

# Digital Full Color Production Printer

## BP-1200S/BP-1200C

### Printer Unit Manual

<b>1</b>	<b>Before Using the Machine</b>	<b>4</b>
	Machine Components .....	4
	Image Printable Area and Assured Image Area .....	7
<b>2</b>	<b>Load and Output Paper</b>	<b>9</b>
	About Paper .....	9
	Output Paper.....	16
	Loading Paper .....	19
<b>3</b>	<b>Problem Solving</b>	<b>23</b>
	Printing Troubles.....	23
	Image Quality Trouble .....	25
	Paper Jams in the Printer Tower Unit .....	29
	Paper Jams in the Printer Output Unit .....	35
	Paper Jams - Long Paper .....	41
<b>4</b>	<b>Maintenance</b>	<b>43</b>
	Consumables.....	43
	Inline Sensor.....	46
	Cleaning the Printer.....	47
<b>5</b>	<b>Appendix</b>	<b>70</b>
	Main specifications.....	70
	Safety Notes.....	72
	License .....	76

# Preface

A manual describing the operations for printer unit, daily maintenance, and precautions on using.

- This manual may not be edited, modified or copied in whole or part without the written consent of the publisher.
- Some parts of this manual are subject to change without prior notice.
- The screen shots and the illustrations in this manual are used as examples. They may differ from yours depending on the model, the software, or the OS.

## Important

In this manual, safety instructions are preceded by the symbol . Always read and follow the instructions before performing the required procedures.

## Conventions

Regarding the notations and trademarks in this document, see the 'Printer User Interface Manual' (HTML).

Description in this manual such as feed capacity assumes 82 g/m<sup>2</sup> paper.

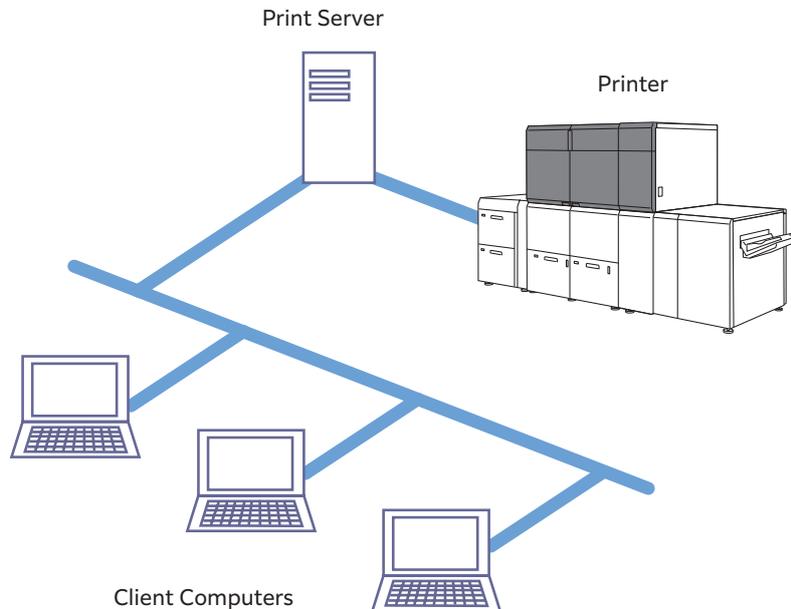
## Features of BP-1200S/BP-1200C

BP-1200S/BP-1200C is a color printing system that quickly processes data from client computers and delivers high-quality outputs.

The standard configuration consists of the printer unit and a Print Server.

### Refer

For information on the optional units other than Catch Tray.  
'Optional Units Manual'.



### ■ High-speed, high-quality color printing

BP-1200S/BP-1200C offer high-speed color printing: up to 120 sheets/minute (A4) (the actual speed depends on the size, type, and weight of paper), with the image quality of 2,400 dpi.

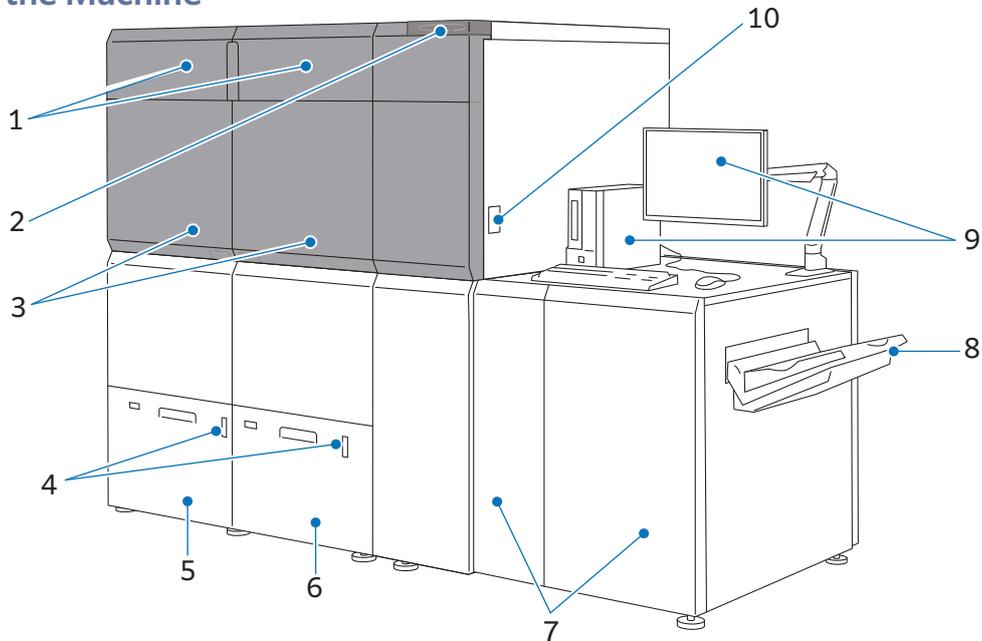
### ■ A wide range of paper types supported, including 52 to 400 g/m<sup>2</sup> paper, transparency, and coated paper

The printer runs under optimal conditions for the paper type specified by the user.

# 1 Before Using the Machine

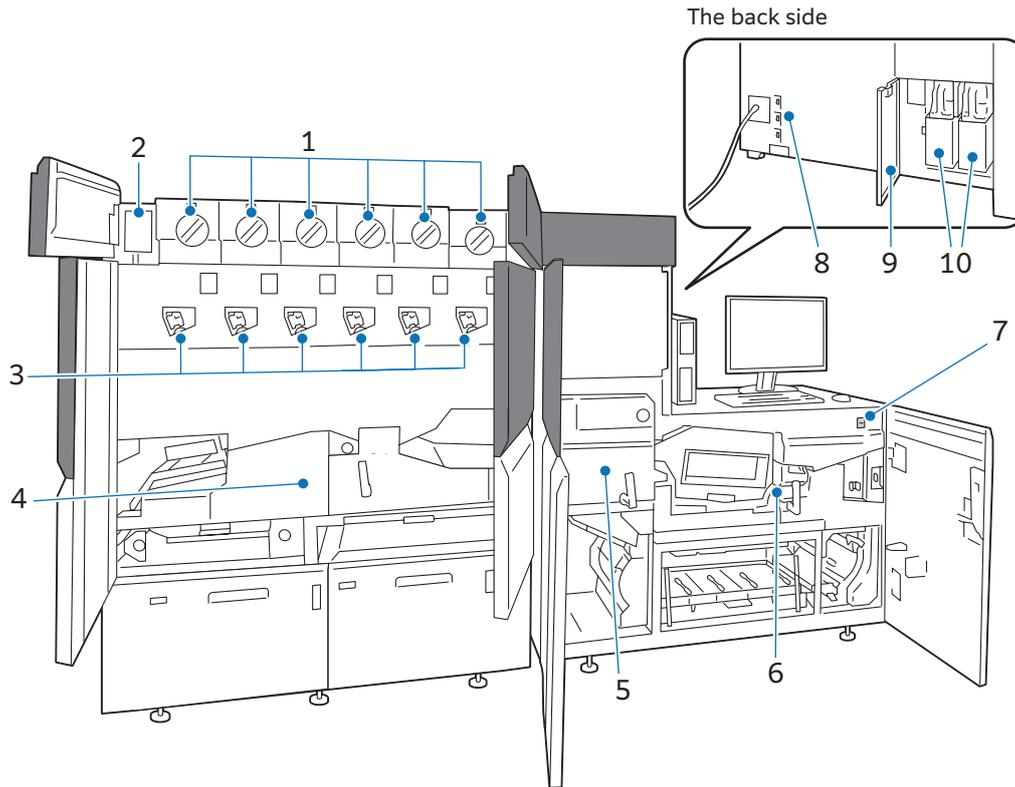
## Machine Components

### Front of the Machine



No.	Component	Function
1	Toner covers (right and left)	Open these covers to replace toner cartridges or to take out the protective covers for replacing corotrons.
2	Attention light	Illuminates in green when the machine is powered on. In case of an error, the light flashes in orange. <b>Note</b> The machine can be configured to make attention sounds in addition to emit the flashing light in orange.
3	Covers (right and left) of the Printer Tower Unit	Open these covers to replace corotrons, to clear paper jams, or to clean the printer.
4	Remaining Volume Indicator	When the Paper Tray is in operation, the top lamp is turned on. You can check the remaining volume of paper with the 4 lamps (each lamp indicates 25%) at the center. When Paper Replenish Indicator is turned on, paper is empty.
5	High Capacity Trays (Printer Unit Trays)	Load paper here.
6		
7	Covers (right and left) of the Printer Output Unit	Open these covers to replace the fusing web, to clear paper jams, or to clean the printer.
8	Catch Tray	Receives output sheets.
9	Operation PC	Users run the machine through the personal computer with the keyboard, mouse, and actual monitor.
10	Power switch	Powers on/off the printer. <b>Refer</b> 'Setup Manual'

## Inside of the Machine



No.	Component	Function
1	Toner cartridges	There are toner cartridges, each one for Black, Cyan, Magenta, Yellow, and Specialty.
2	Pocket	Contains two protective covers used for replacing a corotron.
3	Corotrons	There are five corotrons, each one for Black, Cyan, Magenta, Yellow, and Specialty.
4	Transfer Unit	<p>This module transfers the toner onto paper. Pull out this module to clear paper jams, or to clean the printer.</p> <p><b>Important</b></p> <p>If an abrupt power shutdown of the printer due to an electrical outage or other disruption arises when the printer is in operation, do not pull out the Transfer Unit, before the power is back. The Transfer Unit must only be handled when the power is on.</p>
5	Fusing Unit	Fuses toner on paper. The Fusing Unit is extremely hot, so do not touch it.
6	Cooling Unit	This part cools the paper. Pull out this unit to clear paper jams, or to clean the printer.
7	Main power switch	Switches the main power of the machine on and off. Always follow the instructions by the system administrator.
		<p><b>Note</b></p> <p>Always switch the power off before switching the main power off.</p> <p><b>Refer</b></p> <p>'Setup Manual'</p>
8	Ground Fault Interrupter	A switch to automatically switch the machine off when a current leakage is detected. There are 3 switches.
		<p><b>Refer</b></p> <p>'Setup Manual'</p>

No.	Component	Function
9	Cover for waste toner bottles	Open this cover to replace waste toner bottles.
10	Waste toner bottles	Collects waste toner. There are two waste toner bottles provided.

# Image Printable Area and Assured Image Area

The printer defines "Image Printable Area" and "Assured Image Area" for printing.

## ■ Image Printable Area

Image Printable Area is the area where the printer can print.

In the area close to boundary of printable area, image or text printed may become slightly blur but does not give impacts if printing crop marks or color patches.

### Note

The default image printable area can be changed by your local representative. However, if part of the image printable area is outside of the assured image area, SHARP cannot assure image quality or paper feed accuracy regardless of the paper type being used. For more information, contact your dealer or nearest SHARP Service Department.

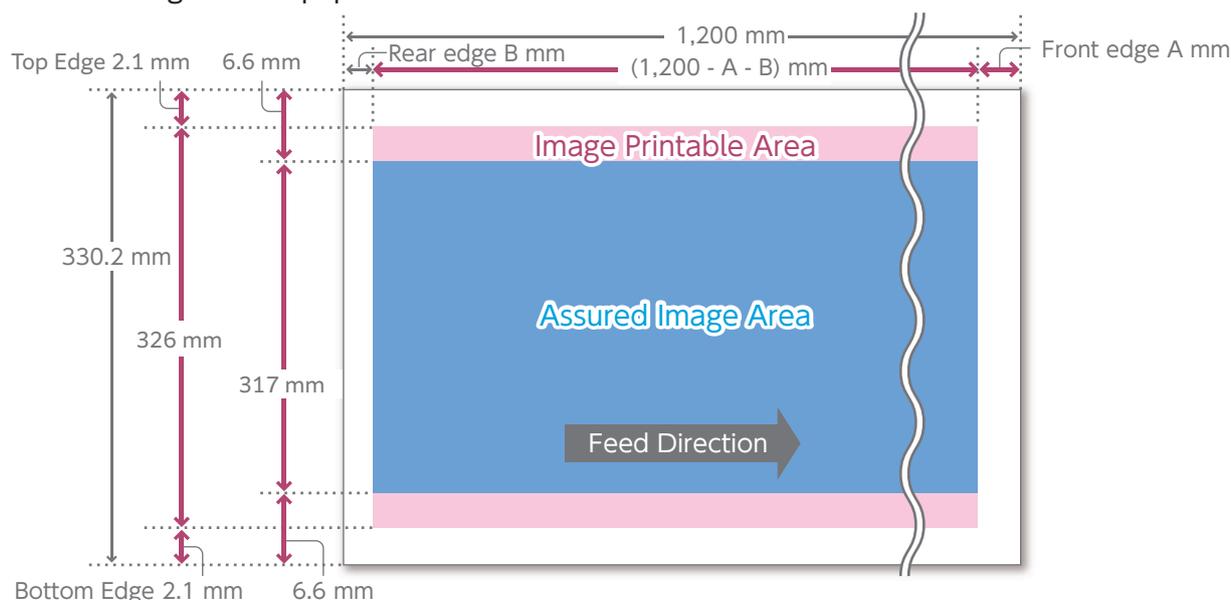
## ■ Assured Image Area

Assured Image Area is the area where SHARP assures image quality.

### Note

- When an image with high area coverage is placed in the image printable area outside of the assured image area, Fusing Unit jam may be caused.
- High temperature and high pressure on the Fusing Unit may cause the paper to expand or contract.

Regardless of size, there are some areas where printer cannot print on the front, rear, top, and bottom edges of the paper.



### Note

- On light weight coated paper, printing on a margin area of 4 mm on all four edges is not assured.
- For a page that contains solid (fill 100%) objects, the value of Front Edge A may increase by approximately 1 mm.
- Image Loss Area in the top/bottom edges, which is 2.1 mm, also applies to long paper (maximum image printable area: 326 mm). However, for long paper, there will be a bigger misalignment compared to paper of 488 mm landscape or less, and this may cause image loss area of 2.1 mm or more.

## Image Printable Area

Item		Paper "length" size (mm)			
		148 to 488	488.1 to 660	660.1 to 729	729.1 to 1,200
Image Loss Area	Front edge	A			8
	Rear edge	2			
	Top/bottom edges	2.1			
Image Printable Area	Maximum	326 x 484	326 x 656	326 x 725	326 x 1,190

### Value of front edge A

Paper weight (g/m <sup>2</sup> )		mm
Uncoated	52 to 54	5
	55 to 400	2
Coated	52 to 54	5
	55 to 72	4
	73 to 119	3
	120 to 400	2

## Assured Image Area

Item		Paper "length" size (mm)			
		148 to 488	488.1 to 660	660.1 to 729	729.1 to 1,200
Image Loss Area	Front edge	A			8
	Rear edge	B			
	Top/bottom edges	6.6			
Assured Image Area	Maximum	317 x 484	317 x 656	317 x 725	317 x 1,190

### Value of front edge A / rear edge B

Paper weight (g/m <sup>2</sup> )		Front edge A (mm)	Rear edge B (mm)
Uncoated	52 to 54	5	5
	55 to 400	2	2.1
Coated	52 to 54	5	5
	55 to 72	4	4
	73 to 119	3	2.1
	120 to 400	2	2.1

## 2 Load and Output Paper

### About Paper

#### Supported Paper

Below is the list of paper sizes available for printing by setting paper properties with Media Library.

##### Note

If you load paper whose paper properties are different from those currently being set for the specified Paper Tray, it can cause paper jams and image quality defects. Make sure the selected paper size, paper type, and paper weight are all correct.

#### Paper Size

##### Note

- Use Post Card Kit for paper size 181.9 mm portrait or less in High Capacity Trays.
- Use Air Suction Postcard Kit for paper size 181.9 mm portrait or less in Air Trays.

#### ■ Standard size

Size (short edge x long edge)	LEF	SEF	High Capacity Trays Air Trays (1, 2, A1/A2-1, A1/A2-2)	Long Paper Tray (A1/A2-1)	Bypass Tray (A1/A2-3)	Inserter Tray (T1)
SRA3 (320 x 450mm)	/	○	○	○	○	○
A3 (297 x 420mm)	/	○	○	○	○	○
A4 (210 x 297mm)	○	○	○	○	○	○
JIS B4 (257 x 364 mm)	/	○	○	○	○	○
JIS B5 (182 x 257 mm)	○	○	○	/	○	○
8K (267 x 388 mm)	/	○	○	○	○	○
8K (270 x 390 mm)	/	○	○	○	○	○
16K (194 x 267 mm)	○	○	○ (LEF), * (SEF)	/	○	○
16K (195 x 270 mm)	○	○	○ (LEF), * (SEF)	/	○	○
12 x 18"	/	○	○	○	○	○
Tabloid (11 x 17")	/	○	○	○	○	○
8.5 x 14"	/	○	○	○	○	○
8.5 x 13"	○	○	* (LEF), ○ (SEF)	* (LEF), ○ (SEF)	○	* (LEF), ○ (SEF)
8.5 x 11"	○	○	○	○	○	○
Quarto (8 x 10")	○	○	○ (LEF), * (SEF)	/	○	○
7.25 x 10.5"	○	○	○ (LEF), * (SEF)	/	○	○
DT Special A4 (226 x 310 mm)	○	○	○	○	○	*
DT Special A3 (310 x 432 mm)	/	○	○	○	○	*
12.6 x 19.2"	/	○	○	○	○	○
13 x 18"	/	○	○	○	○	○
13 x 19"	/	○	○	○	○	○

○: Can be automatically detected by selecting [Size] in Media Library  
 \*: Handled as non-standard size paper as it cannot be automatically detected when loaded  
 /: Paper orientation cannot be selected and Media cannot be applied

Size (short edge x long edge)	LEF	SEF	High Capacity Trays Air Trays (1, 2, A1/A2-1, A1/A2-2)	Long Paper Tray (A1/A2-1)	Bypass Tray (A1/A2-3)	Inserter Tray (T1)
Postcard (100 x 148 mm)	/	○	○	/	○	/
4 x 6"	/	○	○	/	○	/
○: Can be automatically detected by selecting [Size] in Media Library *: Handled as non-standard size paper as it cannot be automatically detected when loaded /: Paper orientation cannot be selected and Media cannot be applied						

## ■ Custom size

When you use non-standard size paper and long paper, from one of the Media Library, select [Custom Paper] for [Size] to specify the paper size using [Length] and [Width].

Printer Unit High Capacity Trays (1, 2)	Width: 98 to 330.2 mm
Optional High Capacity Trays / Air Trays (A1/A2-1, A1/A2-2)	Length: 148 to 488 mm
Long Paper Tray	Width: 210 to 330.2 mm Length: 210 to 1,200 mm
Bypass Tray (A1/A2-3)	Width: 98 to 330.2 mm Length: 148 to 488 mm (when Bypass Tray for Long Paper is installed: 1,200 mm)
Inserter Tray (T1)	Width: 182 to 330.2 mm Length: 148 to 488 mm

### Note

- For Bypass Tray, paper size 146 to 147.9 mm landscape can be loaded but the image quality and paper feed performance cannot be guaranteed.
- Bypass Tray except for Bypass Tray for Long Paper, the image quality and paper feed performance cannot be guaranteed for long paper.

