab, select "RISO A2 Series" to uninstall, and then click [Remove].
- 4 When the [Remove Driver and Packages] dialog opens, select [Remove driver and driver package] to delete the driver and driver package.

◆ For Windows 7

- 1 Open [Control Panel]-[Hardware and Sound]-[Devices and Printers] in this order, and then delete "RISO A2 Series".
- 2 Open [Control Panel]-[System and Security]-[Administrative Tools] in this order, and then select [Print Management] for execution.
- 3 Open [Print Servers]-[(Your PC name)]-[Drivers] in this order.
- 4 Open [Driver Name], and then right-click "RISO A2 Series" to display a menu, and then click [Remove Driver Package].
- 5 When the [Print Management] dialog opens, click [Remove].
- 6 Click [OK] to close the window.

◆ For Windows 8/Windows 8.1

- 1** Open [Control Panel]-[Hardware and Sound]-[Devices and Printers] in this order, and then delete "RISO A2 Series".

- 2** Click an existing printer, and then click [Print server properties] at the top of the screen.

- 3** From the [Drivers] tab, select "RISO A2 Series", and then click [Remove].

- 4** When the [Remove Driver and Packages] dialog opens, select [Remove driver and driver package] to delete the driver and driver package.

A.3 Optional Accessories

A variety of optional accessories are available to enhance the capabilities of the machine. To obtain optional accessories, contact your dealer (or authorised service representative).

◆Color Drum

Simply swap the drum for color printing. (Stored in its own case)

◆RISO Network Card

Use this to directly connect the machine to the network.

This machine does not support "RISO MONITOR", "RISO PRINT" and "RisoHoldManager" in RISO Network Card.

A.4 Specifications

RISO A2

Master-making Time	Within 60 seconds
Print Paper Weight	46 - 120 g/m ²
Print Paper Size	Minimum 420 mm × 297 mm Maximum 624 mm × 432 mm
Printing Area	596 mm × 425 mm
Paper Supply Capacity	1,000 sheets (64g/m ² -80g/m ²)/Maximum Height 110 mm
Paper Receiving Tray Load Capacity	1,000 sheets (64g/m ² -80g/m ²)/Maximum Height 110 mm
Print Speed	60 , 80, 100 sheets per minute (three steps variable), (Initial setting: 80 sheets per minute)
Print Position Adjustment	Vertical: ±15mm, Horizontal: ±10mm ^{*1}
User Interface	LED panel with Progress Arrow indicators
Functions	Idling, Print speed adjustment, Print density adjustment, Print position adjustment, Confidential mode, Programmed printing (1 type), Custom setting mode, RISO i Quality System, Auto-shut OFF, Auto-process, Proof, Clear job, Double Feed check, Paper ejection adjustment, Imposition, 180-degree rotation, Marginless master making, Job settings, Screening type (Grain-touch/Screen-covered), Photo type (Standard/Close-up/Group), Brightness, Contrast, Backlight correction, Edge enhancement, Tone smoothing, Line art style (Grain-touch/Screen-covered/Solid-look), Text style (Bold/Slim)
Color Change	Change Cartridge Drum
Ink Supply	Fully automatic (1000 ml per cartridge)
Master Supply/Disposal	Fully automatic (Approx. 100 sheets per roll)
Master Disposal Capacity	25 sheets
Supported PDL	RISORINC3
Supported OS	Windows [®] XP (32-bit) Windows Vista [®] (32-bit/64-bit) Windows [®] 7 (32-bit/64-bit) Windows [®] 8 (32-bit/64-bit) ^{*2} Windows [®] 8.1 (32-bit/64-bit) ^{*2}
Noise ^{*3}	Less than 72dB when printing
Power Source	100V-240V, 3.5-1.5A, 50-60Hz
Power Consumption	Approx. 350W (100V) / 320W (220V), (At Ready: Approx. 52W (100V/220V))
Dimensions	When in use: 1,435 (W) × 1,030 (D) × 735 (H) mm When in storage: 780 (W) × 1,030 (D) × 635 (H) mm
Required Space	1,665 (W) × 1,940 (D) × 970 (H) mm
Weight ^{*4}	Approx. 200 kg
Safety Standard	IEC60950-1 compliant, indoor, pollution degree 2 [*] At altitude 2000m or lower [*] The pollution degree of the usage environment due to dirt and dust in the air. Degree "2" corresponds to a general indoor environment.

