

Container Stacker User's Guide

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Revision Table for manual

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NOTICE TO USER

In an effort to meet the demands of a rapidly changing technology, the manufacturer is continually developing new features and functions to meet your changing printing or printer needs. As a result, this manual may not exactly reflect future changes made to the product. Please be sure to consult all manual updates or addenda when using this product's documentation.

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Introduction

This manual provides essential information to operate the Container Stacker.
Carefully read and understand the safety instructions in this manual before starting operation. Keep this manual on hand for reference.

The material in this document is subject to change without notice.

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SAFETY SUMMARY

1. General Safety Guidelines

Before operating the machine, read the following instructions carefully:

- Follow all the operating procedures provided in this manual.
- Pay special attention to and follow all the hazard warnings on the machine and in the manual. Failure to do so can cause injury to yourself or damage to the machine.
- The hazard warnings which appear on the warning labels on the machine or in the manual have one of the following alert headings consisting of an alert symbol and a signal word, DANGER, WARNING, or CAUTION.

- | | |
|---|--|
|  | DANGER: indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury. |
|  | WARNING: indicated a potentially hazardous situation which, if not avoided, can result in death or serious injury. |
|  | CAUTION: indicates a hazardous situation which, if not avoided, will or can result in minor or moderate injury, or serious damage of product. |



The alert symbol shown left precedes every signal word for hazard warnings, and appears in safety related descriptions in the manual.

- The signal word 'NOTICE' is used to present warnings which are not directly related to personal injury hazards.
 - Do not perform any operation or action in any way other than as provided in this manual. When in doubt, call the designated field engineer.
 - Keep in mind that the hazard warnings in this manual or on the machine cannot cover every possible case, as it is impossible to predict and evaluate all circumstances beforehand.
- Be alert and use your common sense.

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SAFETY SUMMARY

2. Hazard Warning Statements

The following are the hazard warning statements contained in this manual.

2.1 WARNING Statement

In the event of an emergency, POWER OFF the printer by turning the Power Switch to “O”.

(section 1.5, page 1-6)

2.2 CAUTION Statement

Wait at least 5 seconds to power on the printer after powering off.

When the printer cannot be powered on, POWER OFF the printer and wait at least 30 seconds. Then power on the printer again.

(section 1.5, page 1-6)

Do not lift or move too heavy basket to avoid injury.

(section 3.2, page 3-3, section 4.2, page 4-2)

Move the table down to the lowermost position (the lamp is slow blink) and turn off the power switch before cleaning.

(section 4.2, page 4-2)

Section 1. Summary of Container Stacker

1.1 Summary of this section

This section describes the following:

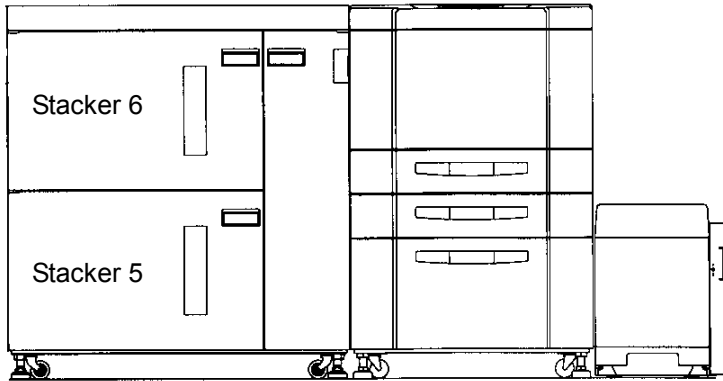
- Configuration of Container Stacker
- Location of components
- Covers
- Powering on the printer
- Installation space

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1.2 Configuration of Container Stacker