## Paper Weight (g/m<sup>2</sup>)

Paper Type	Paper Tray	Printer Unit High Capacity Trays	Optional High Capacity Trays	Air Trays Long Paper Tray	Bypass Tray	Inserter Tray	Long paper
	Weight (g/m <sup>2</sup> )	52 to 400	52 to 350	52 to 400	52 to 300	52 to 350	-
Plain		○	○	○	○	○	○
Embossed		○	○	○	○	○	○
Transparency		-	-	-	-	-	/
Film		○	○	○	○	/	○
Metallic Paper		○	○	○	○	/	/
Postcard		○	○	○	○	/	/
Recycled		○	○	○	○	○	○
Labels		○	○	○	○	/	/
Adhesive		-	-	-	-	/	/
Transfer Paper		○	○	○	○	/	/
Precut Tab (Plain)		○	○	○	○	○	○
Precut Tab (Embossed)		○	○	○	○	○	○
Precut Tab (Recycled)		○	○	○	○	○	○
Full Cut Tab (Plain)		○	○	○	○	○	○
Full Cut Tab (Embossed)		○	○	○	○	○	○
Full Cut Tab (Recycled)		○	○	○	○	○	○
Ordered Media (Plain)		○	○	○	○	○	○
Ordered Media (Embossed)		○	○	○	○	○	○
Ordered Media (Recycled)		○	○	○	○	○	○
○: Can be loaded -: Paper weight cannot be loaded /: Media cannot be applied							

### Note

- Paper weight means the paper weight in gram per 1 square meter (g/m<sup>2</sup>).
- Paper weight 52 to 400 g/m<sup>2</sup> can be loaded for some of the Paper Tray or paper types although they are not supported; In this case the image quality and paper feed performance cannot be guaranteed.
- For information on supported transparency, contact your dealer or nearest SHARP Service Department.
- Transparency having a white strip on the edge is not supported.
- For 2-sided jobs where both front and back sides contain image density, use 115 g/m<sup>2</sup> or more paper.

## Paper Type

Paper Type	Pre-Printed (Sides 2)	Coating	Sequence
Plain	○	○	-
Embossed	*	-	-
Transparency	-	-	-
Film	-	-	-
Metallic Paper	-	-	-
Postcard	*	○	-
Recycled	○	-	-
Labels	-	-	-
Adhesive	-	-	-
Transfer Paper	-	-	-
Precut Tab (Plain)	○	○	○
Precut Tab (Embossed)	*	-	○
Precut Tab (Recycled)	○	-	○
Full Cut Tab (Plain)	○	○	-
Full Cut Tab (Embossed)	*	-	-
Full Cut Tab (Recycled)	○	-	-
Ordered Media (Plain)	○	○	○
Ordered Media (Embossed)	*	-	○
Ordered Media (Recycled)	○	-	○
Custom Paper	The same as Plain		
○: Can be loaded -: Cannot be loaded *: Can be loaded but ineffective			

### Note

- If you select [Matte Coated] or [Cast Coated] under [Coating], settings for [Pre-Printed] will be disabled.
- [Ordered Media] is a set of multiple papers as same as the precut tab. When you select [Ordered Media] or [Precut tab], enter the number of papers in a set in [Sequence].
- When you print a set of paper consists of 5 sheets, enter [5] in [Sequence], and if the paper jam occurred on the 3rd paper of the set, the 4th, 5th, next 1st, and next 2nd papers are purged (ejected without printing), and the 3rd paper of the next set is printed.

## Precautions on Paper Use

### Unsupported Paper

Do not use the following paper. It may damage the machine.

- Paper preprinted with ink whose chemical properties can be altered by heat at fusing
- Plastic films that can easily get deformed by heat at fusing
- Inkjet paper
- Business-card-size paper
- Folded or wrinkled paper
- Damp or wavy damp paper
- 12 mm or more curled paper
- Thermal paper, Heat-transfer paper
- Window envelope

There are some unsupported papers other than the one listed above. For more information, contact your dealer or nearest SHARP Service Department.

### Storing Paper

Paper is easy to get moist by the open air and to be deformed by the impact. Therefore, be sure to note the following:

- Store paper in a dry place. Using paper that has absorbed moisture can cause paper jams and image quality defects.
- Using paper that has been stored in a low temperature environment may cause poor fusing. It is recommended to store paper in an environment where the temperature is 16°C or more.
- Using coated paper that has been stored in a high temperature and high humidity environment might cause misfeeds or multifeeds.
- Once you have opened a pack of paper, it is recommended to reseal the remaining paper with a moisture-proof wrapper or plastic bag with zipper.
- Store paper flat to prevent from bending or warping.
- Keep papers out of direct sunlight.

### Handling Paper

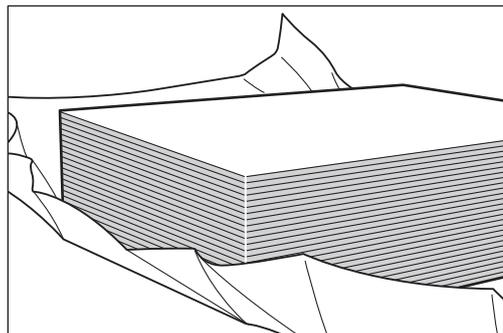
- Do not load a bunch of sheets that were once separate and then put together.
- Do not use folded or wrinkled paper.
- Do not load mixed sizes or types together into the Paper Tray.
- Fan Transparencies, films, or coated paper well before loading in a Paper Tray. These types of paper may be jammed or multifeed (multiple sheets transferred simultaneously). Also, setting Tray Air Assist feature may help improving its feeding performance when using High Capacity Trays / Air Trays / Long Paper Tray.

#### Note

- Paper absorbs moisture if the paper is left in a Paper Tray for a long time under highly humid conditions. Paper with excessive moisture may cause paper jams and image quality defects when it goes through the machine. It is recommended to remove all such paper from the Paper Tray, and replace it with fresh paper.
- Do not use damp paper, paper left unwrapped for long periods of time, and/or paper having excessive curl.

## Removing Paper Dust

Edges of a paper may have paper dust or coating materials generated during a paper cutting process. Before loading paper in a Paper Tray, remove paper dust and coating materials from paper edges using a vacuum cleaner or dry cloth.



## Notes on Using Specialty Media

- With specialty media such as black/colored paper, transparent film and vapor-deposited paper (metallic), the print result can differ depending on the paper brand. Therefore, you must prepare a media properly for the paper type to use, and run a test print to check the image quality beforehand.
- Even if an image quality defect occurs, properly setting in Media Library may help resolve the defect.

### Refer

'Tips for Print Media'

- For a list of tested specialty media and setting values for medias, contact your dealer or nearest SHARP Service Department.

## ■ Notes on Using White Toner

- Make sure to perform [White Toner Density Correction] before you run a print job.
- Toner spitting or misregistration can be more noticeable on prints consisting of White and CMYK. If you encounter such a problem, resolve any overlapping of white and CMYK layers on the original data.
- Color gamut is narrower on a print result where CMYK is overlaid on top of White preprinted (base printing) compared to that when the image is printed on white paper.
- Printing on heavyweight black/colored paper or transparent film may cause toner spitting on the front edge area of sheets (12 mm on black/colored paper, 15 mm on transparent film).
- Printing on heavyweight paper may cause the decreasing of toner density on the rear edge area of sheets (10 mm).
- Printing on heavyweight paper may cause image fluctuations. If you encounter such a problem, perform [Adjust Image Transfer].

## ■ Black/colored paper

- Using black paper may cause frequent jams or paper misfeed due to paper dust, compared to using white paper. Therefore, make sure you clean the rollers thoroughly. Especially, after using paper with some powder on its surface or paper contaminated with some glue, do not fail to clean the rollers.
- Printing on long colored paper may cause frequent jams. This is caused by the decrease in paper feed performance due to the embossed surface or pigment/dye ink particles adhered to rollers in Paper Trays. Therefore, make sure you clean the rollers thoroughly.

### Refer

"Cleaning Paper Trays" (p.49)

## ■ Transparent film

- Using "Fusing Web (Specialty Media)" is recommended.
- As to transparent films, make sure you use those of PET. If you use those of plastic, such as PVC that can easily get deformed by heat, it might cause a print engine fault.
- Paper may get damages on its surface or imaged areas due to contact occurring while it travels through the paper path. The longer the paper path, the more the damages. We recommend that you use the Output Tray closest to the printer unit.
- Due to thermal dissolution of paper surface with ink applied, bleeding patterns or white cloudy persistence of images may appear on the rear edge.
- Using light weight transparent film (100 µm) may cause corrugated output in the paper feed direction due to deformation by heat. If you encounter such a problem, adjust the media settings so that the fusing temperature is lowered.
- Transparent films easily get charged with static electricity and thus tend to adhere each other. Therefore, make sure you:
  - unpack the ream immediately prior to printing, and fan the sheets well.
  - use 100 sheets at a maximum, when loading them into a Paper Tray.
  - specify 10 sheets at a maximum, when delivering them into Output Tray.

## ■ Vapor-deposited paper (metallic)

- Using "Fusing Web (Specialty Media)" is recommended.
- Store them in an environment in temperature of 16°C or more. Also, after use, make sure you repack them in the original wrapper.
- Load only the required sheets of films into a Paper Tray to use, and do not leave them for a long time.
- Paper may get damages on its surface or imaged areas due to contact occurring while it travels through the paper path. The longer the paper path, the more the damages. We recommend that you use the Output Tray closest to the printer unit. Applying a post possessing such as PP or UV varnish will make scratches less noticeable.
- Due to thermal dissolution of paper surface with ink applied, bleeding patterns or white cloudy persistence of images may appear on the rear edge.
- Thermal applied during ink fusing may result in a chemical change of the image receptor layer of media, and thus may cause discoloration into rainbow-colored. If you encounter such a problem, adjust the media settings so that the fusing temperature is lowered.
- Depending on the type of the image receptor layer of media, toners are not fused sufficiently, and thus toner can easily scratch off prints. Such a falling off of inks can be avoided by applying PP for on-demand.
- Some types of paper can easily get charged with static electricity. When using such a paper, discharge may occur when you remove the stack from Paper Tray.

# Output Paper

## Printed Side (Except for Long Paper)

A printed side is the side of paper where an image is printed for 1-sided printing (or page 1 for 2-sided printing).

Which printed side to be used is specified on your Print Server. For detailed information on how to regard the method of specification, refer to customer documentation supplied with Print Servers.

### ■ Face Up

Printed sheets are ejected with the printed side facing up.

- Paper Size  
Width: 98 to 330.2 mm, Length: 148 to 488 mm
- Paper Weight  
52 to 400 g/m<sup>2</sup>

### ■ Face Down (Printing with paper inverted) , 2-sided printing

Printed sheets are ejected with the printed side facing down.

- Paper Size  
Width: 148 to 330.2 mm, Length: 182 to 488 mm
- Paper Weight  
52 to 360 g/m<sup>2</sup>

#### Note

Paper weight 361 to 400 g/m<sup>2</sup> can be loaded but the image quality and paper feed performance cannot be guaranteed.

## Capacity

Offset Catch Tray: 500 sheets (A4, 1-sided printing)

Long Catch Tray: 300 sheets (A4, 1-sided printing)

#### Note

The capacity may be reduced depending on the following conditions.

- Size of paper, paper weight
- Types of paper (such as coated/uncoated) and the degree to which the paper is curled
- 2-sided printing
- Image density

When the Catch Tray becomes full, the machine detects it and stops running.

## Offsetting

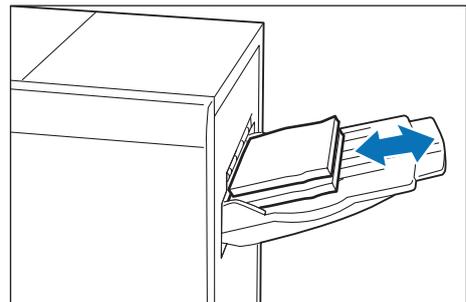
#### Note

This feature applies to Offset Catch Tray only. Long Catch Tray cannot be used to offset outputs.

Each set of printed paper is staggered in the output tray so that you can separate the stack easily.

Which offsetting to be used is specified on your Print Server. For detailed information on how to regard the method of specification, refer to customer documentation supplied with Print Servers.

- Paper Size  
Width: 170.1 to 297 mm, Length: 182 to 488 mm (JIS B5 to A3)
- Paper Weight  
52 to 300 g/m<sup>2</sup>



## Purge Function

The sheets are ejected to the Catch Tray or Output tray on optional units when they are in mid-flow being fed, before paper jam causes the machine to stop. Also, after the jammed papers are removed, the remaining sheets in the machine are ejected to the Catch Tray (or to the Output tray closer to the printer unit if any optional units are installed).

### Note

Do not reuse the sheets ejected by the Purge function, as this may cause paper jams.

## Long Paper

The output destination of long paper (488.1 to 729 mm landscape) is Catch Tray, High Capacity Stacker Output Tray, or Finisher Output Tray.

When there are multiple trays, we recommend that you use the Output Tray closest to the printer unit.

Please note that paper of 729.1 mm landscape or more can only be output to the output tray closest to the printer unit.

### ■ Paper Size (Length)

Face Up: Up to 1,200 mm

Face Down (Printing with paper inverted): Up to 488 mm

2-sided printing: Up to 729 mm

### ■ Paper Weight

82 to 300 g/m<sup>2</sup>

### Note

You may set paper weight of 52 to 81, 301 to 400 g/m<sup>2</sup>, but the image quality and paper feed performance cannot be guaranteed.

### ■ Coated

Uncoated, Coated, Cast Coated. (Matte paper is not covered by the warranty)

### ■ Banner Print Extension Kit

Long paper can be loaded without its lead edge sticking out.

Paper size (mm)	Tray capacity (sheets)
Width: 210 to 330.2 Length: 488.1 to 1,200	Up to 729 mm: 100 More than 729.1 mm: 10

### Important

When paper exceeding the tray capacity is loaded, the Extension Tray may get broken.

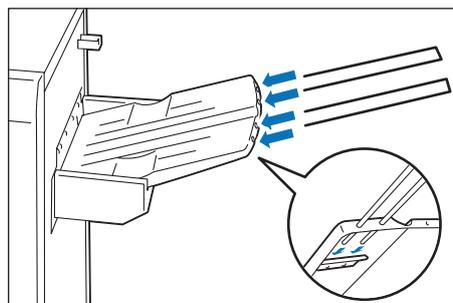


### ■ Extension Tray

Insert 2 extension trays until they stop.

### Note

Pass them through over the guide at the rear side of the tray until they stop.



### ▪ Lightweight paper housing wire

When it is difficult to load thin paper, install the wire.

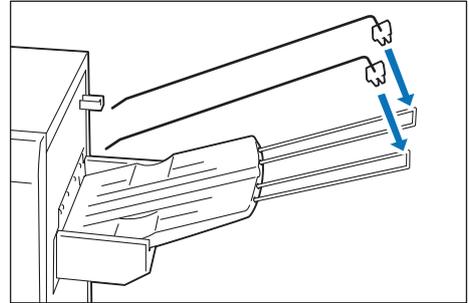
#### Note

- Tray capacity is 10 sheets.
- Paper of which width is 256 mm or less cannot be used.
- The supported paper weights are from 82 to 127 g/m<sup>2</sup>.

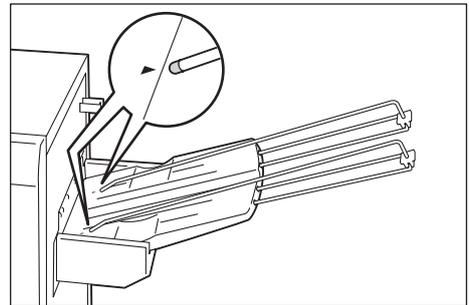
#### (1) Install the wires onto the extension tray.

#### Note

As holding the extension tray with a hand, insert the fixing devices firmly, and check that the wires will not come off from the extension tray.

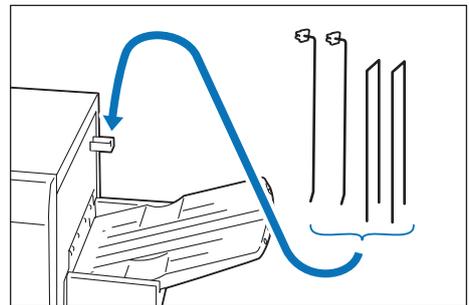


#### (2) Adjust the wire positions as aligning the wires with the "▲" marks.



### ▪ When not using the kit

Hang the kit on the holder at the side.



# Loading Paper

After loading the paper, be sure to set the information of the loaded paper in [Tray Settings] window on Device Screen.

## Important

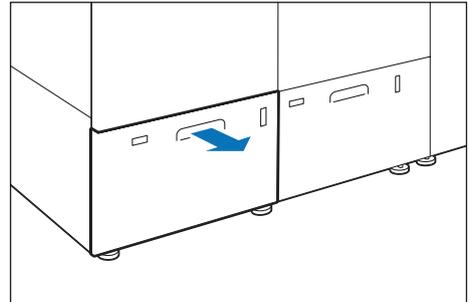
Do not load paper above the maximum fill line. It may cause paper jams or machine malfunctions.

## Note

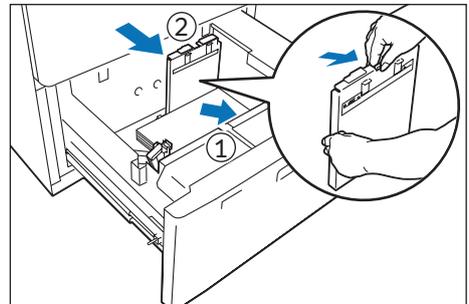
- If the amount of the loaded paper is 100 sheets or less, the guides apply more pressure to the paper. It may cause the paper to be distorted, leading to paper jams.
- Position the guides correctly to match the paper size. Incorrectly positioned guides may cause misfeeding and paper jams.
- In the event power is disconnected while the Paper Tray's bottom plate is rising, the plate may not move up when the power is recovered. In this case, pull out the Paper Tray, make sure the plate is lowered, and then push the Paper Tray into the machine slowly and firmly.
- When paper sheets are loaded or fed, the Paper Tray makes a sound of supplying air. This is caused by the Air Assist function, and not an abnormal noise.
- When you load the trimmed heavy weight paper, be sure to set the trimmed edge of the stack faces toward you. Otherwise the belt may be damaged by the paper burr and the image quality may be deteriorated.

Images are printed on the face side of the loaded paper.

1. Pull out the Paper Tray toward you until it stops.
2. Remove any paper remaining in the Paper Tray.



3. Fan the paper well and load about 100 to 500 sheets with the printed side facing up, and the paper edges aligned in the direction of the arrow (①).
4. Pinch the long-side paper guide grip and adjust to the correct paper size (②).



5. Load remaining sheets with the printed side facing up, and align the paper edges in the direction of the arrow (①).

6. Adjust the short-side paper guide to the correct paper size (②).

To leave a space, pinch the paper guide grip to move.

To narrow, push the paper guide to move.

**Note**

Make sure that Paper Feed Precision Lever is set to the Normal position. If printed image is still skewed (misalignment of image on prints) after you load paper in Paper Tray correctly, enable switching of paper feed precision.

**Refer**

"Changing Paper Feeding Accuracy" (p.22)

7. Push in the Paper Tray.

The [Tray Settings] window appears on the Device Screen.

8. Change the Tray settings.

## Postcard Setting

Attach Post Card Kit to the Paper Tray to load paper size 98 to 181.9 mm portrait.

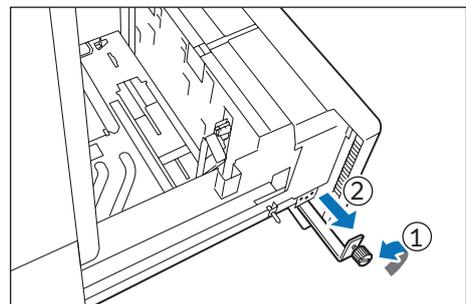
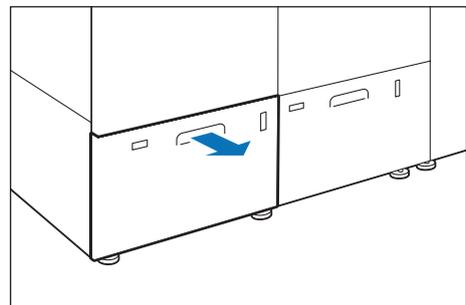
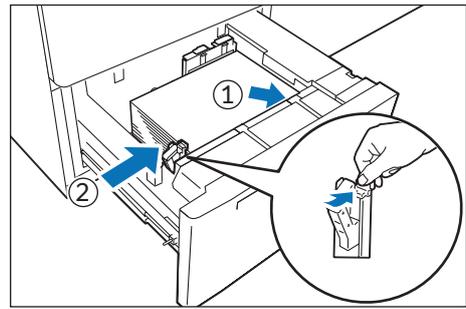
**Note**

Do not use Post Card Kit (which does not support 98 to 99.9 mm). Using it can cause misregistration or paper jam.