*1: When the printing paper is 604 mm or less in width.

*2: Incompatible with Microsoft[®] Windows[®] RT.

*3: When printing 80 sheets per minute.

*4: Excluding the weight of ink and master roll.

Note:

- Some of the diagrams and descriptions in this User's Guide may differ from your machine due to improvement and changes to the machine.
- The specifications are subject to change without notice.

A.5 Index

Symbol

- ✖ Key 21
- + Key 21
- × Key 21

Number

- 180-degree rotation 56, 59

A

- About tab 66
- Auto Clear Time 93
- Auto Idling 93
- Auto Idling Time 93
- Auto Power-OFF 93
- Auto switch to master-making 94
- Automatic Printing 68
- Auto-process 68, 93
- Auto-process Indicator 20, 68
- Auto-process Key 20, 68

B

- Beep Sound 94
- Before Installation 30, 43

C

- C Key 21
- Call Service 130
- Changing the Color 114
- Check & Error Display 20, 124
- Check Settings 128
- Cleaning 118, 119
- Clear job 90
- Clear Job Indicator 22, 90
- Clear Job Key 22, 90
- Color Drum 158
- Confidential Indicator 22, 91
- Confidential Key 22, 91
- Connection with a Computer 12
- Consumables 106
- Control Panels 20
- Counter 19
- Creating a USB Port 41
- Custom Indicator 22, 96
- Custom Key 22, 96
- Custom Setting Restoration 95
- Customer Setting mode 93, 96
- Custom-Sized Paper 47

D

- Depleted Consumables 113
- Discarding Master 91

- Disposing 106
- Double Feed Check 22, 92, 94
- Drum 114

E

- Ejected master 113
- Empty Disposal Box 130
- Empty Disposal Box indicator 112
- Emptying the Master 112
- Error Display 124
- Error Location Indicator 124
- Error Number Display 20, 125
- Error Type Indicator 125, 132
 - Call Service 125
 - Check Setting 125
 - Empty Disposal Box 125
 - Ink Replacement Cartridge 125
 - Jam 125
 - Maintenance Call 125
 - Replace Master Roll 125
- Ethernet cable 43

F

- Feed Tray Ascent/Descent Button 18, 27, 75
- Feed Tray Paper Guide 26
- Feed Tray Paper Guides 18
- Feed Tray Paper Guides Lock Lever 18, 26
- Flow of Operation 24
- For a Network Connection (LAN) 43
- Front Cover 19

G

- Grounding 9
- Group 80

H

- H No. 131
- Handling 10
- Horizontal position 75

I

- i Indicator 20, 124
- Idling 70
- Idling Indicator 22, 70
- Idling Key 22, 70
- Image tab 62
- Imposition 56, 58
- Initial Settings 93
- Ink 11
- Ink Cartridge 19, 106, 113
- Ink Cartridge Cap Holder 19, 108

Ink Replacement Cartridge Indicator 106
Installation Location 8
Installing the Print Drum 114
IP Address Display 22
IP Address Setting 102

J

Jam 126
Job Settings 56, 60

L

LAN Cable 43
Layout Order 56, 58
Layout Tab 56
Line Art Style 64

M

Main Control Panel 18, 20
Maintenance Call 130
Manual Installation 144
Manual Uninstallation 156
Margin of the Original 16
Marginless Master-Making 16, 56, 59, 61
Master 91, 109
Master Core 113
Master Cover 19, 109
Master Disposal Box 18, 112
Master Guide Flap 19, 110
Master Quantity Display 95
Master Roll 19
Master Roll Lock Lever 19, 110
Master-Making Key 20
Master-Making Mode 68
Master-Making Unit 19, 109
Master-Making Unit Cover 19, 109
Master-Making Unit Cover Lever 19, 109
Maximum Master-Making Area 17
Maximum Printing Area 17
Maximum Printing Areas 16