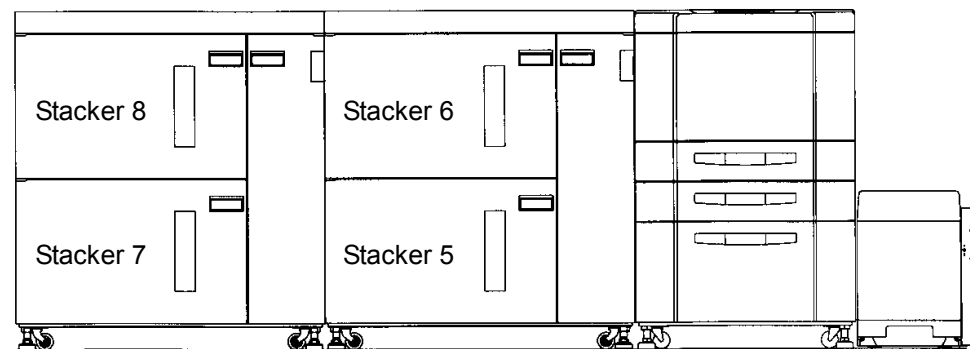
*: These figures show a connection of the DDP70 and the standard finisher designed for the DDP70.

(1) DDP70/92/184+Container Stacker 1(sample tray)



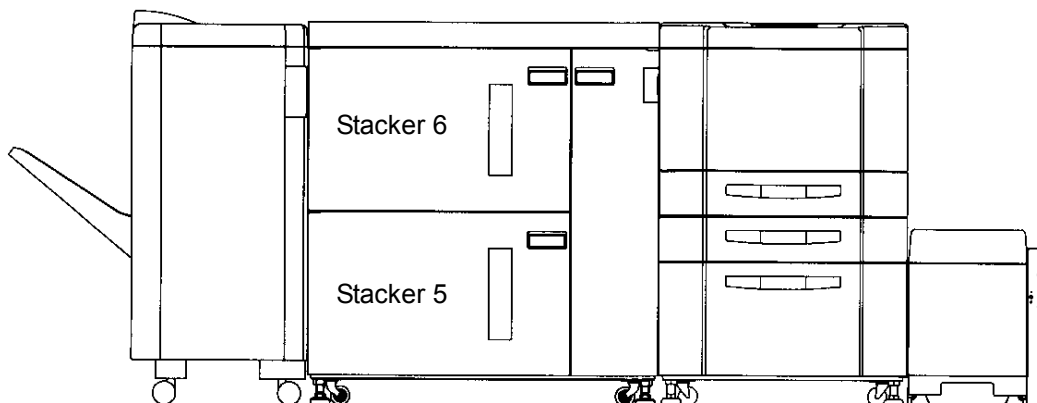
(Container Stacker 1)

(2) DDP70/92/184+Container Stacker 2(through path unit)+Container Stacker 1(sample tray)



(Container Stacker 1) (Container Stacker 2)

(3) DDP70/92/184+Container Stacker 2(through path unit)+Standard finisher

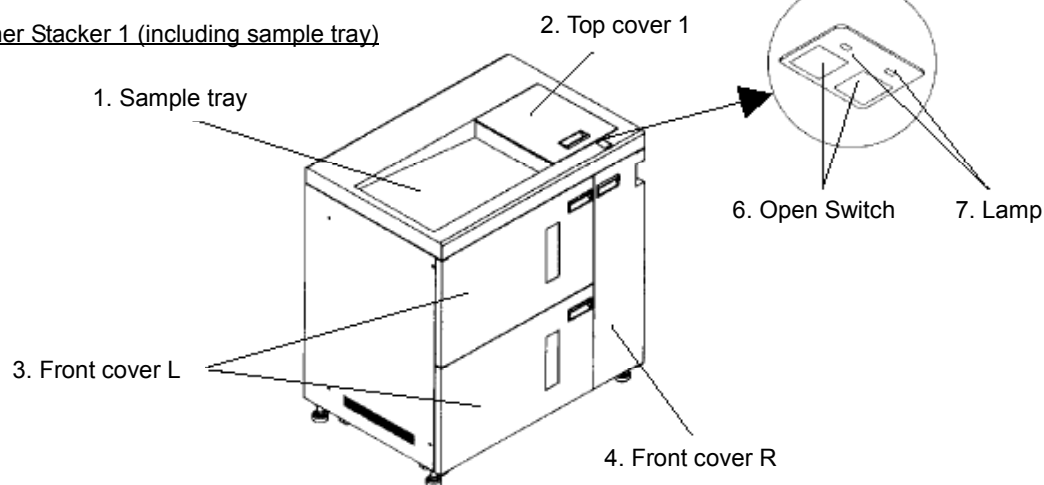


(Container Stacker 2)