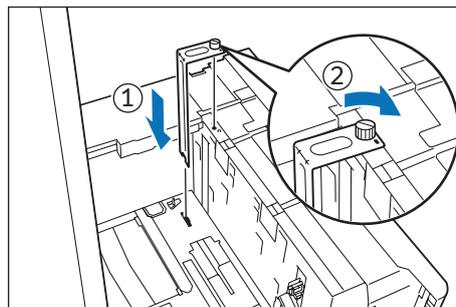
1. Pull out the Paper Tray toward you until it stops.

2. Remove any paper remaining in the Paper Tray.

3. If the Kit is supplied with the Paper Tray, loosen the screw (①) on the left side of the Paper Tray to remove the Kit (②).



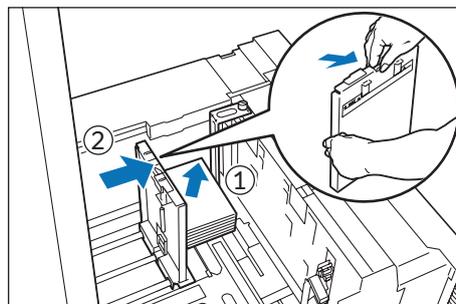
4. Insert the small protrusion of the Kit into the notch to the right side of the bottom of the Paper Tray (①). Align the hole of the Kit with the front Paper Tray hole and tighten the screw to fasten the Kit (②).



5. Load about 100 to 500 sheets of paper with the printed side facing up, and align the paper edges in the direction of the arrow (①).

**Note**

- Be sure to set them in short edge feed.
- The right side short edge of the set postcard will be the front edge.

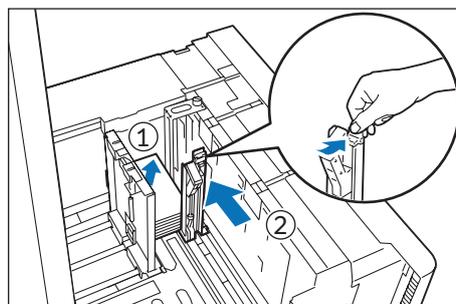


6. Pinch the long-side paper guide grip and adjust to the correct paper size (②).

7. Load remaining sheets with the printed side facing up, and align the paper edges in the direction of the arrow (①).

8. Adjust the short-side paper guide to the correct paper size (②).

- To leave a space, pinch the paper guide grip to move.
- To narrow, push the paper guide to move.



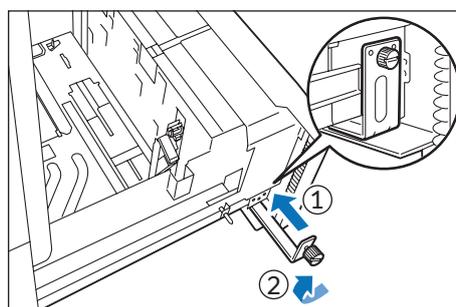
9. Push in the Paper Tray.

The [Tray Settings] window appears on the Device Screen.

10. Change the Tray settings.

11. To remove the Kit from the Paper Tray, loosen the screw completely and then remove the Kit.

12. Store the Kit in place by inserting it from the left side of the Paper Tray (①) and tightening the screw (②).



## Special Media Setting

### ■ Hole punched paper

Orientation: Place the holes of paper on the right side when you face the front side of printer.

### ■ Precut tab

Orientation: Place the tabs of paper on the left side when you face the front side of printer.

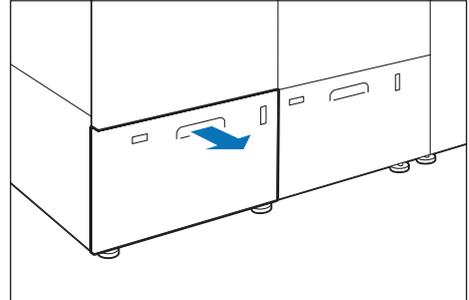
## Changing Paper Feeding Accuracy

Enabling this function may improve print displacement when images are skewed (print position is displaced) even though plain paper with the paper weight of 220 g/m<sup>2</sup> or less is correctly loaded.

### Note

- If this function is enabled when paper other than thick paper and plain paper is used, the machine cannot feed the paper properly, resulting in paper jams.
- It is not effective when the Postcard Kit is used.

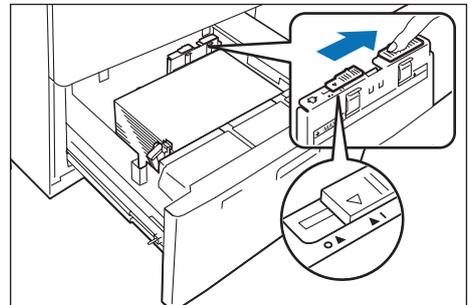
### 1. Pull out the Paper Tray until it stops.



### 2. Move the lever at the top of the long-side paper guide to the rightmost position (<l> position) to enable the changing.

### Note

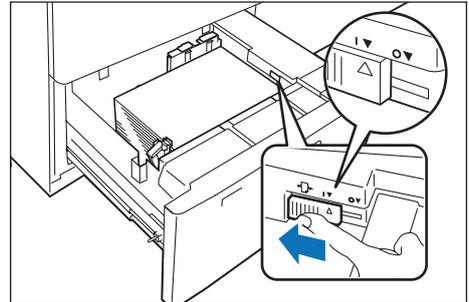
To reset the setting, move the lever to the leftmost position.



### 3. If the accuracy of paper feeding is not improved even if 2 is performed, move the lever at the right front to the rearmost position (<l> position) to enable the changing.

### Note

To reset the setting, move the lever to the foremost position.



### 4. Push in the Paper Tray.

After using the paper in question, return the lever to the normal position <o>.

## 3 Problem Solving

### Printing Troubles

When paper jams or any other troubles with the printer unit occurs, follow the procedures shown in the Device Screen. If the machine does not work properly after taking the procedure, contact your dealer or nearest SHARP Service Department.

#### Troubles with the Printer Unit

Symptom	Cause	Remedy
Power switch is on, but printer is not turned on	Is the main power switch in the < >(ON) position?	Press the main power switch to the < >(ON) position.
	Is the circuit breaker switch in the "ON" (upper position)?	Press the circuit breaker switch to the "ON" (upper position).
The Attention light is blinking or lit in orange	The printer unit or optional units may be having trouble.	Switch off the printer and then on again. Confirm that the power to the optional unit is on.
	The Operation PC may not be recognized.	Switch off the printer and then on again.
	Is there a paper jam?	Follow the instruction displayed and remove the jammed paper.
	Is any cover open?	Follow the instructions displayed to solve the problem.
	Is any message shown, suggesting the replacement of consumables?	Follow the instructions displayed to solve the problem.
	Is any error message shown?	Follow the instructions displayed to solve the problem.
The monitor is too dark	What is the current Power Saver mode?	If [Device - Power Saver Off (at time of Return to Standby)] is set to [Manual] under [System] in the [System Settings] window, it will not be possible to exit from the Power Saver Mode by pressing keys on a keyboard or moving the mouse. First exit from the Operation PC Power Saver Mode, and then exit from the Printer Power Saver Mode.
Unable to print	Are you logged on as Administrator Mode?	You cannot print while the printer is logged into Administrator Mode. Once logged out of Administrator Mode, the job will print.
	Is any of below happening? • The power was left OFF for a long time. • A job was sent right after the printer returned from the Power Saver mode. • A job with large volume was sent.	It may take time to start printing as image quality adjustment is in progress.
	Does the loaded paper correspond with the Media set with Device Screen?	Load the corresponding paper and print the job again.

#### Troubles with the Paper Trays

Symptom	Cause	Remedy
Unable to insert or remove the Paper Tray	Did you open a cover or turn the power switch off during printing?	Do not forcibly insert or remove the Paper Tray. Turn the power switch off. In a few seconds, switch on the power. When the printer is ready to receive data, insert or remove the Paper Tray.

Symptom	Cause	Remedy
Indicated paper level is wrong	Is there extra paper or any object placed in a space in the Paper Tray?	Placing extra paper or anything in a space in the Paper Tray may cause the printer to recognize incorrect paper size or paper level or to malfunction. Make sure nothing is placed in the space.
	Is the Paper Tray inserted correctly?	Pull out the Paper Tray, make sure the plate is lowered, and then push the Paper Tray into the machine slowly and firmly. It may take some time for the printer to indicate the paper level. This is because the printer is raising the bottom plate or setting up the Air Assist function, and thus not a malfunction.
Paper Tray bottom plate does not move up	Is paper loaded correctly?	First remove all the paper from the Paper Tray, and then reload it correctly. Slide the long-side and short-side paper guides to just touch the edges of the paper. Push the Paper Tray into the machine slowly and firmly.
	Is any paper sheet stuck at the exit of the Paper Tray?	Remove the jammed paper and push the Paper Tray into the machine slowly and firmly.
	Was power supply disconnected while the bottom plate was rising?	In the event power is disconnected while the Paper Tray's bottom plate is rising, the plate may not move up when the power is recovered. In this case, pull out the Paper Tray, make sure the plate is lowered, and then push the Paper Tray into the machine slowly and firmly.
	Is there extra paper or any object placed in a space in the Paper Tray?	Placing extra paper or anything in a space in the Paper Tray may cause the printer to recognize incorrect paper size or paper level or to malfunction. Make sure nothing is placed in the space.
	Is the paper curled?	Turn over or flatten the curled paper, or replace with uncurled paper. Do not use 12 mm or more curled paper.
	Is the loaded paper different from what is set on the Media Library?	Change the media settings to match the loaded paper. Load the same paper set on the Media Library.

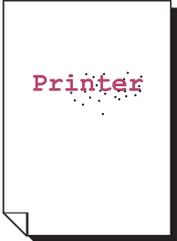
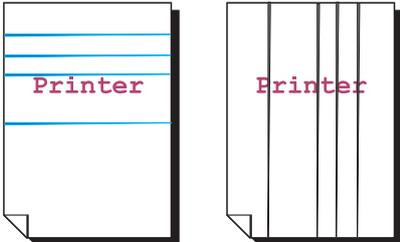
## Troubles Concerning the Paper

Symptom	Cause	Remedy
Paper jams or wrinkles on paper occurs frequently (problems in how the paper is loaded)	Are the paper and Paper Tray settings correct?	Please check if the set media setting (size, type, weight etc.) and the paper match.
	Are the paper guides set correctly?	Load the paper correctly, and align the paper guides with the paper.
	Is paper exceeding the maximum fill line?	Load paper in the Paper Tray so that it does not exceed the maximum fill line.
	Are the special media loaded with correct orientation?	Load the media in correct direction.
	Are there any torn pieces of paper or foreign objects left in the printer?	Check for jammed or torn paper, or any other objects in the parts where paper often jams.
Paper jams or wrinkles on paper occurs frequently (problems with the paper itself)	Is unsupported paper loaded in the Paper Tray?	Replace with supported paper.
	Is the paper finely cut out?	Some types of paper may not be cut correctly. Load the paper after fanning it.
	Is any folded or wrinkled paper loaded in the Paper Tray?	Remove folded or wrinkled paper sheets, or replace with new paper.
	Is the paper damp?	Replace with fresh paper that has just been unpacked.
	Are edges or holes of the loaded paper sheets neatly aligned?	Replace paper having irregular edges or holes.
	Is the paper curled?	Turn over or flatten the curled paper, or replace with uncurled paper. Do not use 12 mm or more curled paper.
	Is paper curl correction properly configured?	Perform curl correction.
Is lever [6c] or [6d] open?	Close lever [6c] and lever [6d] located inside the right and left side covers (at the Cooling Unit) of the Printer Output Unit.	

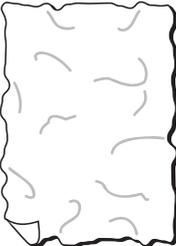
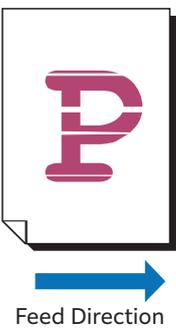
## Image Quality Trouble

If the image quality of a printed document is poor, identify the symptom in the following table to perform the remedy.

If image quality does not improve even after performing the remedy, contact your dealer or nearest SHARP Service Department.

Symptom	Cause	Remedy
Color density is less than desired. Tone jumping or tonal defect appears. Colors do not match the previously printed samples.	Output characteristics has been changed by the changes in environment or conditions.	Correct the print quality with Inline Sensor.
Printing is faint (rough, smudged, unclear). 	The paper is damp.	Replace paper.
	The inside of the printer may be dirty.	Clean the inside of the printer on a regular basis.
	There is a possibility of transfer defect.	Specify each item for [Advanced Settings] on Media Library.
	The drum cartridge has deteriorated or is damaged.	Contact your dealer or nearest SHARP Service Department to replace the drum cartridge.
	The toner is old.	Clean the toner on a regular basis.
There is no toner left in the toner cartridge.	Replace the toner cartridge with a new one.	
Black dots are printed. 	The inside of the printer may be dirty.	Clean the inside of the printer on a regular basis.
	The drum cartridge has deteriorated or is damaged.	Contact your dealer or nearest SHARP Service Department to replace the drum cartridge.
Black or colored lines are printed. 	The inside of the printer may be dirty.	Clean the inside of the printer on a regular basis.
	The drum cartridge has deteriorated or is damaged.	Contact your dealer or nearest SHARP Service Department to replace the drum cartridge.
Dirt appears at equal intervals. 	The paper path is dirty.	Print a few pages to remove the dirt.
	The inside of the printer may be dirty.	Clean the inside of the printer on a regular basis.
	The drum cartridge has deteriorated or is damaged.	Contact your dealer or nearest SHARP Service Department to replace the drum cartridge.

Symptom	Cause	Remedy
White dots appear in black filled areas. 	The paper is unsuitable.	Load suitable paper.
	The inside of the printer may be dirty.	Clean the inside of the printer on a regular basis.
	The drum cartridge has deteriorated or is damaged.	Contact your dealer or nearest SHARP Service Department to replace the drum cartridge.
	The toner is old.	Clean the toner on a regular basis.
Printed toner smudges when rubbed with your finger. Toner is not fused. The paper is soiled with toner. 	The paper is damp.	Replace paper.
	The paper setting is unsuitable.	Load the paper type and paper weight correctly.
The entire paper area is printed black. 	The drum cartridge has deteriorated or is damaged.	Contact your dealer or nearest SHARP Service Department to replace the drum cartridge.
	High-voltage power supply may have malfunctioned.	Contact your dealer or nearest SHARP Service Department.
Nothing is printed. 	Multifeed (multiple sheets transferred simultaneously) occurs.	Fan the paper well and load it again.
	Power supply or high-voltage power supply may have malfunctioned.	Contact your dealer or nearest SHARP Service Department.
White areas or white or colored stripes appear. 	The paper is damp.	Replace paper.
	The paper is unsuitable.	Load suitable paper.

Symptom	Cause	Remedy
<p>The entire output is faint.</p> 	Multifeed (multiple sheets transferred simultaneously) occurs.	Fan the paper well and load it again.
<p>Paper becomes wrinkled.</p> 	<p>The paper is unsuitable.</p> <p>Paper has been added to the paper loaded.</p> <p>The paper is damp.</p>	Replace paper.
<p>Text is blurred.</p> 	<p>The paper is unsuitable.</p> <p>Paper has been added to the paper loaded.</p> <p>The paper is damp.</p>	Replace paper.
<p>White or color patches appear vertically.</p> 	<p>The inside of the printer may be dirty.</p> <p>The drum cartridge has deteriorated or is damaged.</p> <p>No toner remains in the toner cartridge.</p>	<p>Clean the inside of the printer on a regular basis.</p> <p>Contact your dealer or nearest SHARP Service Department to replace the drum cartridge.</p> <p>Replace the toner cartridge with a new one.</p>
<p>Text or images are printed at an angle.</p> 	Paper guides in the Paper Trays are not in the right position.	Place the long-side and short-side paper guides in the right position.

Symptom	Cause	Remedy
<p>Prints on the front and back side of the paper are off-center.</p> 	<p>Alignment (registration adjustment) is not properly set.</p>	<p>Create an alignment profile to correct the misregistration.</p>

# Paper Jams in the Printer Tower Unit

If paper is jammed, the machine stops and an alarm sounds. Follow the instructions displayed on the screen to remove the jammed paper.

Gently remove the paper being careful not to tear it. If paper is torn while it is being removed from the machine, remove all the torn pieces making sure that none remain inside the machine. When you have finished clearing the paper jam, printing is resumed from the state before the paper jam occurred.

**Note**

Clear the paper jams while the machine is on.

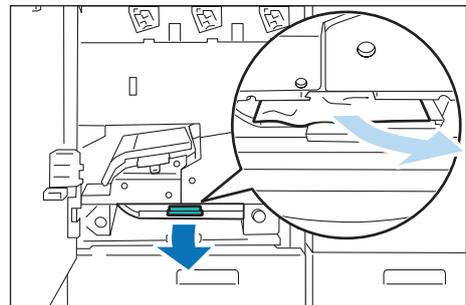
## Inside the Left Side Cover

- 1. Open the left side cover of the Printer Tower Unit.
- 2. Remove the jammed paper.

Lever [2d] .....	p.29
Lever [2d], Knob [2c] .....	p.29
Lever [2e] .....	p.30
Lever [2e], Knob [2f], or Lever [2g] .....	p.30

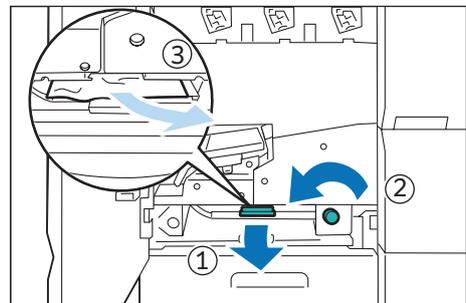
■ **Lever [2d]**

- (1) Open lever [2d] downward and remove the jammed paper.
- (2) Return lever [2d].



■ **Lever [2d], Knob [2c]**

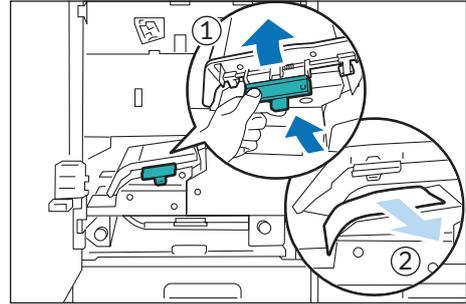
- (1) Open lever [2d] downward (①), turn knob [2c] counter-clockwise (②), and remove the jammed paper (③).
- (2) Return lever [2d].



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■ **Lever [2e]**

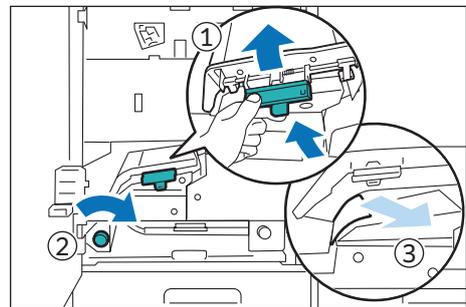
- (1) Open lever [2e] upward (①) and remove the jammed paper (②).
- (2) Return lever [2e].



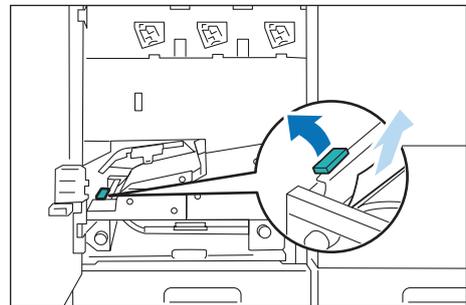
.....

■ **Lever [2e], Knob [2f], or Lever [2g]**

- (1) Open lever [2e] upward (①), turn knob [2f] clockwise (②), and remove the jammed paper (③).



- (2) If you have difficulty in removing the papers, open lever [2g] to the left and remove the jammed paper.
- (3) Return lever [2g] and lever [2e].



.....