N

Name of Each Part 18
Network 95

O

Operation 11
Optional Accessories 158
Original size 14, 56, 57
Output setting 77
Output size 56, 57

P

P Indicator 21
P Key 21

Pages/Sheet 56, 58
Paper Eject Unit 19
Paper Ejection Adjustment 77, 94
Paper Ejection Adjustment Indicator 22, 77
Paper Ejection Adjustment Key 22, 77
Paper Ejection Adjustment Registration 94, 98
Paper Feed Pressure Adjustment Lever 136
Paper Feed Tray 18, 26
Paper Jam 92
Paper Jumping Wing 19, 27, 29
Paper Receiving Tray 19, 28
Paper Receiving Tray Jam Cover 19
Paper size 14
Paper Stopper 19, 27, 28
Paper Type 93
Pause Timing 68
Photo Type 63
Power Connection 9
Power Switch 19, 49
Pressure Roller 120
Print 24
Print Density 93
Print Density Adjustment 73
Print Density Adjustment Indicator 20, 73
Print Density Adjustment Keys 20, 73
Print Drum 19
Print Drum Handle 19, 114
Print Drum Print Quantity Display 95
Print Drum Release Button 19, 114
Print Key 20
Print mode 72
Print Position Adjustment 74
Print Position Adjustment Indicator 21, 74
Print Position Adjustment Keys 21, 74
Print Position Center Key 21
Print Quantity Display 20, 131
Print Quantity Keys 21
Print Quantity Restoration Setting 94
Print speed 93
Print Speed Adjustment 76
Print Speed Adjustment Indicator 20, 76
Print Speed Adjustment Keys 20, 76
Printer Driver 13, 30, 153
Printer Exterior 121
Printing Data 49
Printing Paper 14
Program 80
Progress Arrows 20, 23
Proof Copy 72
Proof Key 21, 72
Property 56

R

Received Jobs 90
Receiving Tray Paper Guides 19, 27, 28
Registering Custom-Sized Paper 47

Replace Ink Cartridge 130
Replace Master Roll 130
Replace Master Roll Indicator 109
Replacing 106
Replacing the Ink Cartridge 106
Replacing the Master Roll 109
Reserve Period 94
Reset Key 21
Restore default 56, 60
RISO Network Card 43, 158
RISO Printer Driver 31

S

Safety Guide 8
Screening Type 63
Setting up the Paper Receiving Tray 28
Software 13
Sorting into Groups 80
Special Paper 77, 92
Specifications 159
Start Key 21
Stop Key 21
Sub Control Panel 18, 22

T

Text Style 65
Thermal Print Head 19, 119
Total Quantity Display 94
Troubleshooting Tips 133

U

Uninstall 153
USB cable 12, 30
USB Device Association 42
User Account Control 31

V

Ventilation 11
Vertical position 74

W

Windows 7 (64-bit) 36, 41
Windows 8/Windows 8.1 38
Windows logo testing 34
Windows security 34, 38
Windows Vista (64-bit) 36, 41

Notice for European Union Member States

RISO, the environment and the Waste Electrical and Electronic Equipment Directive "WEEE Directive"

What is the WEEE Directive?

The purpose of the WEEE Directive is to reduce waste and ensure Electrical and Electronic Equipment is recycled at the end of its useful life.



What does the crossed out wheeled bin symbol mean?

The crossed out wheeled bin symbol indicates this product must be disposed of separately to normal waste.

Please contact your RISO service agent for information about disposal.

What does the solid bar symbol mean?

The solid bar under the crossed out wheeled bin indicates this product was put on the market after the 13th August 2005.

Who should I contact if I want more information about the WEEE Directive?

You should contact your local RISO service agent for more information.

RISO