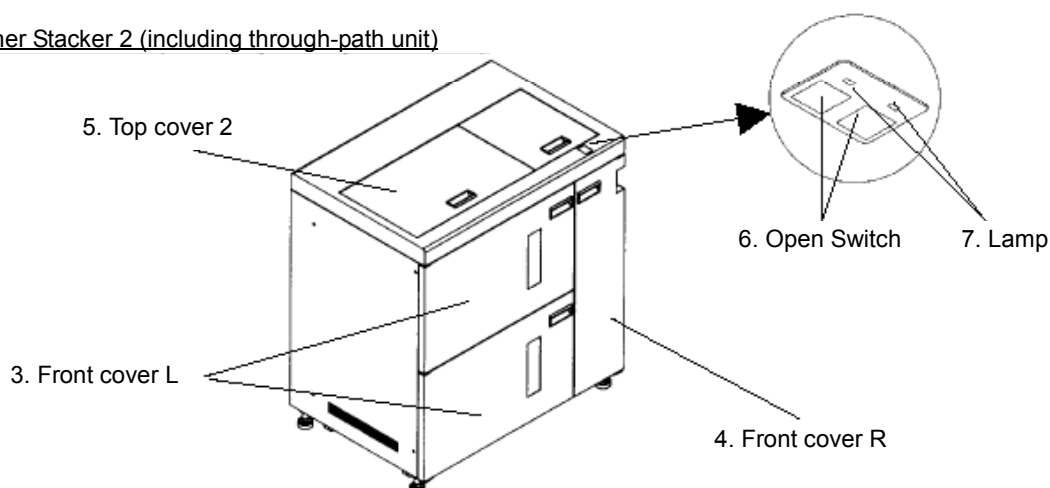
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1.3 Component Locations

Container Stacker 1 (including sample tray)



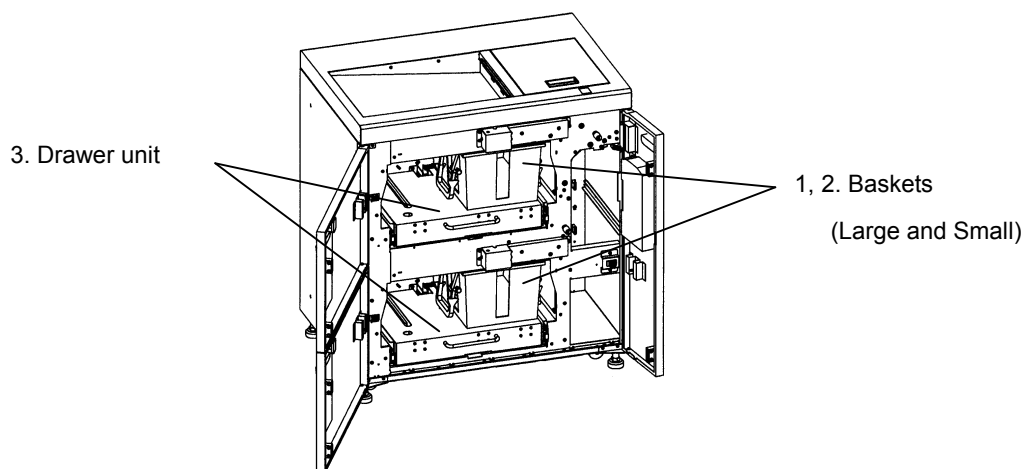
Container Stacker 2 (including through-path unit)