3. Close the cover.

# Inside the Right Side Cover

## 1. Open the right side cover of the Printer Tower Unit.

## 2. Remove the jammed paper.

Lever [2a] .....	p.31
Lever [2b] .....	p.31
Area 4 .....	p.31

**Note**

If the jammed paper is visible, first clear the paper jam at Knob [3c].

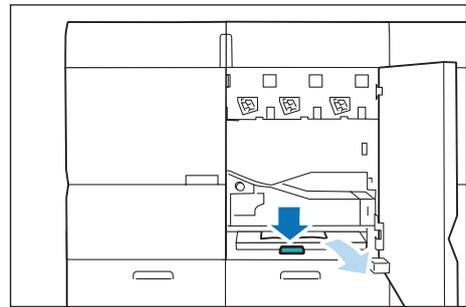
### ■ Lever [2a]

#### (1) Open lever [2a] downward and remove the jammed paper.

**Note**

Before opening lever [2a], make sure lever [2b] is closed. Lever [2b] may be damaged if you open lever [2a] while lever [2b] is open.

#### (2) Return lever [2a].



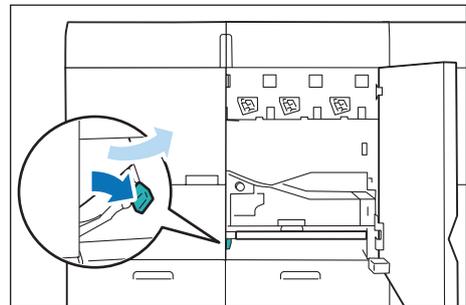
### ■ Lever [2b]

#### (1) Open lever [2b] to the right and remove the jammed paper.

**Note**

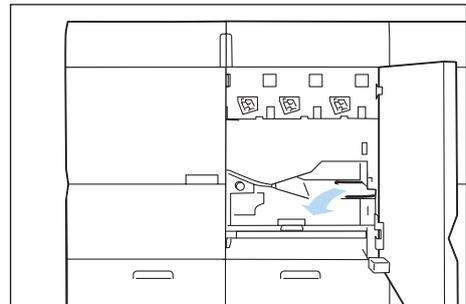
Before opening lever [2b], make sure lever [2a] is closed. Lever [2b] cannot be opened as far as lever [2a] is open.

#### (2) Return lever [2b].



### ■ Area 4

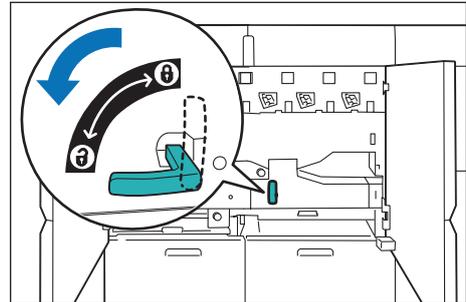
#### (1) Remove the jammed paper from Area 4.



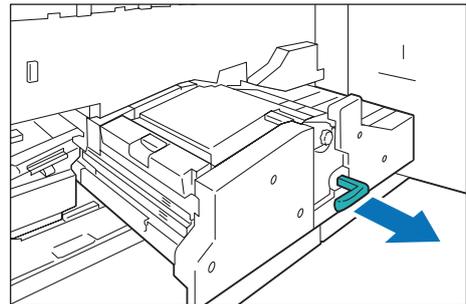
## 3. Close the cover.

# Transfer Unit

- 1. Open the right and left side covers of the Printer Tower Unit.
- 2. Turn lever [3] in the unlocking direction (toward the opened-lock mark).



- 3. Grip lever [3] and gently pull out the Transfer Unit toward you until it stops.



## 4. Remove the jammed paper.

Knob [3c] .....	p.32
Lever [3a] .....	p.33
Lever [3b] .....	p.33

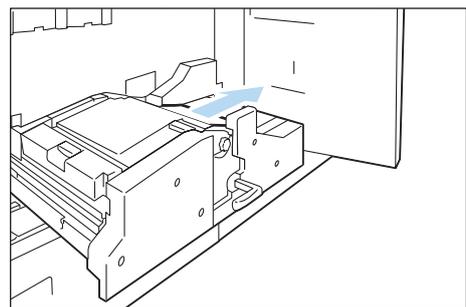
**Note**

If the jammed paper is visible, first clear the paper jam at Knob [3c].

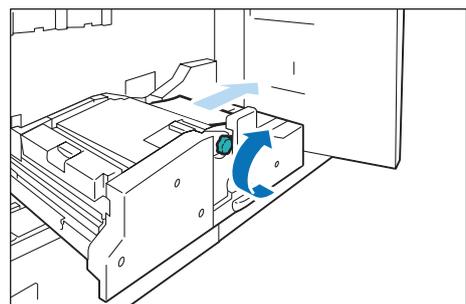


### ■ Knob [3c]

- (1) Remove the jammed paper from the right side.



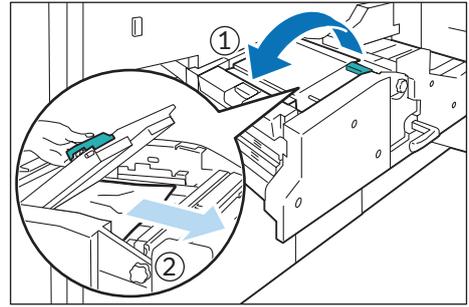
- (2) If you have difficulty in removing the papers, turn knob [3c] clockwise and remove the jammed paper.



.....

■ **Lever [3a]**

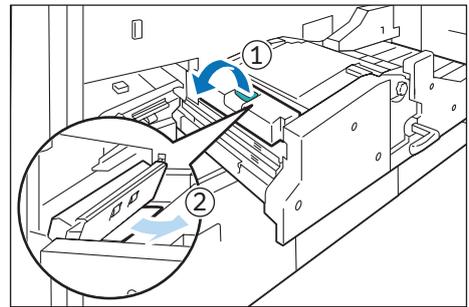
- (1) Open lever [3a] upward (①) and remove the jammed paper (②).



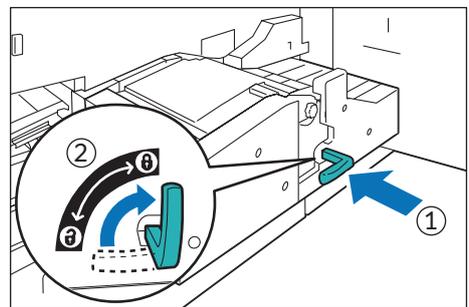
.....

■ **Lever [3b]**

- (1) Open lever [3b] to the left (①) and remove the jammed paper (②).

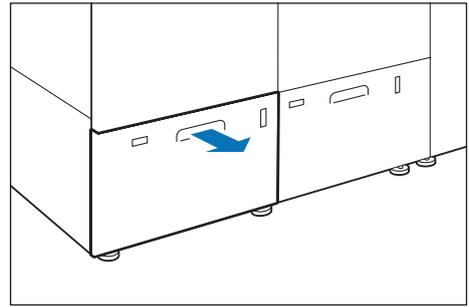


- .....
5. Push in the Transfer Unit gently until it comes to a stop (①).
6. Turn lever [3] in the locking direction (toward the closed-lock mark) (②).
7. Close the covers.

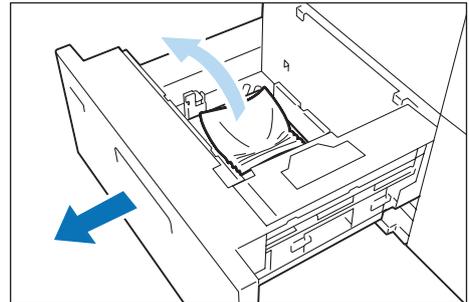


## Paper Tray

1. Pull out the Paper Tray where the paper jam occurred toward you until it stops.



2. Remove the jammed paper.
3. Confirm the paper guide position and push in the Paper Tray.



# Paper Jams in the Printer Output Unit

If paper is jammed, the machine stops and an alarm sounds. Follow the instructions displayed on the screen to remove the jammed paper.

Gently remove the paper being careful not to tear it. If paper is torn while it is being removed from the machine, remove all the torn pieces making sure that none remain inside the machine. When you have finished clearing the paper jam, printing is resumed from the state before the paper jam occurred.

**Note**

Clear the paper jams while the machine is on.

## Inside the Left Side Cover

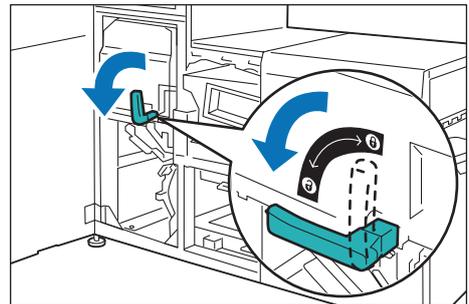
1. Open the left side cover of the Printer Output Unit.
2. Remove the jammed paper.

Fusing Unit.....	p.35
Lever [7f] .....	p.36
Lever [7g] .....	p.36

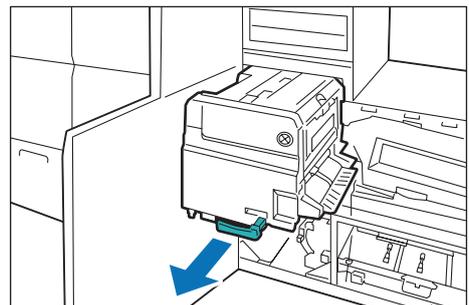
.....

### ■ Fusing Unit

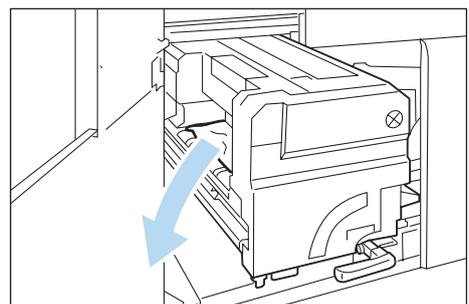
- (1) Turn lever [5] in the unlocking direction (toward the opened-lock mark).



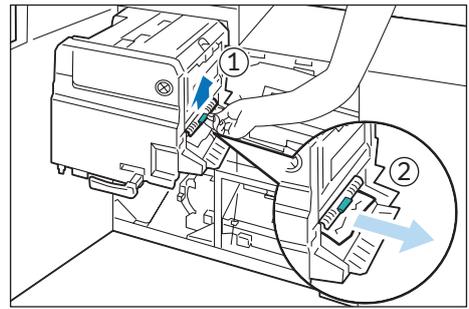
- (2) Grip lever [5] and gently pull out the Fusing Unit toward you until it stops.



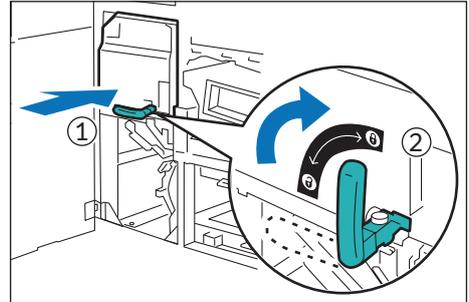
- (3) Remove the jammed paper from the left side of the Fusing Unit.



- (4) If you have difficulty in removing the papers, move up the handle of the transparent plastic cover located to the right of the Fusing Unit (①), and then remove the paper (②).

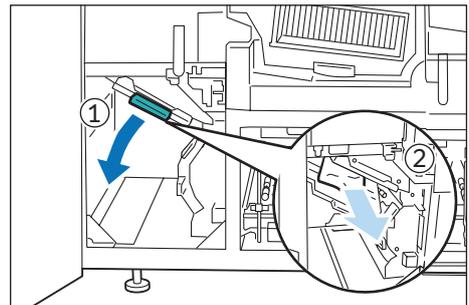


- (5) Push in the Fusing Unit gently until it comes to a stop (①).  
 (6) Turn lever [5] in the locking direction (toward the closed-lock mark) (②).



■ Lever [7f]

- (1) Open lever [7f] downward (①) and remove the jammed paper (②).  
 (2) Return lever [7f].



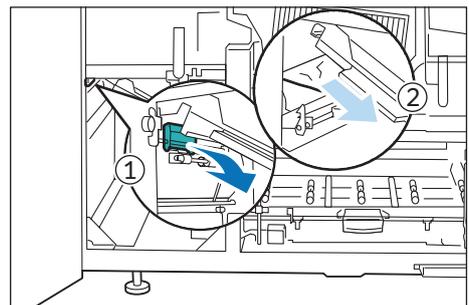
■ Lever [7g]

- (1) Open the lever [7g] located in the left rear corner under the Fusing Unit downward (①) and remove the jammed paper (②).

**Note**

Before opening lever [7g], make sure lever [7f] is closed. Lever [7g] cannot be opened as far as lever [7f] is open.

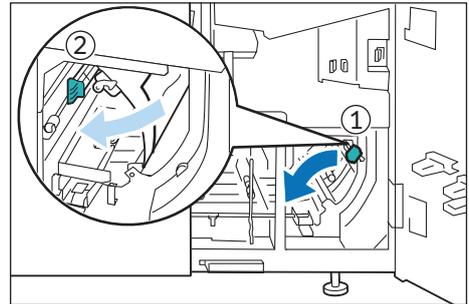
- (2) Return lever [7g].



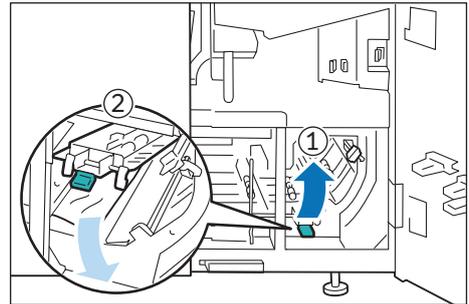
3. Close the cover.

## Inside the Right Side Cover

1. Open the right right side cover of the Printer Output Unit.
2. Open lever [7a] to the left (①) and remove the jammed paper (②).



3. If you have difficulty in removing the papers, open lever [7b] upward (①) and then remove the paper (②).
4. Return lever [7a] and lever [7b].
5. Close the cover.



## Inside the Right and Left Side Covers

1. Open the right and left side covers of the Printer Output Unit.
2. Remove the jammed paper.

Lever [7b] or Lever [7c] .....	p.37
Lever [7c].....	p.38
Lever [7d] or Lever [7c] .....	p.38
Lever [7e] .....	p.38

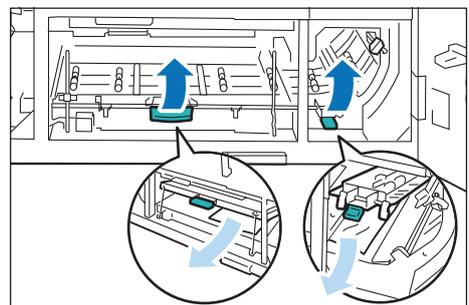
### ■ Lever [7b] or Lever [7c]

- (1) Open levers [7b] and [7c] upward, and remove the jammed paper.

#### Note

To prevent interference between [7c] and [7e], before opening lever [7c], make sure lever [7e] is closed.

- (2) Return levers [7b] and [7c].



.....

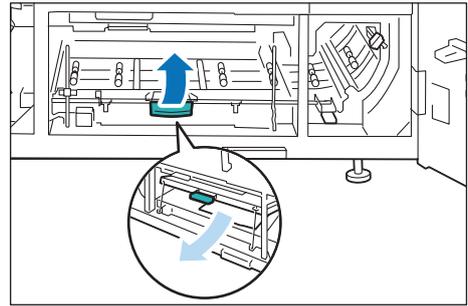
### ■ Lever [7c]

- (1) Open lever [7c] upward and remove the jammed paper.

**Note**

To prevent interference between [7c] and [7e], before opening lever [7c], make sure lever [7e] is closed.

- (2) Return lever [7c].



.....

### ■ Lever [7d] or Lever [7c]

- (1) Open lever [7d] to the left (①) and remove the jammed paper (②).

**Note**

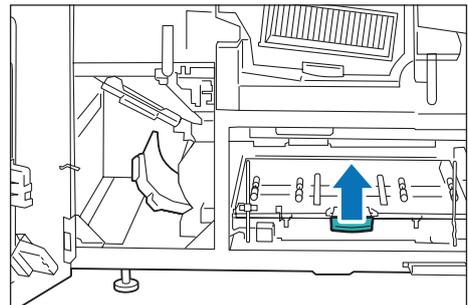
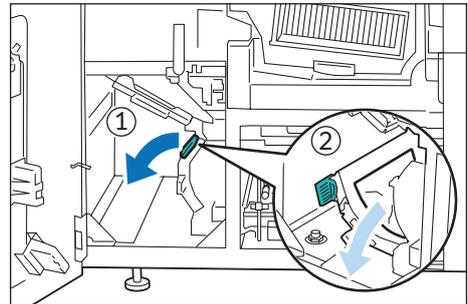
Before opening lever [7d], make sure lever [7f] is closed. Lever [7d] cannot be opened as far as lever [7f] is open.

- (2) If you have difficulty in removing the papers, open lever [7c] upward.

**Note**

To prevent interference between [7c] and [7e], before opening lever [7c], make sure lever [7e] is closed.

- (3) Return lever [7d] and lever [7c].



.....

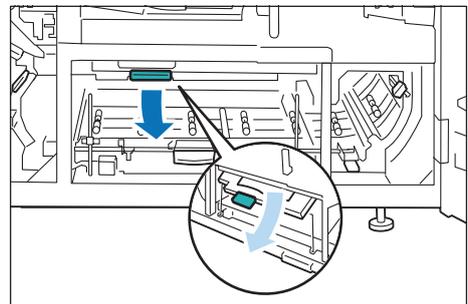
### ■ Lever [7e]

- (1) Open lever [7e] downward and remove the jammed paper.

**Note**

To prevent interference between [7c] and [7e], before opening lever [7e], make sure lever [7c] is closed.

- (2) Return lever [7e].



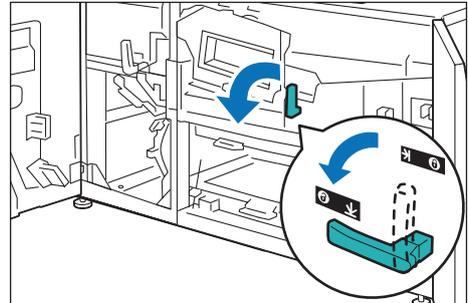
- .....
3. Close the covers.

# Cooling Unit

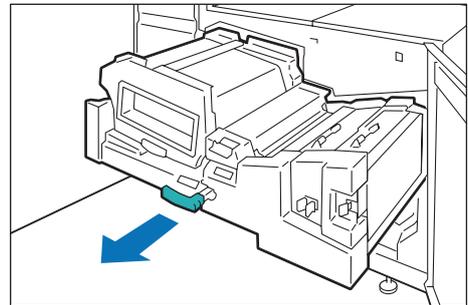
**Note**

The Fusing Unit and the Cooling Unit cannot be pulled out at a time.

- 1. Open the right and left side covers of the Printer Output Unit.
- 2. Turn lever [6] in the unlocking direction (toward the opened-lock mark).



- 3. Grip lever [6] and gently pull out the Cooling Unit toward you until it stops.



### 4. Remove the jammed paper.

Lever [6a] or Lever [6b] .....	p.39
Lever [6c].....	p.40
Lever [6d] .....	p.40

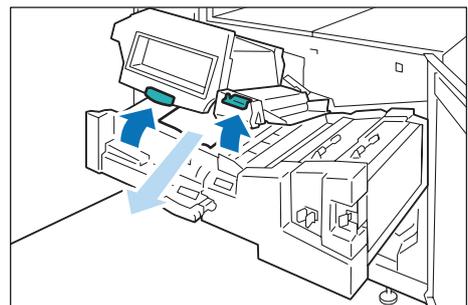
.....

#### ■ Lever [6a] or Lever [6b]

- (1) Open levers [6a] and [6b] upward, and with both the levers [6a] and [6b] opened, remove the jammed paper.

**Note**

- Be sure to open both levers [6a] and [6b] simultaneously while removing the jammed paper, otherwise a belt may be damaged, leading to image quality problems.
- A paper sheet may stick on the paper path on the upper belt unit. Be sure to check and remove such sheet.

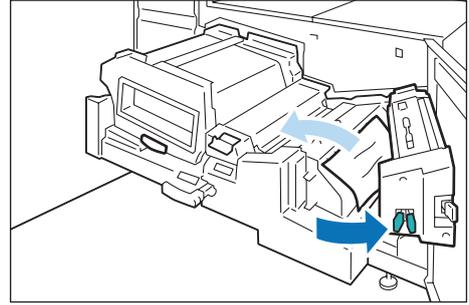


- (2) Return levers [6a] and [6b].

.....

■ **Lever [6c]**

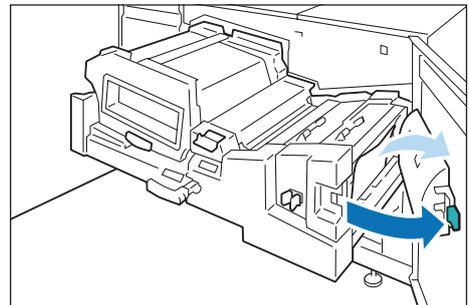
- (1) Open lever [6c] to the right and remove the jammed paper on the right.
- (2) Return lever [6c].



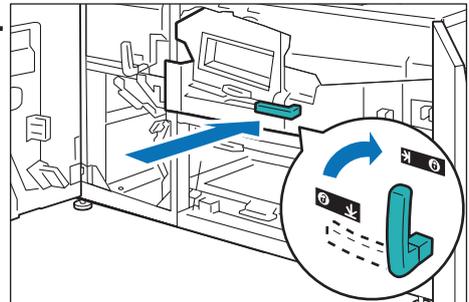
.....

■ **Lever [6d]**

- (1) Open lever [6d] to the right and remove the jammed paper on the right.
- (2) Return lever [6d].

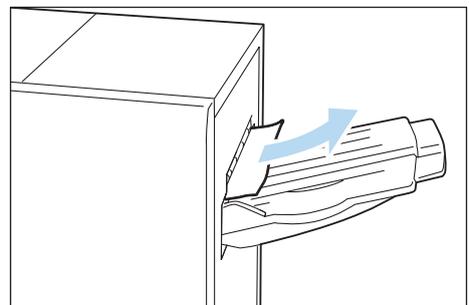


- .....
5. Push in the Cooling Unit gently until it comes to a stop.
  6. Turn lever [6] in the locking direction (toward the closed-lock mark).
  7. Close the covers.



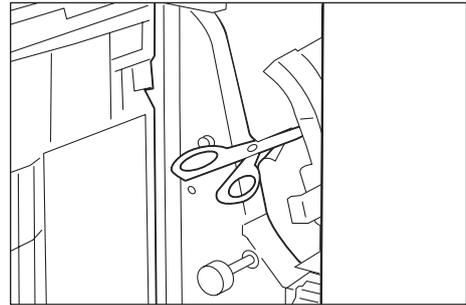
## Output Area

1. Remove the jammed paper that sticks out from the exit of the Catch Tray.
2. If you have difficulty in removing the papers, open the right and left side covers of the Printer Output Unit, and remove the jammed paper from the cooling unit.



## Paper Jams - Long Paper

Long paper (lightweight paper, especially) can easily be torn during removal of the paper sheet. Be sure to cut the jammed paper sheet with scissors or a cutter before you can remove the cut sheets.



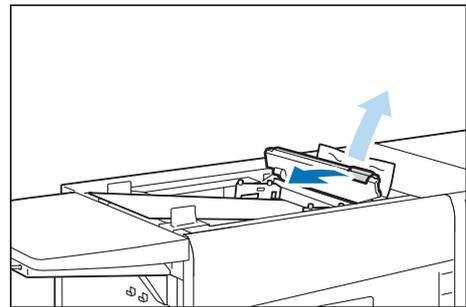
## Paper Jams in Paper Feeder

### When paper remains in Bypass Tray

Open the top cover of Bypass Tray, and gently pull out the paper sheets.

#### Note

Do not pull out the top cover of right side High Capacity Feeder at continuous feed configuration. If you do so, the jammed paper will be torn and this will prevent it from being removed.



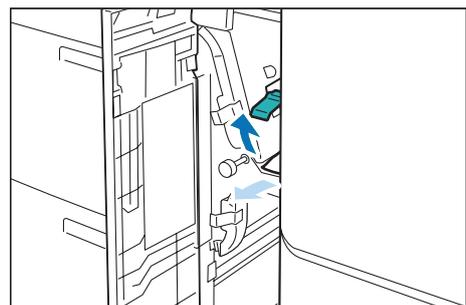
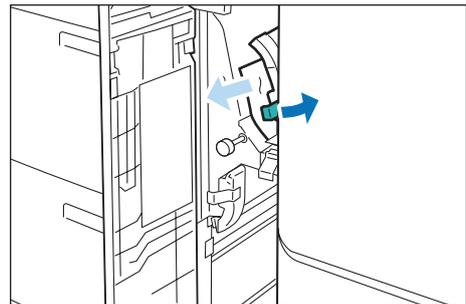
### When Paper Jam Occurs in the Area Between the right side High Capacity Feeder's Paper Feeding Unit and the Printer Unit

Open the right cover and remove the jammed paper. Do not attempt to remove jammed paper from the printer unit side.

#### Note

Do not pull out Transfer Unit / Cooling Unit of the printer unit. If you do so, the jammed paper will be torn and this will prevent it from being removed.

1. Open lever [1a] of the inside the right side cover to the right.
2. Cut jammed paper with scissors or a cutter.
3. Turn knob [1c] clockwise and remove the jammed paper (trail edge of paper).
4. Open lever [1d] upward.
5. Turn knob [1c] clockwise and remove the jammed paper (lead edge of paper).



## Paper Jams in Paper Ejector

### Note

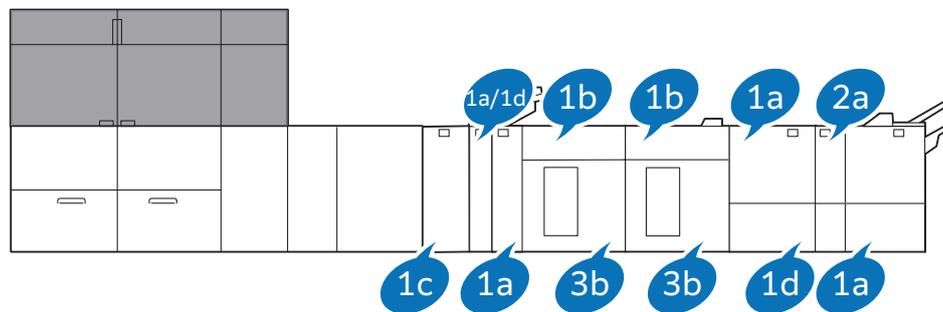
In the case of a jam of long paper, error lamps and Fault Details Window may show you an indication that is different from actual paper jam condition. Therefore, you need to perform actions to clear paper jams at every device that may have jammed paper remained.

1. Wait until the purge function has automatically moved paper on the way from the printer unit to the optional units.

### Note

Do not open any cover of the optional units before the movement has been completed.

2. If the jammed paper is lying across more than one unit, open every cover of all devices that are located before the paper jam area.
3. Open each lever located on the paper path.



- Interface Decurler Module...1c
- Inserter...1a, 1d
- Static Eliminator...1a
- High Capacity Stacker...entry: 1b; exit: 3b
- Crease / Two-sided Trimmer...entry: 1a; exit: 1d
- Folder Unit...2a
- Finisher...1a

4. Remove the jammed paper from each device.

Cut the jammed paper sheet with scissors or a cutter as required before you can remove the cut sheets.

### Refer

Removing jammed paper on each device  
'Optional Units Manual' / 'Print Inspection System Operation Guide'.

# 4 Maintenance

## Consumables

Consumables recommended by SHARP are manufactured under the standards suitable for this machine. Using consumables not recommended by SHARP may affect print quality or performance provided by the product. Use consumables that SHARP recommends for this machine.

### ■ Handling Consumables

Handle the consumables paying attention to the following:

- Do not store boxes for consumables upright.
- Do not unpack consumables until they are used. Avoid storing consumables in the following locations:
  - Hot and humid location
  - Location close to a fire
  - Location exposed to direct sunlight
  - Dusty location
- Before using consumables, read instructions and precautions on the packages carefully.
- It is recommended to have spare consumables ready.
- To place orders for consumables, take a note of the part number and contact your dealer or nearest SHARP Service Department.

### ■ Replacing consumables

To display the consumables progress, click [Consumables].



Consumables	
<b>Corotron</b>	<b>Status</b>
✚ Corotron (Black) ■ Remaining 100%	✓
✚ Corotron (Cyan) ■ Remaining 100%	✓
✚ Corotron (Magenta) ■ Remaining 100%	✓
✚ Corotron (Yellow) ■ Remaining 100%	✓
✚ Corotron (Clear (R)) ■ Remaining 100%	✓
✚ Corotron (Silver (L)) ■ Remaining 100%	✓
<b>Replacement Parts</b>	<b>Status</b>
🗑️ Waste Toner Container 1	✓
🗑️ Waste Toner Container 2	✓
🔧 Fusing Web (Standard)	✓
<b>Finishing Parts</b>	<b>Status</b>
🗑️ Crease/Two-sided Trimmer Waste Container	✓
🗑️ Hole Punch Waste Container	✓
🗑️ Staple Cartridge for Side Stitch	✓
🗑️ Staple Waste Container	✓
🗑️ Staple Cartridge for Saddle Stitch (Front)	✓
🗑️ Staple Cartridge for Saddle Stitch (Rear)	✓
🗑️ Trimmer Waste Container	✓

When the end of life for a consumable is reached, a message appears on the Device Screen. Replace the consumable indicated in the message.

For the replacement method, refer to the steps provided on the box of the consumable.

#### Note

Replace the consumable while the machine is on.

## ■ Toner Cartridges

Color		Label	Yield projections (maximum number of printed output)
Black		K	About 69,000 sheets
Cyan		C	About 82,000 sheets
Magenta		M	
Yellow		Y	
Specialty	Clear	CLR	About 55,000 sheets
	Textured Paper	TX	
	Gold	GLD	
	Silver	SLV	
	Pink	P	About 54,600 sheets
White		WHT	About 42,000 sheets

### ■ Yield projections

- For a continuous printing of A4, 1-sided with image density (area coverage per color) at 7.5% (5% for GLD and SLV).
- The number of printable pages varies depending on usage conditions, such as paper size, content of the document (image density), the number of printed sheets per job, the number of mode switching between Black & White and color, the number of initialization performed by turning the machine On and Off, and print mode selection.
- The printer consumes a certain amount of toner even when it prints a document whose image density is low.
- Printing a short job repeatedly may result in the number of printable pages being reduced to approximately half of the number described here or less.
- To achieve optimal print quality, the printer consumes a certain amount of each color toner, even if those colors are not used in the job.
  - If you print a monochrome document in color mode, Cyan, Magenta, Yellow toner are consumed.
  - Even if you print a job consisting of Specialty colors only, Cyan, Magenta, Yellow, Black toner are also consumed.
  - For a job for which using of a Specialty color is set, the printer consumes the Specialty toner even if the Specialty color is not used in the job.

#### Note

- When replacing a toner cartridge, toner may spill and soil the floor. It is recommended to lay paper on the floor beforehand.
- Toner cartridges can be replaced when printing.
- Gently open / close the toner covers when replacing a toner while printing. Shakes by opening / closing the cover may cause image defect.
- Pull out the toner cartridge gently. Otherwise, toner may fly out of the cartridge.

## ■ Waste Toner Bottle

Yield projections: About 140,000 sheets

For a continuous printing of A4, 1-sided with image density (area coverage per color) of CMY7.5%/K6%, and with color ratio of 80%.

#### Note

- Do not take out Waste toner bottles or tilt them around before they are filled up. The machine cannot measure accurately and toner may spill from the Waste toner bottle.
- When replacing a Waste toner bottle, toner may spill and soil the floor. It is recommended to lay paper on the floor beforehand.
- Pull out the tray gently. Otherwise, toner may fly out of the bottle.

## ■ Corotrons

Yield projections: About 1,600,000 sheets  
For a continuous printing of A4, 1-sided.

### Note

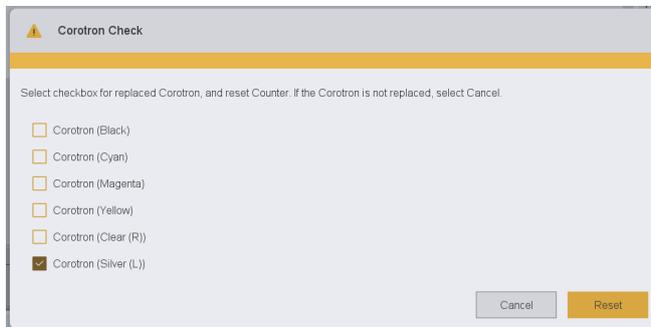
After replacing the corotron, be sure to close the protective cover. If the protect cover is not closed than an error will occur and image quality will degrade.

### 1. Mark the checkbox of the corotron you have just replaced, and then click [Reset].

After the counter for the selected corotron is reset, the printer starts self-cleaning of the corotron.

### Note

Be sure to reset the counter after replacing a corotron.



## ■ Fusing Web

Yield projections: About 1,200,000 sheets  
For a continuous printing of A4, 1-sided.

When it is time to replace the fusing web, a message appears on the Error Message area telling you that the fusing web should be replaced. When the message appears, please replace the fusing web.

Once the message appears the prints will only last for about 40,000 sheets.

### Note

- You can keep running the printer until the fusing web reaches the end of its life. If you continue printing without replacing the fusing web, stops running. The printer resumes operations when they fusing web is replaced with a new one.  
Note that, however, a waiting time will be displayed in the Device Screen after you leave the printer for 50 minutes with the Fusing Unit pulled out. This is because the printer needs to warm up before it can resume printing. Keep this in mind when running jobs continuously.
- To remove Fusing Web, hold the grips located at the left and right sides of Fusing Web, and remove it toward you by gently lifting it up at the front end. Do not attempt to pull Fusing Web by holding the grip at only one side, or do not pull the grips outward too much. Otherwise, grips can be damaged.

## ■ Specialty Media

Yield projections: About 55,000 sheets  
For a continuous printing of A4

When you are using Fusing Web (Specialty Media), after a message prompting you to replace it appears, approximately 6,000 sheets of printing (A4, simplex continuous printing) can be done before the printer stops working.

### Note

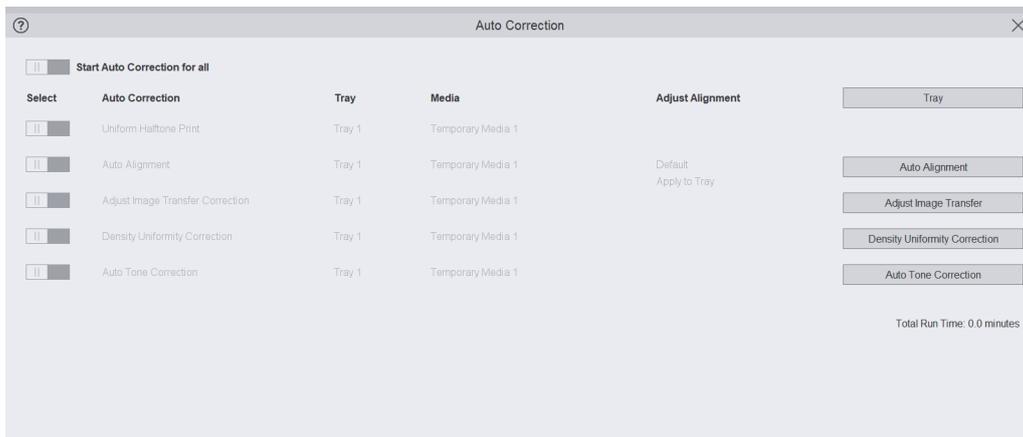
- An optional Fusing Web that helps to suppress obscured printed images due to wax adhered to the surface of media when printing on media such as transparent film or vapor-deposited paper (metallic).
- The life of this Fusing Web is shorter compared to a regular Fusing Web (less printable pages), and therefore do not use it for media other than specialty media.
- Be sure to use Fusing Web until it reaches the end of life before replacing it with a new one. Once you replace Fusing Web with a new one of the same type, a malfunction might occur in the message display that prompts you to replace it.
- To reuse Fusing Web being stored, i.e., previously used, be sure to install it into the same printer where it was previously installed. If you install it into another printer, a malfunction might occur in the message display that prompts you to replace it.

# Inline Sensor

With the Inline Sensor you can perform the following adjustment tasks automatically.

- Auto Alignment
- Adjust Image Transfer Correction
- Density Uniformity Correction
- Auto Tone Correction

Additionally, the machine provides the Automatic Adjustments feature that performs all of these adjustments at one time.



## Cleaning the Printer

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- When you clean printer, use the cleaning materials designated in every step.
- To wipe with a wet cloth, use the soft cloth tightly wrung out of water. If the parts are not completely dry, the printer may malfunction.
- Using commercially available non-woven dry type fabric is effective for cleaning paper dust. Choose Non-woven fabric with soft and highly adsorptive that can easily wipe dirt and dust off. Do not use non-woven fabric containing organic solvents or a polishing agent.
- Do not use benzene, paint thinner, or other organic solvents. Doing so might damage paint or coating on plastic parts.

### Note

After cleaning, be sure to close the cover. Leaving the cover open will not be able to continue to jobs.

## Running Paper

Cleaning may temporarily cause a number of white dots to appear on the output. After cleaning, feed paper through the machine to ensure effectiveness of the cleaning.

- 1. Create image data consisting C100% and M100% for SRA3 or A3 size.**
- 2. Run a 2-sided job to print this image on about 20 sheets of paper.**

## Cleaning the Exterior

- 1. Wipe the exterior with a firmly wrung soft cloth moistened with water.**

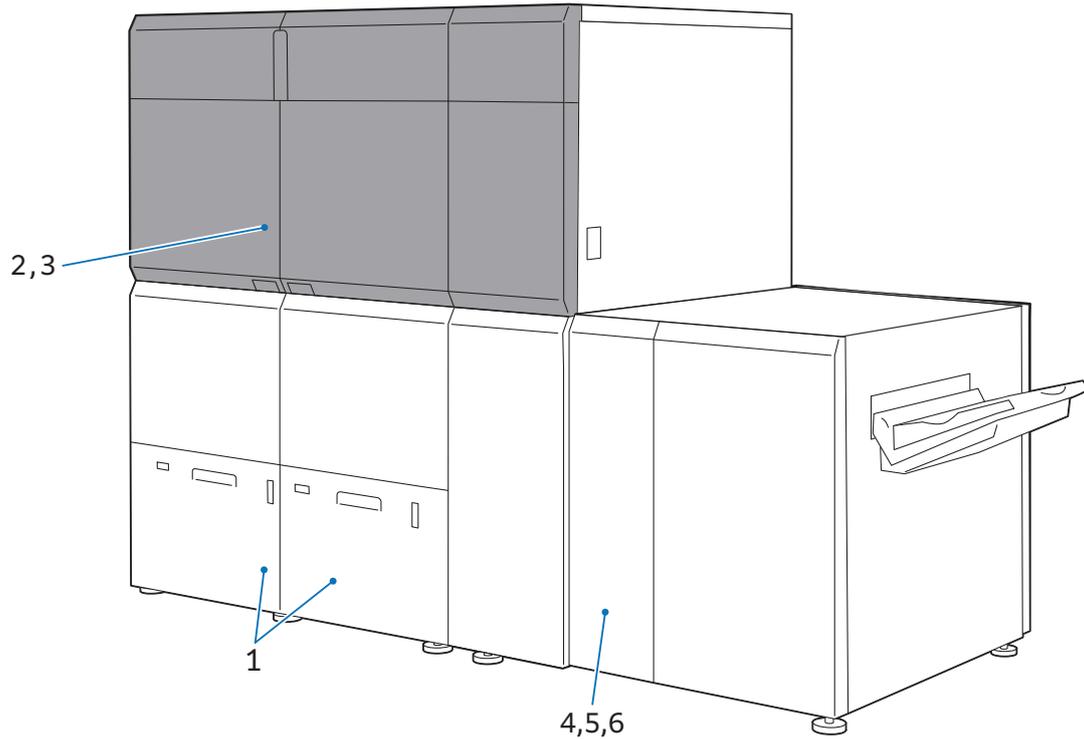
If dirt does not come off easily, try gently wiping with a soft cloth moistened with a small amount of neutral detergent.

### Note

Do not use cleaning agents other than water or neutral detergent.