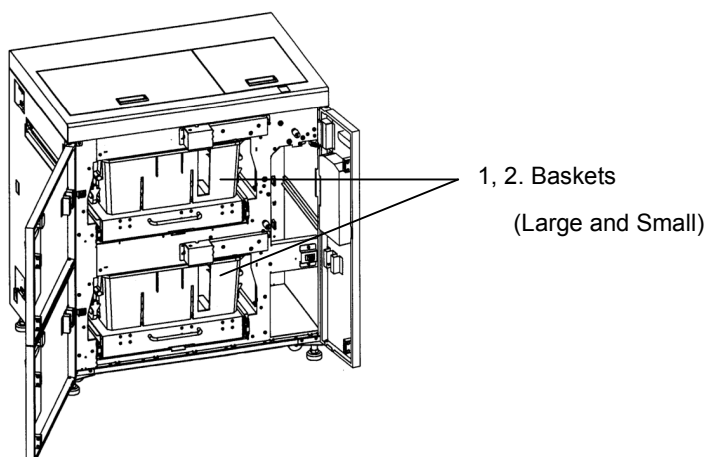
No.	Component	Description
1	Sample tray	Holds up to 100 sheets of paper.
2	Top cover 1	Open this cover if a paper jam occurs.
3	Front cover L	Open this cover to remove paper.
4	Front cover R	Open this cover if a paper jam occurs.
5	Top cover 2	Open this cover if a paper jam occurs.
6	Open Switch (Upper or Lower)	Press to open the upper or lower stacker cover. When you press the switch, the table inside descends and the cover is unlocked. If the stacker is receiving paper and automatic stacker selection is enabled, output switches to the next available stacker before the Open switch takes effect. When the stacker is specifically selected (via the OCP, Web, or in coming data stream), the Open switch takes effect when the job finishes or the stacker is no longer receiving paper.
7	Lamp (Upper or Lower Stacker)	<p>Solid light: The stacker is in use (receiving paper). The front cover remains locked until the Open switch is pressed.</p> <p>Fast blink: The table inside the stacker is descending. The front cover is locked.</p> <p>Slow blink: The stacker is full or if the Open switch has been pressed. The front cover will be unlocked only when the Open switch has been pressed.</p> <p>Not lit: The stacker is not in use. The front cover remains locked until the Open switch is pressed.</p>

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Container Stacker 1 (including sample tray)



Container Stacker 2 (including through path unit)



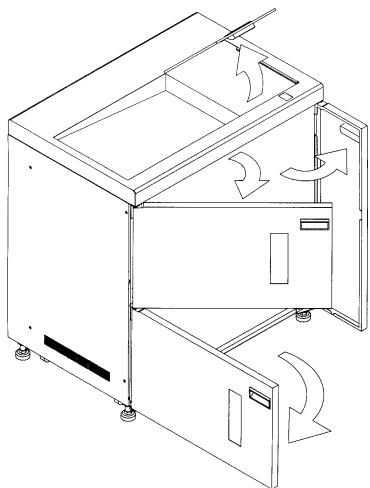
No.	Component	Description
1	Small basket	Usable paper size (size: A4(LEF), B5(LEF), letter(LEF), or custom (width: 182 to 305 mm, length: 182 to 216 mm))
2	Large basket	Usable paper size (size: A4(LEF/SEF), A3(SEF), B5(LEF/SEF), B4(SEF), letter(LEF/SEF), legal(SEF), ledger(SEF) or custom (width: 182 to 305 mm, length: 182 to 432 mm))
3	Drawer unit	Draw the drawer unit to remove papers.

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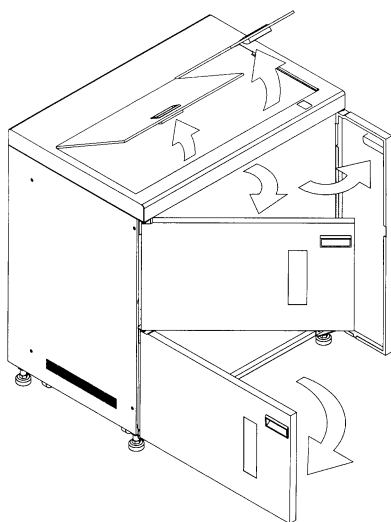
1.4 Covers

Open each cover according to the directions described below.