- 2. Wipe off any excess water with a soft cloth.**

## Cleaning inside the Printer



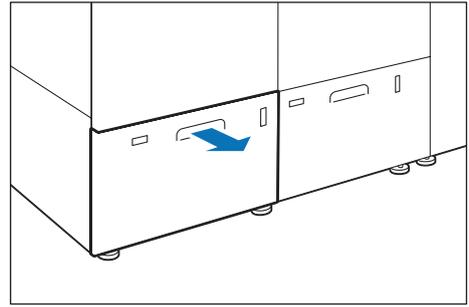
No.	Work	Frequency	Page
1	Cleaning Paper Trays	Every week (When collected paper dust is found in the paper guide or roller in the feeder cover)	p.49
2	Cleaning the Transfer Unit		p.51
	Transfer Unit Belt Units 1 and 2	Every day	p.51
	Around levers [3a] and [3b]	Every day (if smudge appears at the front/rear edges)	p.52
Every week (if no smudge appears at the front/rear edges)			
3	Cleaning the Printer Tower Unit	Every week (if 2-sided print is often done)	p.56
		Every month (if 2-sided print is rarely done)	
4	Cleaning the Printer Output Unit	Every week	p.60
5	Cleaning the Cooling Unit	Every week	p.66
6	Cleaning the Fusing Unit	Every week	p.69

### Note

When you have finished cleaning, make sure the roller and the surface of paper path are free from foreign objects.

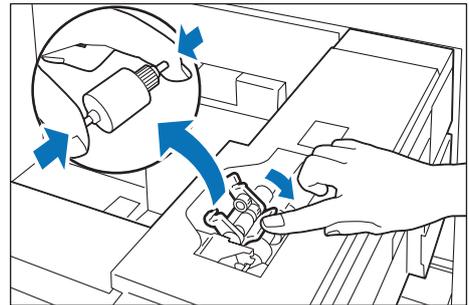
# Cleaning Paper Trays

1. Pull out the Paper Tray toward you until it stops.

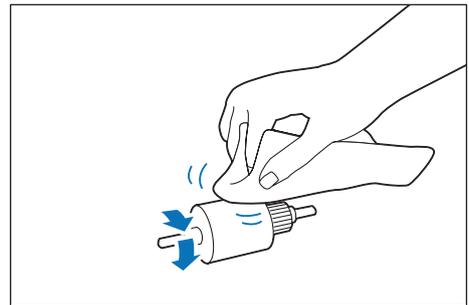


2. Clean the roller in the feeder cover located on the right side of the Paper Tray.

(1) Press down the roller 1 holder to the direction of the arrow, and remove roller 1 by picking up the both ends of its pin with fingers.



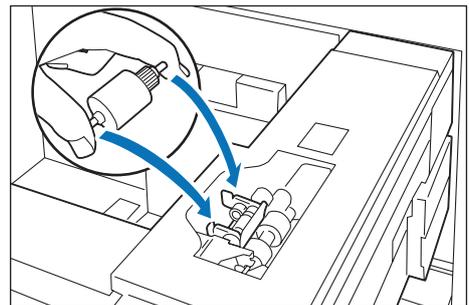
(2) Wipe the surface of roller 1 with the soft cloth tightly wrung out of water.



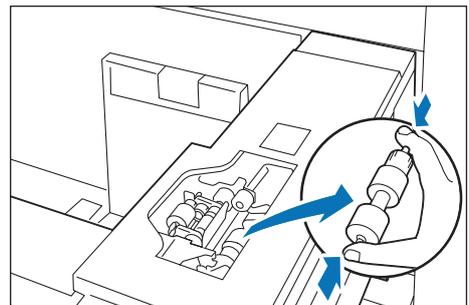
(3) Reinstall roller 1.

**Note**

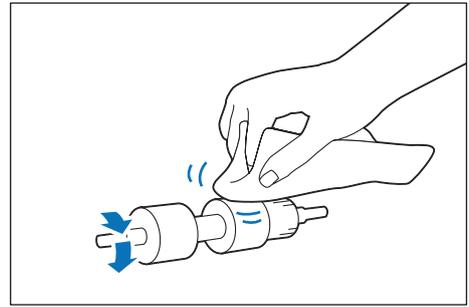
Make sure that roller 1 is installed in the holder completely.



(4) Remove roller 2 by picking up the both ends of its pin.



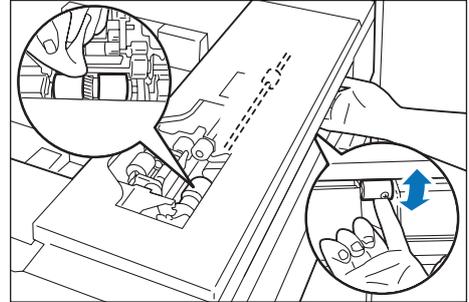
**(5) Wipe the surface of roller 2.**



**(6) Rotate the shaft of roller 3 with one hand, and wipe the surface of roller 3 with the other hand.**

**Note**

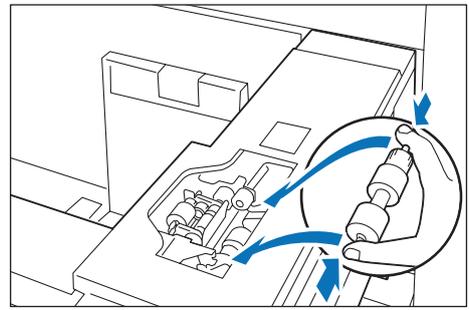
Clean roller 3 without reinstalling roller 2.



**(7) Reinstall roller 2.**

**3. Push in the Paper Tray.**

**4. Clean also the other Paper Tray with the steps 1 to 3.**



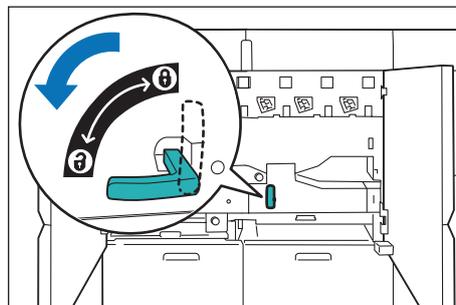
## Cleaning the Transfer Unit

### Important

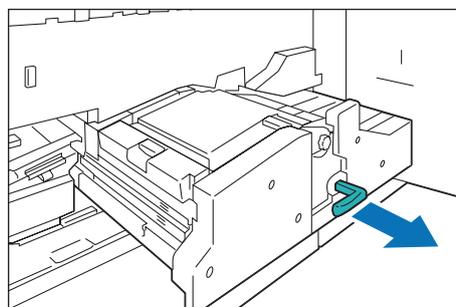
- Because the rear and underside spaces are very small, be very careful not to pinch your fingers or get injury on your body.
- Do not press a roller during the cleaning, otherwise the roller may drop off.

1. Open the right and left covers of the Printer Tower Unit.

2. Turn lever [3] in the unlocking direction (toward the opened-lock mark).



3. Grip lever [3] and gently pull out the Transfer Unit toward you until it stops.



4. Clean the Transfer Unit and belt units 1 and 2.

### ■ Cleaning the Transfer Unit

#### Important

- Do not directly touch the black transfer belt to the right of the paper chute unit (metal: ①).
- Be careful not to get oil or grease on your body.
- Do not start cleaning until the printer is cooled because there is the Fusing Unit nearby that can be very hot.

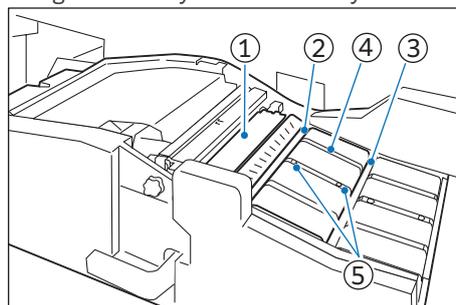
(1) Wipe paper dust on the paper chute unit (metal area) off with a dry soft cloth (①).

#### Note

This area is easy to collect paper dust. Be sure to confirm if there is no unwiped point.

(2) Wipe the paper chute unit (black plastic area) (②).

(3) Wipe the paper chute unit (black area) (③).



#### Important

Be careful not to deform the anti-static brush installed at the tip.

(4) Wipe the area between belts (④).

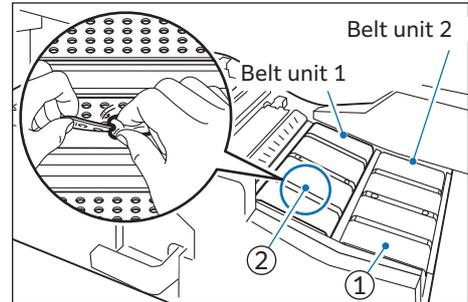
(5) Wipe the sensor area (⑤).

## ■ Cleaning Belt Units 1 and 2

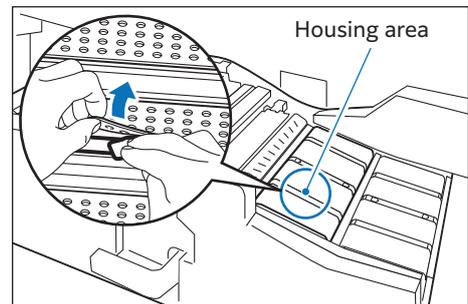
### Important

Be careful not to damage the belt when turning it up.

- (1) Wipe the belt surfaces with a dry soft cloth while turning the belt in the paper feed direction (①).
- (2) Wipe the belt edges while turning up the belt (②).



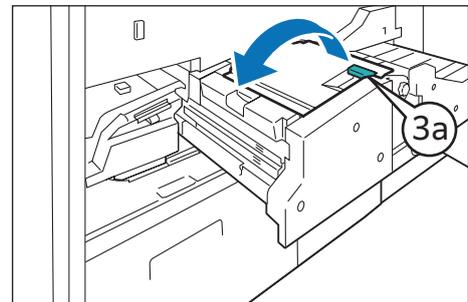
- (3) Gently hold and turn up the belt and wipe the housing area behind (the metal frame around the inlet).



5. Open lever [3a] to the left and clean behind lever [3a].

### Note

Because lever [3a] cannot stay at a fixed position, keep opening with one hand during the cleaning.

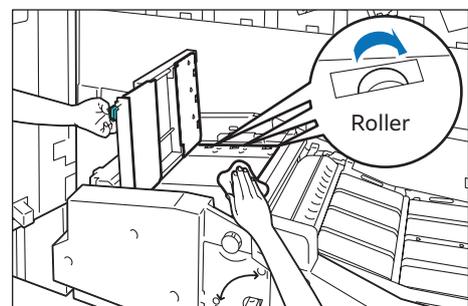


## ■ Cleaning Roller (Lever [3a])

- (1) Wipe the roller surface with the soft cloth tightly wrung out of water by turning the roller in the arrow direction.

### Important

Be sure to turn the roller in the direction of the arrow. Turning in the opposite direction may cause malfunction.



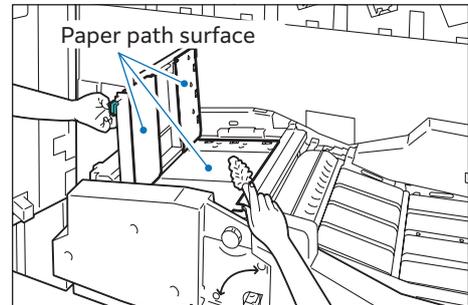
.....

## ■ Cleaning Paper Dust (Lever [3a])

**Note**

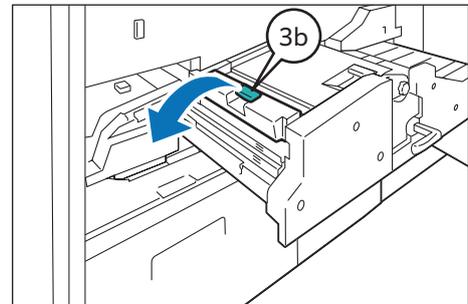
Non-woven dry type fabric can be used effectively for cleaning paper dust.

- (1) Lightly wipe paper dust off on the surface of the paper path.



- .....
6. Return lever [3a].

7. Open lever [3b] to the left, and clean behind and around lever [3b].



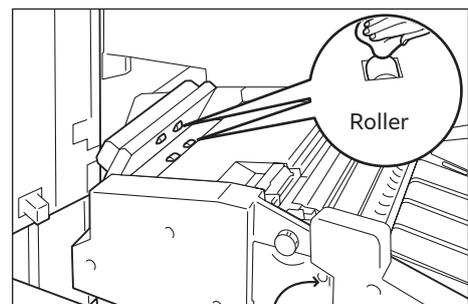
.....

## ■ Cleaning Roller (Lever [3b])

- (1) Wipe the roller surface with the soft cloth tightly wrung out of water.

**Note**

Do not press a roller during the cleaning, otherwise the roller may drop off and cause the paper jam.



## ■ Cleaning Paper Dust (Lever [3b])

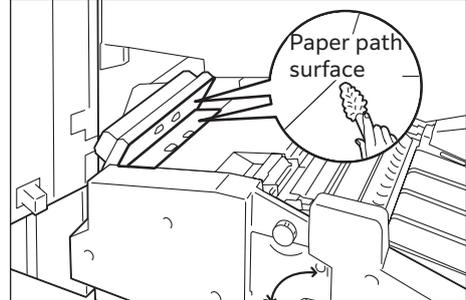
### Note

Non-woven dry type fabric can be used effectively for cleaning paper dust.

- (1) Lightly wipe paper dust off on the surface of the paper path.

### Important

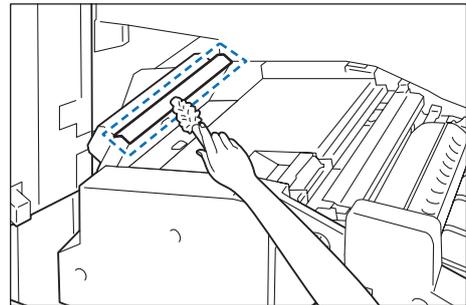
Be very careful not to deform the anti-static brush installed on the bottom of opening.



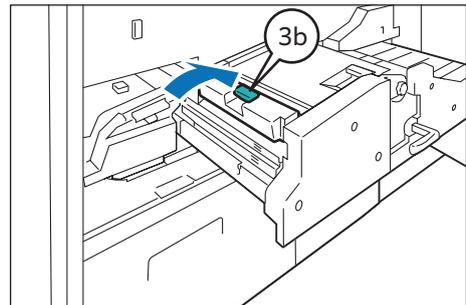
- (2) Lightly wipe paper dust off on the side of the paper path surface (in the dotted line frame).

### Note

The area in the dotted line frame is specially easy to collect paper dust. Be sure to confirm if there is no unwiped point.



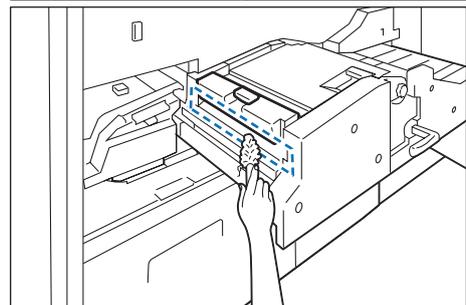
- (3) Return lever [3b].



- (4) Lightly wipe paper dust off on the left side of the transfer unit (in the dotted line frame).

### Note

The area in the dotted line frame is specially easy to collect paper dust. Be sure to confirm if there is no unwiped point.



.....

8. Push in the Transfer Unit gently. Then, return lever [3].

9. Clean belt unit 3.

**Important**

- Do not start cleaning until the machine is cooled because there is the Fusing Unit nearby that can be very hot.
- Belt unit 3 cannot be pulled out. Pay special attention when cleaning inside the machine.
- Do not put your head into the opening of the cover. It may cause injuries.
- Be careful not to damage the belt when turning it up.

(1) Wipe the paper chute unit (black area) with a dry soft cloth(①).

**Important**

Be careful not to deform the anti-static brush installed at the tip.

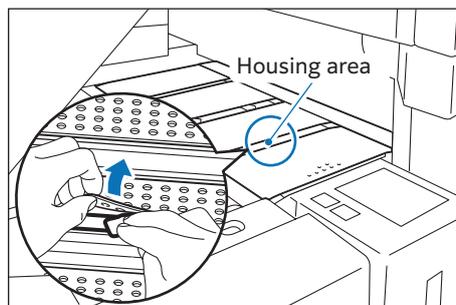
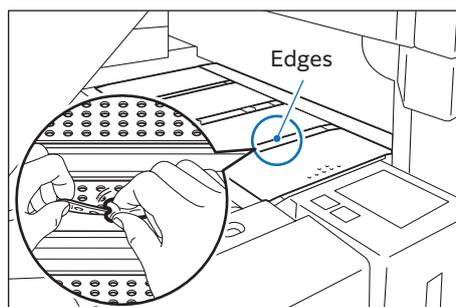
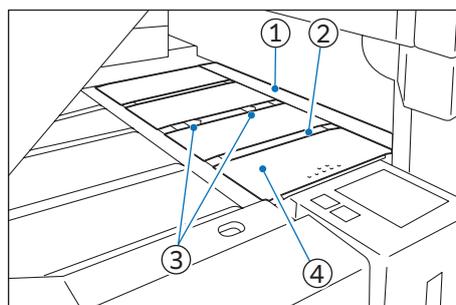
(2) Wipe the area between belts(②).

(3) Wipe the sensor area(③).

(4) Wipe the belt surfaces while turning the belt in the paper feed direction(④).

(5) Wipe the belt edges while turning the belt.

(6) Gently hold and turn up the belt and wipe the housing area behind (a metal frame around the inlet).



10. Close the covers.

# Cleaning the Printer Tower Unit

## Important

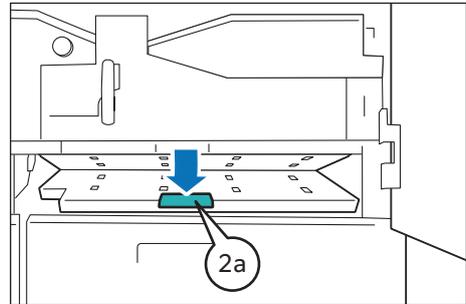
- Because the rear and underside spaces are very small, be very careful not to pinch your fingers or get injury on your body.
- Do not press a roller during the cleaning, otherwise the roller may drop off.

### 1. Open the right and left side covers of the Printer Tower Unit.

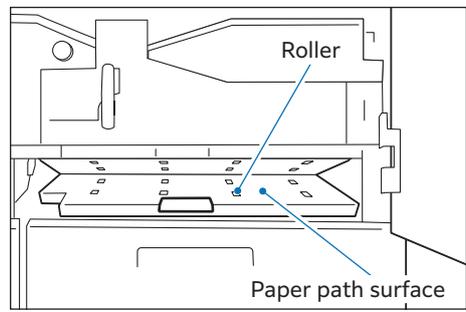
### 2. Open lever [2a] located on the right side downward.

#### Note

Before opening lever [2a], make sure lever [2b] is closed. Lever [2b] may be damaged if you open lever [2a] while lever [2b] is open.



### 3. Clean behind lever [2a].



#### ■ Cleaning Roller (Lever [2a])

- (1) Wipe the roller surface with the soft cloth tightly wrung out of water.

#### ■ Cleaning Paper Dust (Lever [2a])

#### Note

Non-woven dry type fabric can be used effectively for cleaning paper dust.

- (1) Lightly wipe paper dust off on the surface of the paper path.

#### Note

This area is wide to wipe off. Be sure to confirm if there is no unwiped point.

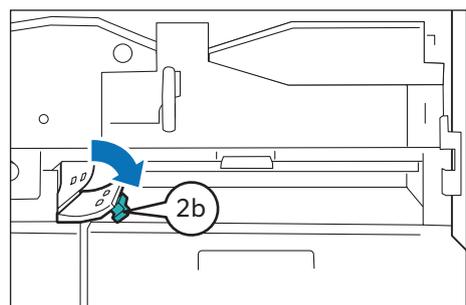
### 4. Return lever [2a].

### 5. Open lever [2b] located in the middle to the right.

#### Note

Before opening lever [2b], make sure lever [2a] is closed. Lever [2b] cannot be opened as far as lever [2a] is open.

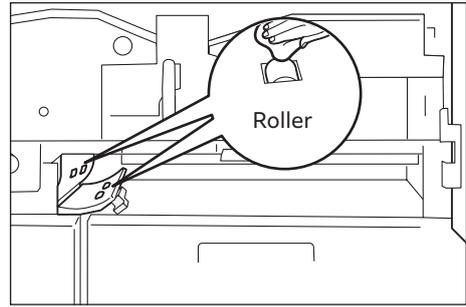
### 6. Clean behind lever [2b].



.....

### ■ Cleaning Roller (Lever [2b])

- (1) Wipe the roller surface with the soft cloth tightly wrung out of water.



.....

### ■ Cleaning Paper Dust (Lever [2b])

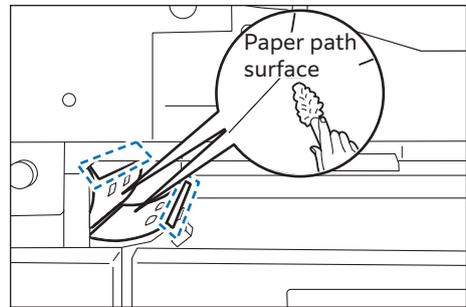
**Note**

Non-woven dry type fabric can be used effectively for cleaning paper dust.

- (1) Lightly wipe paper dust off on the surface of the paper path.
- (2) Lightly wipe paper dust off on the side of the paper path surface (in the dotted line frame).

**Note**

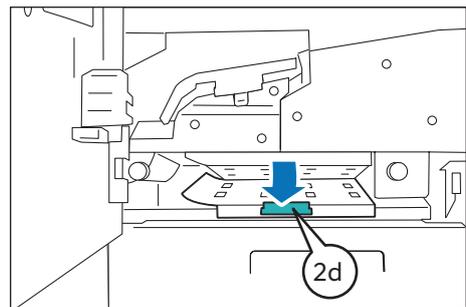
The curved paper path and its sides are specially easy to collect paper dust. Be sure to confirm if there is no unwiped point.



.....

7. Return lever [2b].

8. Open lever [2d] on the left downward.

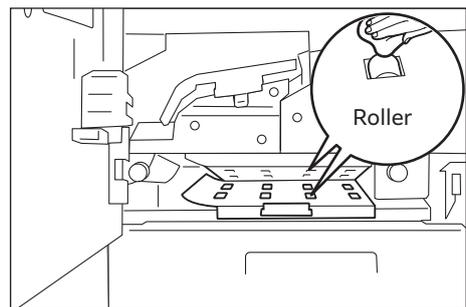


9. Clean behind lever [2d].

.....

### ■ Cleaning Roller (Lever [2d])

- (1) Wipe the roller surface with the soft cloth tightly wrung out of water.



.....

## ■ Cleaning Paper Dust (Lever [2d])

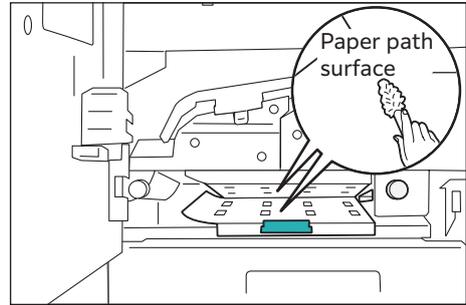
**Note**

Non-woven dry type fabric can be used effectively for cleaning paper dust.

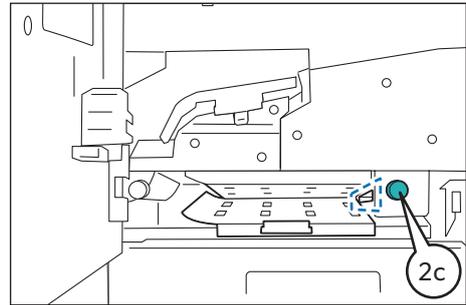
- (1) Lightly wipe paper dust off on the surface of the paper path (top and bottom).

**Note**

- The curved paper path is specially easy to collect paper dust. Be sure to confirm if there is no unwiped point.
- This area is wide to wipe off. Be sure to confirm if there is no unwiped point.

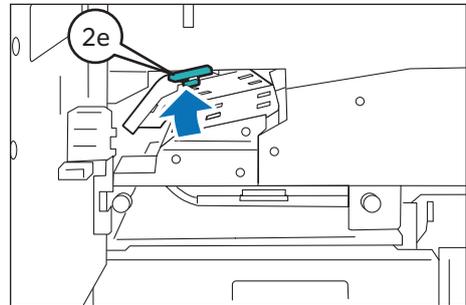


- (2) Lightly wipe paper dust off on the left side of the knob [2c] (in the dotted line frame).



- .....
10. Return lever [2d].

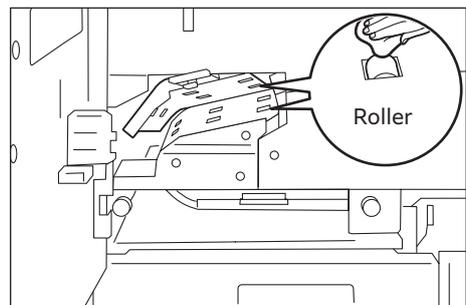
11. Open lever [2e] on the left upward.



12. Clean behind lever [2e].
- .....

## ■ Cleaning Roller (Lever [2e])

- (1) Wipe the roller surface with the soft cloth tightly wrung out of water.



.....

## ■ Cleaning Paper Dust (Lever [2e])

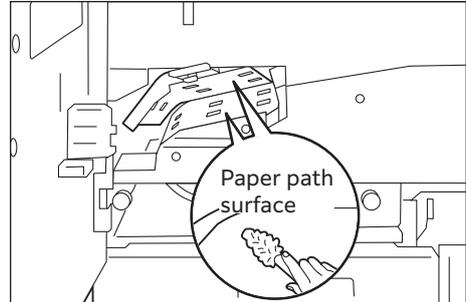
**Note**

Non-woven dry type fabric can be used effectively for cleaning paper dust.

- (1) Lightly wipe paper dust off on the surface of the paper path.

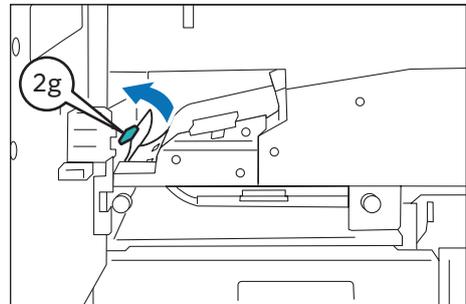
**Note**

The curved paper path is specially easy to collect paper dust. Be sure to confirm if there is no unwiped point.

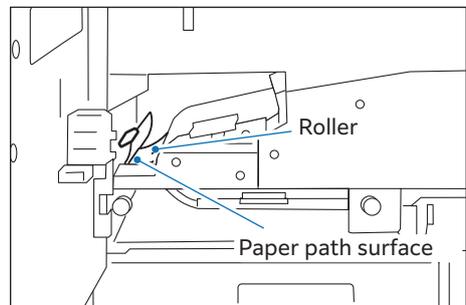


- .....
13. Return lever [2e].

14. Open lever [2g] on the left to the left.



15. Clean behind lever [2g].



.....

## ■ Cleaning Roller (Lever [2g])

- (1) Wipe the roller surface with the soft cloth tightly wrung out of water.
- .....

## ■ Cleaning Paper Dust (Lever [2g])

**Note**

Non-woven dry type fabric can be used effectively for cleaning paper dust.

- (1) Lightly wipe paper dust off on the surface of the paper path.

**Note**

The curved paper path is specially easy to collect paper dust. Be sure to confirm if there is no unwiped point.

.....

16. Return lever [2g].

17. Close the cover.

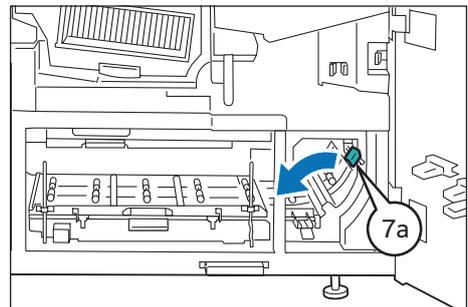
## Cleaning the Printer Output Unit

### Important

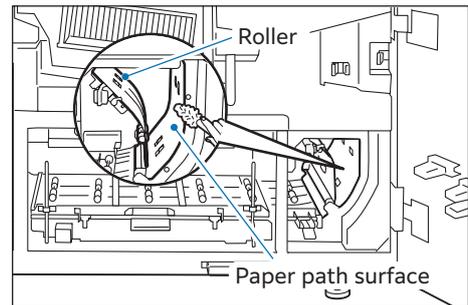
- Because the rear and underside spaces are very small, be very careful not to pinch your fingers or get injury on your body.
- Do not press a roller during the cleaning, otherwise the roller may drop off.

1. Open the right and left side covers of the Printer Output Unit.

2. Open lever [7a] on the lower right to the left.



3. Clean behind lever [7a].



.....

### ■ Cleaning Roller (Lever [7a])

(1) Wipe the roller surface with the soft cloth tightly wrung out of water.

.....

### ■ Cleaning Paper Dust (Lever [7a])

#### Note

Non-woven dry type fabric can be used effectively for cleaning paper dust.

(1) Lightly wipe paper dust off on the surface of the paper path.

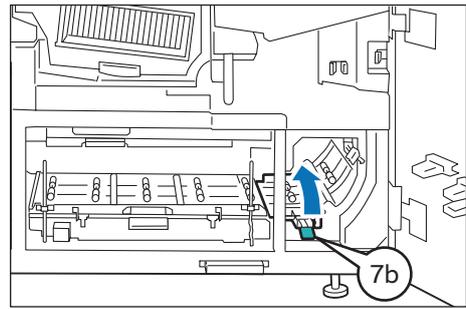
#### Note

The curved paper path is specially easy to collect paper dust. Be sure to confirm if there is no unwiped point.

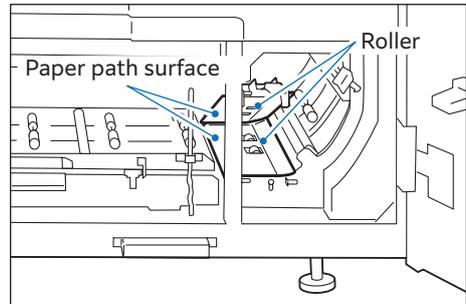
.....

4. Return lever [7a].

5. Open lever [7b] on the lower right upward.



6. Clean behind lever [7b].



.....

■ **Cleaning Roller (Lever [7b])**

(1) Wipe the roller surface with the soft cloth tightly wrung out of water.

.....

■ **Cleaning Paper Dust (Lever [7b])**

**Note**

Non-woven dry type fabric can be used effectively for cleaning paper dust.

(1) Lightly wipe paper dust off on the surface of the paper path.

**Note**

The both edges of the paper path surface (bottom) are specially easy to collect paper dust. Be sure to confirm if there is no unwiped point.

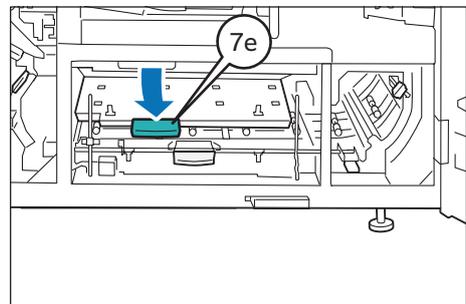
.....

7. Return lever [7b].

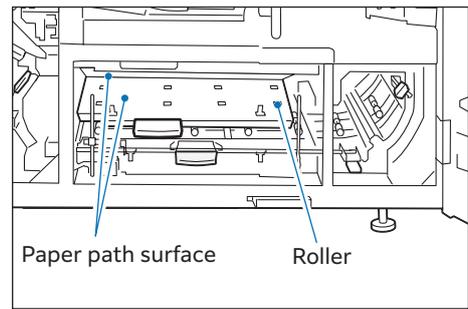
8. Open lever [7e] in the middle downward.

**Note**

To prevent interference between [7c] and [7e], before opening lever [7c], make sure lever [7e] is closed.



## 9. Clean behind lever [7e].



### ■ Cleaning Roller (Lever [7e])

(1) Wipe the roller surface with the soft cloth tightly wrung out of water.

### ■ Cleaning Paper Dust (Lever [7e])

#### Note

Non-woven dry type fabric can be used effectively for cleaning paper dust.

(1) Lightly wipe paper dust off on the surface of the paper path.

#### Note

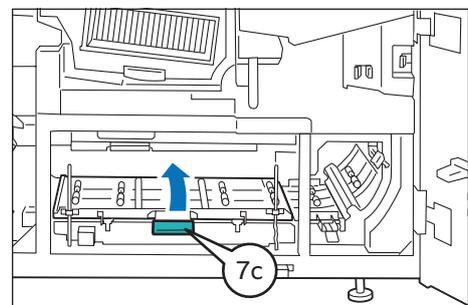
- This area is wide to wipe off. Be sure to confirm if there is no unwiped point.
- The both edges of the paper path surface (bottom) are specially easy to collect paper dust. Be sure to confirm if there is no unwiped point.

## 10. Return lever [7e].

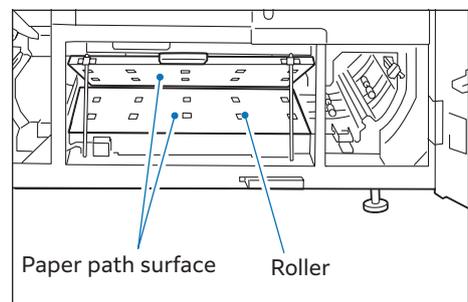
## 11. Open lever [7c] upward.

#### Note

To prevent interference between [7c] and [7e], before opening lever [7c], make sure lever [7e] is closed.



## 12. Clean behind lever [7c].



### ■ Cleaning Roller (Lever [7c])

(1) Wipe the roller surface with the soft cloth tightly wrung out of water.

.....

## ■ Cleaning Paper Dust (Lever [7c])

**Note**

Non-woven dry type fabric can be used effectively for cleaning paper dust.

- (1) Lightly wipe paper dust off on the surface of the paper path.

**Note**

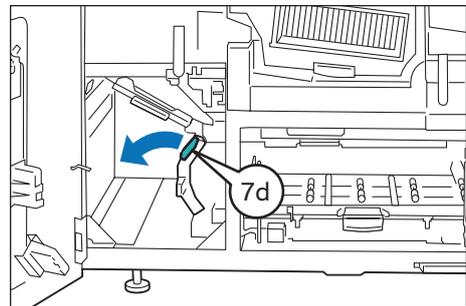
- Be very careful not to deform the anti-static brush installed on the right edge.
  - This area is wide to wipe off. Be sure to confirm if there is no unwiped point.
  - The both edges of the paper path surface (bottom) are specially easy to collect paper dust. Be sure to confirm if there is no unwiped point.
- .....

### 13. Return lever [7c].

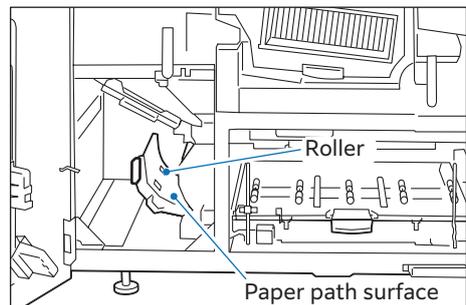
### 14. Open lever [7d] on the lower left to the left.

**Note**

Before opening lever [7d], make sure lever [7f] is closed. Lever [7d] cannot be opened as far as lever [7f] is open.



### 15. Clean behind lever [7d].



.....

## ■ Cleaning Roller (Lever [7d])

- (1) Wipe the roller surface with the soft cloth tightly wrung out of water.
- .....

## ■ Cleaning Paper Dust (Lever [7d])

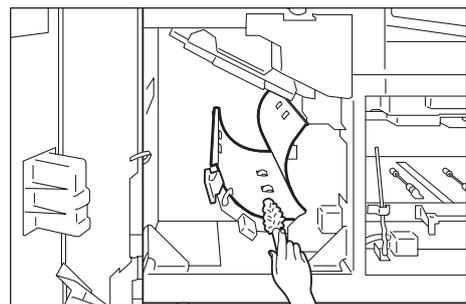
**Note**

Non-woven dry type fabric can be used effectively for cleaning paper dust.

- (1) Lightly wipe paper dust off on the surface of the paper path.

**Note**

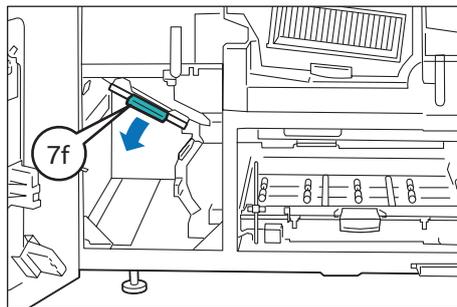
The curved paper path is specially easy to collect paper dust. Be sure to confirm if there is no unwiped point.



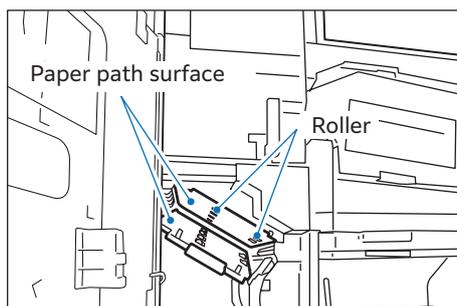
.....

16. Return lever [7d].

17. Open lever [7f] on the left downward.



18. Clean behind lever [7f].



.....

■ **Cleaning Roller (Lever [7f])**

(1) Wipe the roller surface with the soft cloth tightly wrung out of water.

.....

■ **Cleaning Paper Dust (Lever [7f])**

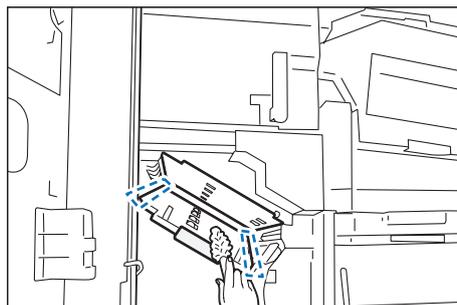
**Note**

Non-woven dry type fabric can be used effectively for cleaning paper dust.

(1) Lightly wipe paper dust off on the surface of the paper path.

**Note**

- This area is wide to wipe off. Be sure to confirm if there is no unwiped point.
- The areas in the dotted line frame are specially easy to collect paper dust. Be sure to confirm if there is no unwiped point.



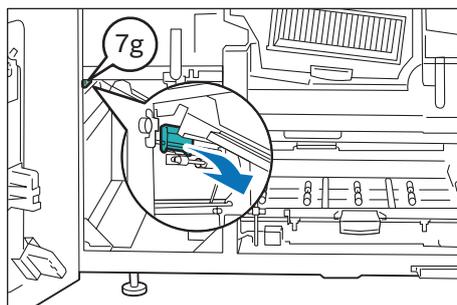
.....

19. Return lever [7f].

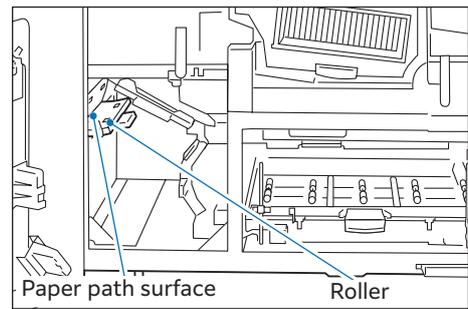
20. Open lever [7g] on the rear left under the Fusing Unit downward.

**Note**

Before opening lever [7g], make sure lever [7f] is closed. Lever [7g] cannot be opened as far as lever [7f] is open.



## 21. Clean behind lever [7g].



.....

### ■ Cleaning Roller (Lever [7g])

- (1) Wipe the roller surface with the soft cloth tightly wrung out of water.
- .....

### ■ Cleaning Paper Dust (Lever [7g])

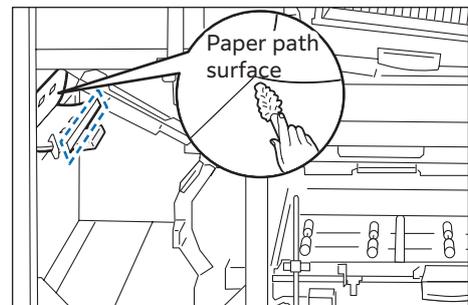
**Note**

Non-woven dry type fabric can be used effectively for cleaning paper dust.

- (1) Lightly wipe paper dust off on the surface of the paper path.
- (2) Lightly wipe paper dust off on the side of the paper path surface (in the dotted line frame).

**Note**

The curved paper is specially easy to collect paper dust. Be sure to confirm if there is no unwiped point.



.....