Container Stacker 1 (including sample tray)



Container Stacker 2 (including through path unit)



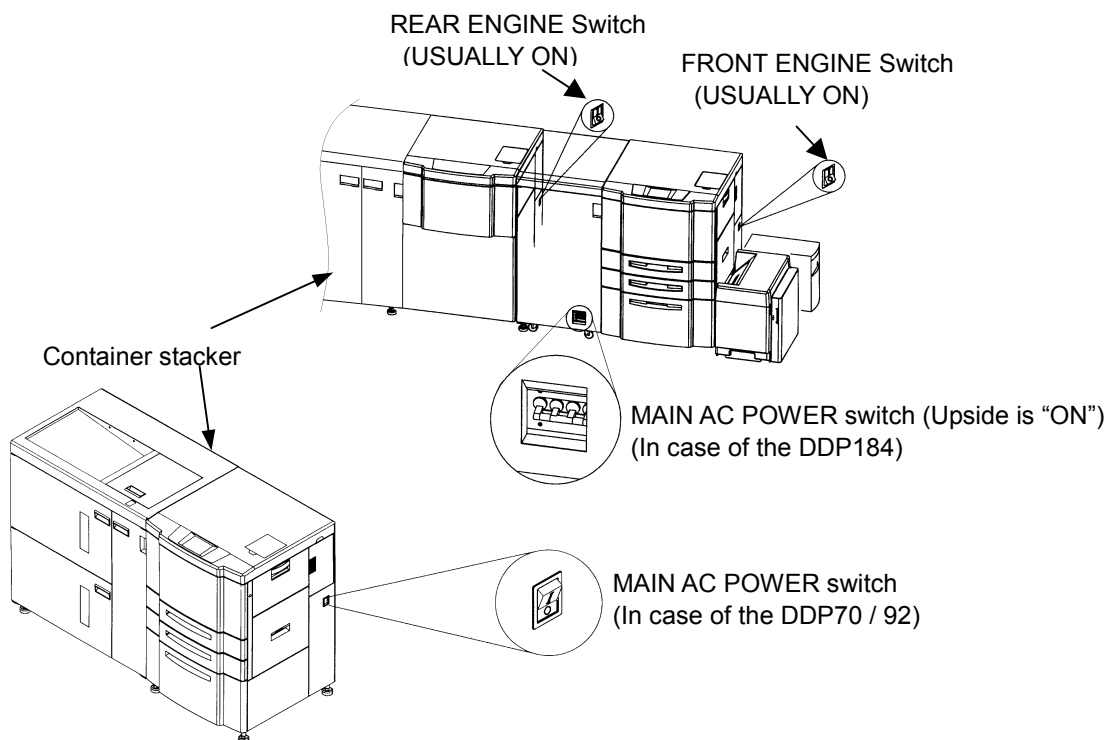
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1.5 Powering on the Printer

The switch of the power supply "on/off" of the printer is at the position shown in the figure below.

In case of the DDP70/92, The mark on the switch represents the characters "O" for off and "I" for on.

In case of the DDP184, when a main power supply switch is raised up, it is shown as ON. and when it is lowered to down, it is shown as OFF.



When the printer is powered on, the printer and the finisher go through a power-up sequence that takes approximately 4 minutes. During the power-up sequence, the printer runs a series of internal tests.

CAUTION

Wait at least 5 seconds to power on the printer after powering off. When the printer cannot be powered on, POWER OFF the printer and wait at least 30 seconds. Then power on the printer again.

WARNING

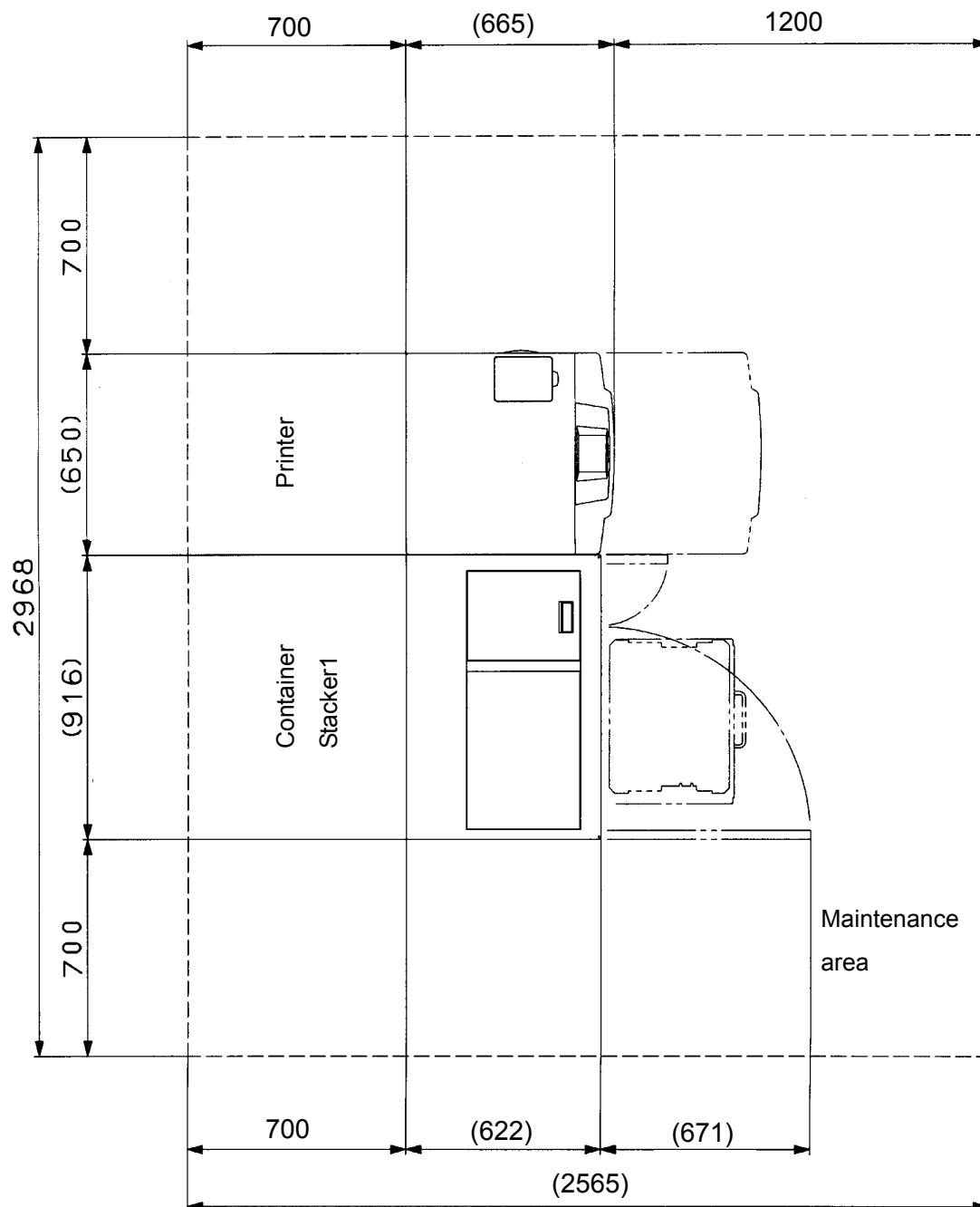
In the event of an emergency, POWER OFF the printer by turning the Power Switch to "O".

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1.6 Installation space

Space required for installation of this container stacker is shown below. For safe and comfortable use of this container stacker, install the container stacker in a well-ventilated area and leave enough space around it. Ensure that the air inlet and the air outlet of the fan remain unobstructed to prevent deterioration of print quality or damage to the machine.