## 22. Return lever [7g].

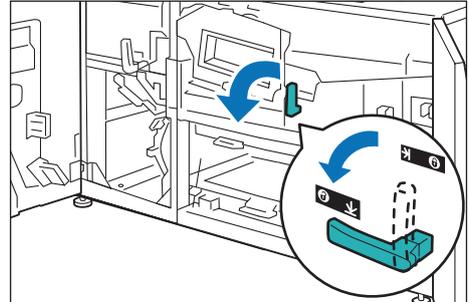
## 23. Close the covers.

# Cleaning the Cooling Unit

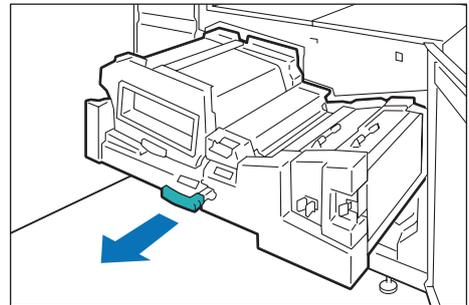
## Important

Do not press a roller during the cleaning, otherwise the roller may drop off.

1. Open the right and left covers of the Printer Output Unit.
2. Turn lever [6] in the unlocking direction (toward the opened-lock mark).



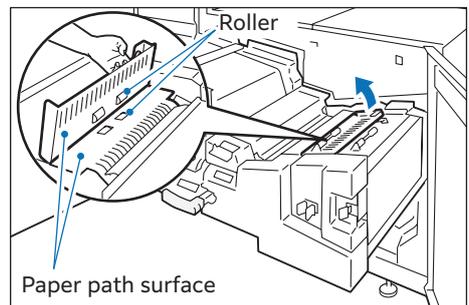
3. Grip lever [6] and gently pull out the Cooling Unit toward you until it stops.



4. Locate the handle on the left side cover of the paper path, which is on the upper right of the Cooling Unit. Then, move the handle up to the upper left and clean behind the cover.

### Note

- The handle is on the far side of the cover.
- Because the cover cannot stay at a fixed position, keep holding it up with one hand during the cleaning.



## ■ Cleaning Roller (the left side cover of the paper path)

- (1) Wipe the roller surface with the soft cloth tightly wrung out of water.

## ■ Cleaning Paper Dust (the left side cover of the paper path)

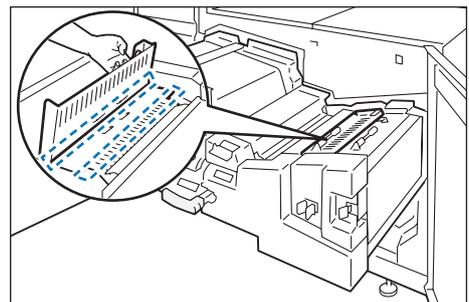
### Note

Non-woven dry type fabric can be used effectively for cleaning paper dust.

- (1) Lightly wipe paper dust off on the surface of the paper path.

### Note

The areas in the dotted line frame are specially easy to collect paper dust. Be sure to confirm if there is no unwiped point.

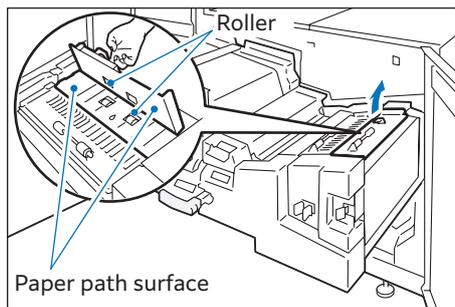


5. Close the left side cover of the paper path by holding the handle.

6. Locate the handle on the right side cover of the paper path, which is on the upper right of the Cooling Unit. Then, move the handle up to the upper right and clean behind the cover.

**Note**

- The handle is on the far side of the cover.
- Because the cover cannot stay at a fixed position, keep holding it up with one hand during the cleaning.



■ **Cleaning Roller (the right side cover of the paper path)**

(1) Wipe the roller surface with the soft cloth tightly wrung out of water.

■ **Cleaning Paper Dust(the right side cover of the paper path)**

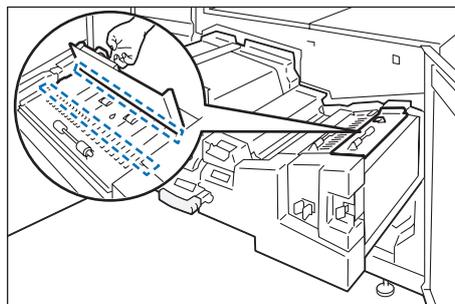
**Note**

Non-woven dry type fabric can be used effectively for cleaning paper dust.

(1) Lightly wipe paper dust off on the surface of the paper path.

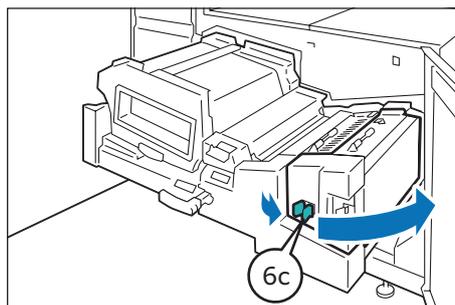
**Note**

The areas in the dotted line frame are specially easy to collect paper dust. Be sure to confirm if there is no unwiped point.

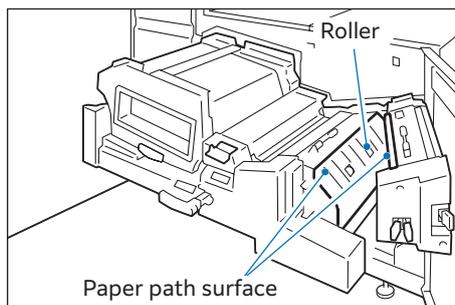


7. Close the right side cover of the paper path by holding the handle.

8. Open lever [6c] on the front right side to the right.



9. Clean behind lever [6c].



.....

### ■ Cleaning Roller (Lever [6c])

(1) Wipe the roller surface with the soft cloth tightly wrung out of water.

.....

### ■ Cleaning Paper Dust (Lever [6c])

**Note**

Non-woven dry type fabric can be used effectively for cleaning paper dust.

(1) Lightly wipe paper dust off on the surface of the paper path.

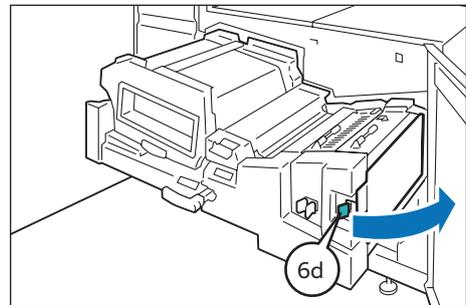
**Note**

The curved paper path is specially easy to collect paper dust. Be sure to confirm if there is no unwiped point.

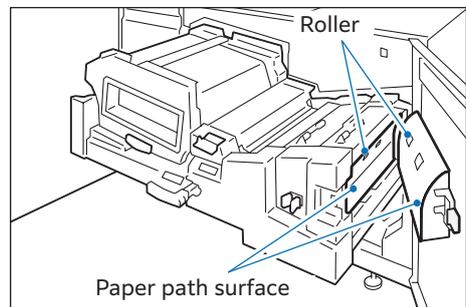
.....

10. Return lever [6c].

11. Open lever [6d] to the right.



12. Clean behind lever [6d].



.....

### ■ Cleaning Roller (Lever [6d])

(1) Wipe the roller surface with the soft cloth tightly wrung out of water.

.....

### ■ Cleaning Paper Dust (Lever [6d])

**Note**

Non-woven dry type fabric can be used effectively for cleaning paper dust.

(1) Lightly wipe paper dust off on the surface of the paper path.

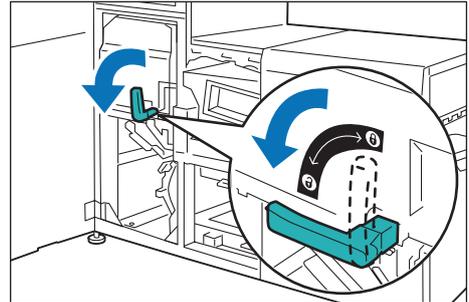
**Note**

The curved paper path is specially easy to collect paper dust. Be sure to confirm if there is no unwiped point.

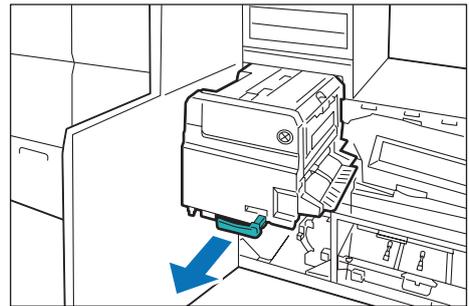
- 13. Return lever [6d].
- 14. Push in the Cooling Unit gently. Then, return lever [6].
- 15. Close the covers.

## Cleaning the Fusing Unit

1. Open the left cover of the Printer Output Unit.
2. Turn lever [5] in the unlocking direction (toward the opened-lock mark).



3. Gripping lever [5], gently pull out the Fusing Unit toward you until it stops.



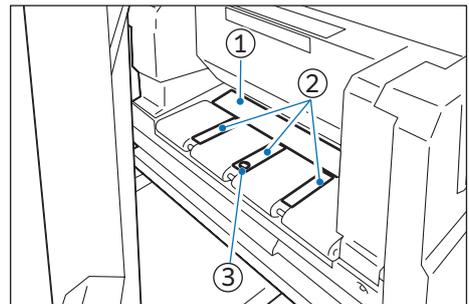
4. Clean Belt Unit 4 on the left side of the Fusing Unit.

- (1) Wipe the paper chute unit (black area) with a dry soft cloth (①).

### Important

Be careful not to deform the anti-static brush installed at the tip.

- (2) Wipe the area between belts (②).
- (3) Wipe the sensor area (③).



5. Push in the Fusing Unit gently. Then, return lever [5].
6. Close the cover.

# 5 Appendix

## Main specifications

This section lists main specifications of the machine. Note that the specifications and the appearance of the product are subject to change without prior notice.

### Note

We are unable to guarantee the image quality or feedability of the following papers. Regarding we recommend SHARP paper. Please contact your dealer or nearest SHARP Service Department concerning our paper.

### Refer

- For specifications of the optional units 'Optional Units Manual'.
- For specifications of Print Servers, refer to customer documentation supplied with Print Servers.

## Printer Unit + Catch Tray

Item	Specification			
Type	Console			
Color capability	Full color			
Printing resolution	2,400 dpi x 2,400 dpi			
Halftone (printable colors)	256 color graduation for each color (16,700,000 colors)			
Warm-up time	Maximum 420 seconds (at room temperature of 20°C)			
Print speed (When 1-sided printing and continuous modes, 52 to 400 g/m <sup>2</sup> , uncoated paper)	A4	120 impressions/minute		
	A3	60 impressions/minute		
<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> <b>Note</b> <ul style="list-style-type: none"> <li>• Relationships between data content and features may cause decrease of the continuous printing speed.</li> <li>• Continuous printing may slow due to Automatic image quality adjustment.</li> <li>• The continuous printing speed may be reduced due to the jobs with mixed paper size/type, or switching of Trays.</li> <li>• Due to some of the restrictions on the Print Server, the continuous printing speed can fall below the specification levels.</li> <li>• If one of the following conditions is true, in a continuous printing of a single job, the print speed can fall below the specification levels due to delay caused by adjustment of image quality and/or paper feeding speed. <ul style="list-style-type: none"> <li>- The print system determines to make adjustment of image quality to optimize the performance balance between print image generation and toner fusing on paper.</li> <li>- A job needs to be printed with mixed paper sizes and/or paper types. (This includes cases where Automatic Tray Switching is performed for the same size and type of paper.)</li> </ul> </li> <li>• Printing on long paper can cause decreased continuous printing speed.</li> </ul> </div>				
Paper size Paper weight	Paper size	Standard size	Max	SRA3 (320 x 450 mm), 12.6 x 19.2" (320 x 488 mm)
			Min	A6
		Custom size (mm)	Width	98 to 330
			Length	148 to 488
	Paper weight (g/m <sup>2</sup> )	52 to 400		
<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> <b>Refer</b>  "Supported Paper" (p.9) </div>				
Tray capacity (sheets)	2,100 x 2 Trays (Max 4,200)			

Item	Specification	
Noise	Standby	6.87 B
	Running	8.22 B
<div style="border: 1px solid black; padding: 2px; display: inline-block;"><b>Note</b></div> <ul style="list-style-type: none"> <li>• ISO 9296 compliant.</li> <li>• B: Declared A-weighted sound power level (LWAd)</li> </ul>		
	Power supply	
Maximum power consumption	9 kW	
Dimensions (mm)	Printer Unit	Width 2,995 x Depth 1,104 x Height 1,786
	Offset Catch Tray	Width 406 x Depth 393 x Height 184
	Long Catch Tray	Width 512 x Depth 396 x Height 308 (with Banner Print Extension Kit: Width 941 x Depth 396 x Height 495)
Space requirement (mm)	Width 4,475 x Depth 3,436 (Minimum configuration: Printer Unit + Offset Catch Tray)	
Weight (kg)	Printer Unit	1,560
	<div style="border: 1px solid black; padding: 2px; display: inline-block;"><b>Note</b></div> Operation PC (computer, keyboard, mouse and monitor) is excluded.	
	Offset Catch Tray	4
	Long Catch Tray	4 + Banner Print Extension Kit: 1

# Safety Notes

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## Refer

Also refer to 'Setup Manual'.

## Product Installation



To keep this product in a good performance and condition, always use it in the following environment:

Temperature: 10 to 32°C

Humidity: 15 to 85%

When this product is left in a chilly room and the room is rapidly warmed up by heater, dew condensation may form inside this product and cause a partial deletion on printing.

## Regulation

Product Safety Certification (CB)

This product is certified by the following agency using the safety standards listed.

Agency: Standard

JQA: IEC60950-1:ed. 2, IEC62368-1:2014, IEC62368-1:2018

## Consumable

### WARNING



Store all consumables in accordance with the instructions given on its package or container.



Never use a vacuum cleaner for spilled toner and residual toner in this product, toner cartridge or waste toner container. It may catch fire by electric sparks inside a vacuum cleaner and cause explosion. Use a broom or a wet cloth to wipe off the spills. If you spill a large volume of toner, contact your dealer or nearest SHARP Service Department.



Never throw a toner cartridge into an open flame. Remaining toner in the cartridge may catch fire and cause burn injuries or explosion. If you have a used toner cartridge no longer needed, contact your dealer or nearest SHARP Service Department for its disposal.



Never throw a waste toner container into an open flame. Toner may catch fire and cause burn injuries or explosion. If you have a used waste toner container no longer needed, contact your dealer or nearest SHARP Service Department for its disposal.

### CAUTION



Keep toner cartridges out of the reach of children. If a child accidentally swallows toner, spit it out, rinse mouth with water, drink water and consult a physician immediately.



When replacing toner cartridges, be careful not to spill the toner. In case of any toner spills, avoid contact with clothes, skin, eyes and mouth as well as inhalation.



- If toner spills onto your skin or clothing, wash it off with soap and water.
- If you get toner particles in the eyes, wash it out with plenty of water for at least 15 minutes until irritation is gone. Consult a physician if necessary.
- If you inhale toner particles, move to a fresh air location and rinse your mouth with water.
- If you swallow toner, spit it out, rinse your mouth with water, drink plenty of water and consult a physician immediately.

## Environment

- Proper disposal is required for consumables no longer needed.  
Do not open consumables. Return them to your dealer or nearest SHARP Service Department.

## •Support

SHARP will store the spare parts necessary to maintain the function of the product for 7 years after the production termination of the product.

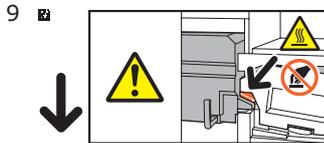
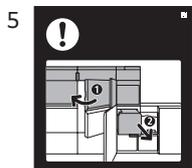
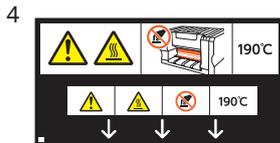
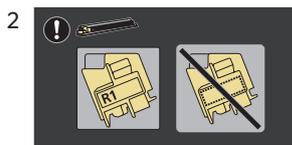
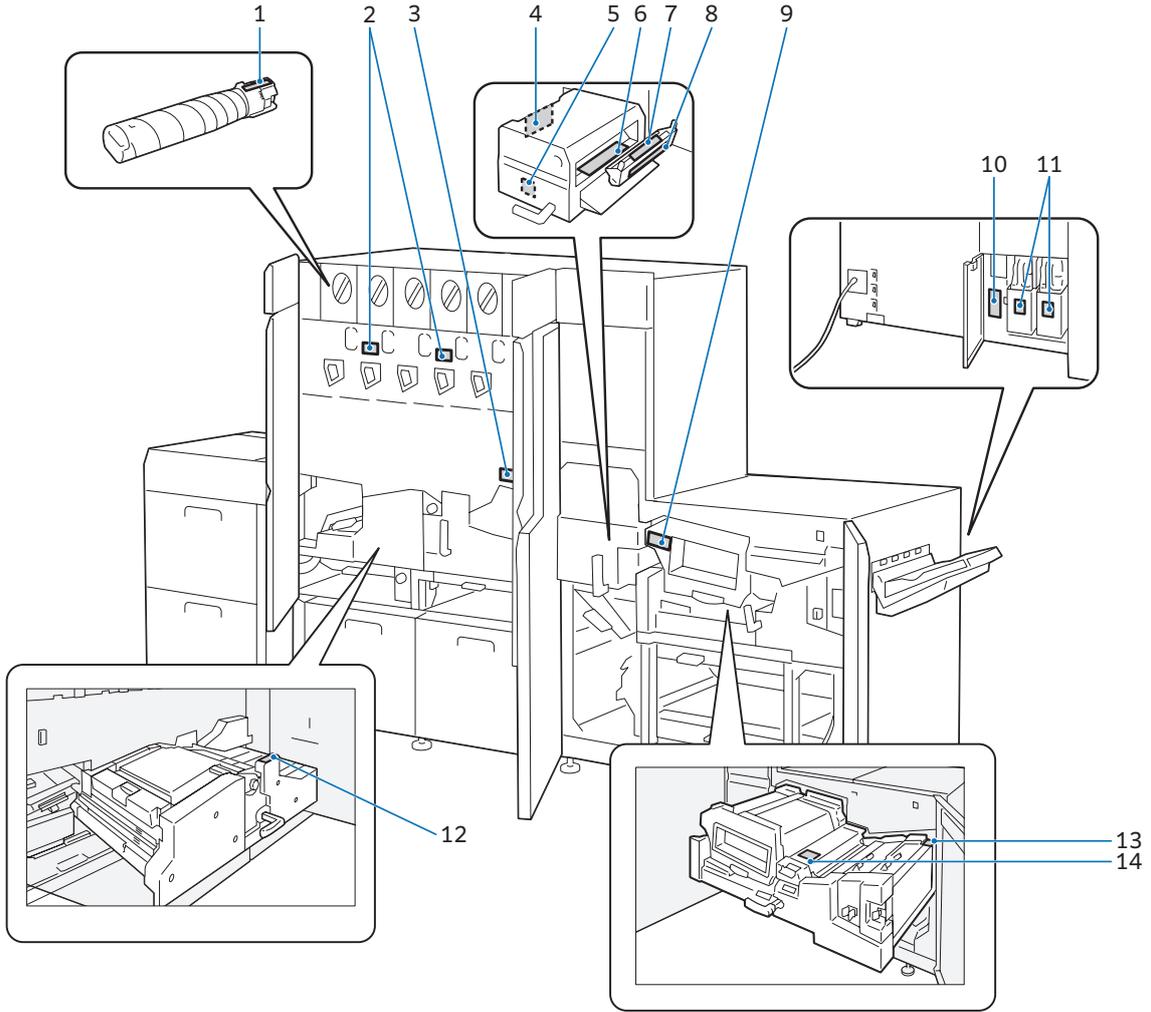
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# Caution Labels



## Symbols Marked

Some of the following symbols may not be used depending on the model.

	DANGER, WARNING, and CAUTION		Do not touch		Power/power saving button
	Electric shock				Instructions
	Hot surface		Do not throw a toner cartridge into an open flame		Risk to single worker
  	Pinched fingers		Do not throw waste toner container into an open flame		Cooling
			Do not use folded paper		Elapsed time
			Do not use creased paper		Coated paper
 	Sharp edge hazard		Do not use curled paper		Long paper
			Do not use ink jet printer paper		Face print surface up
 	Rotating Parts Hazard		Do not use transparency films for full color	 	Set the postcard in landscape orientation
			Paper jam		

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