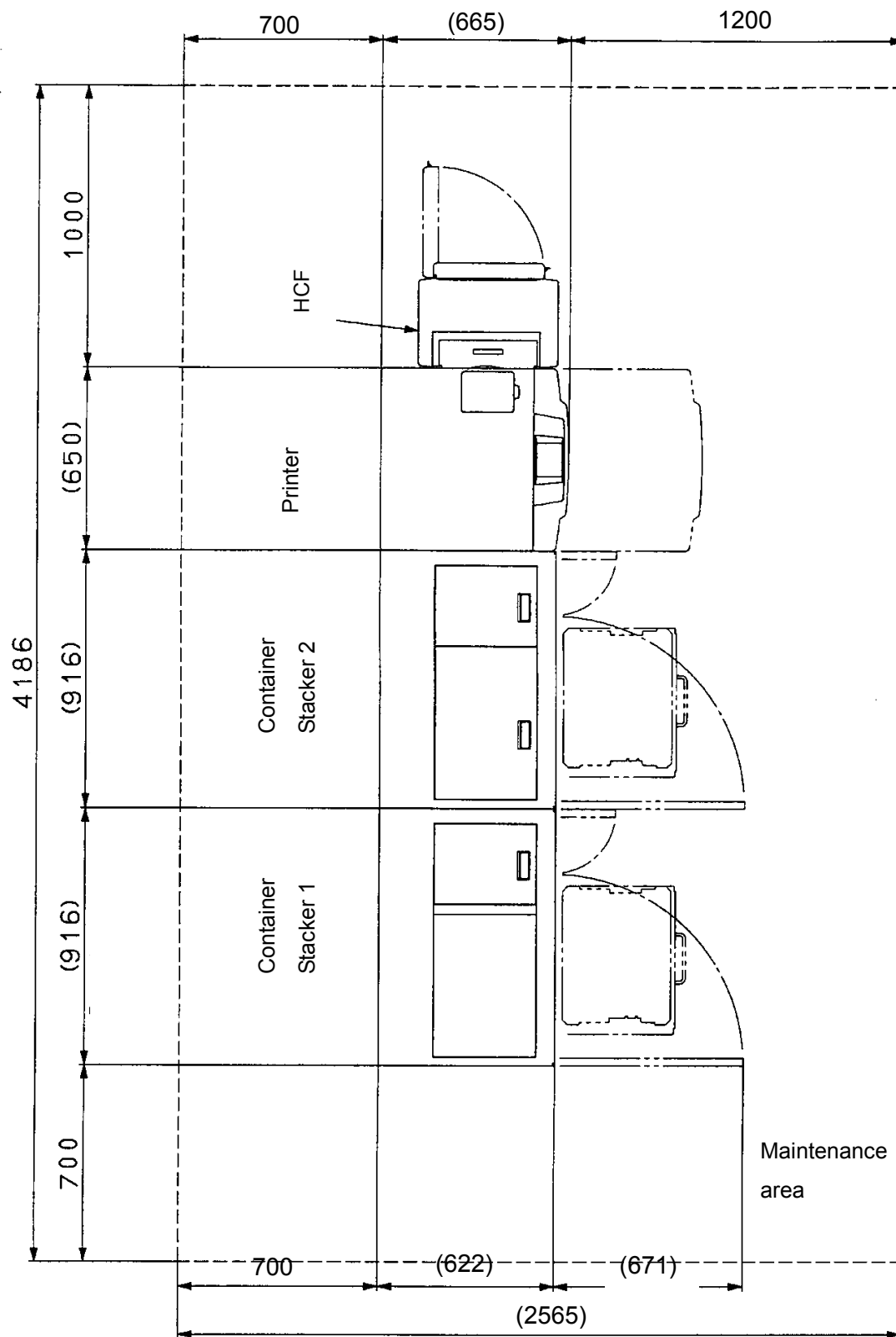
(1) DDP70/92+Container Stacker 1(sample tray)



Unit : mm

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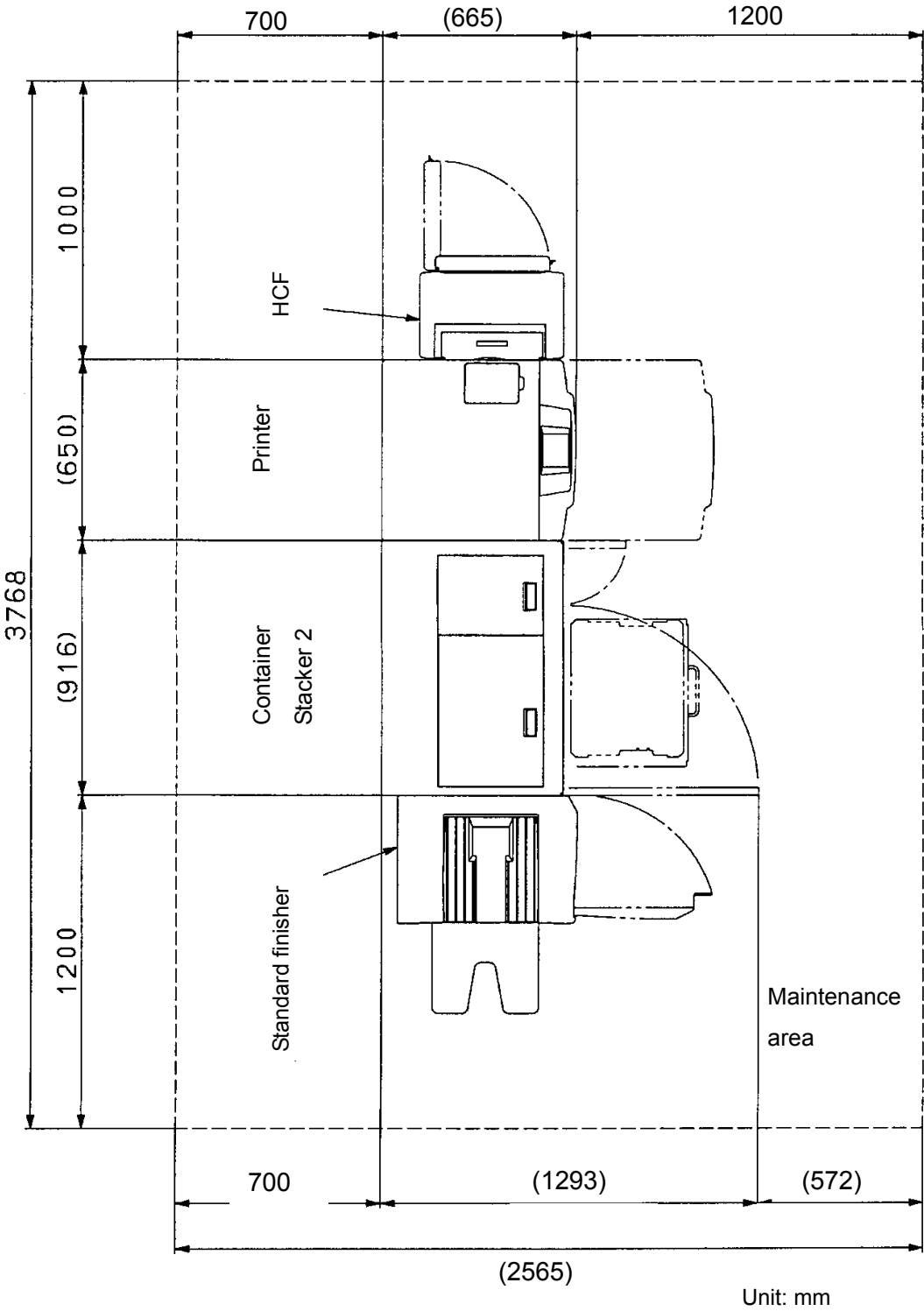
(2) DDP70/92+Container Stacker 2(through path unit)+Container Stacker 1(sample tray)



Unit : mm

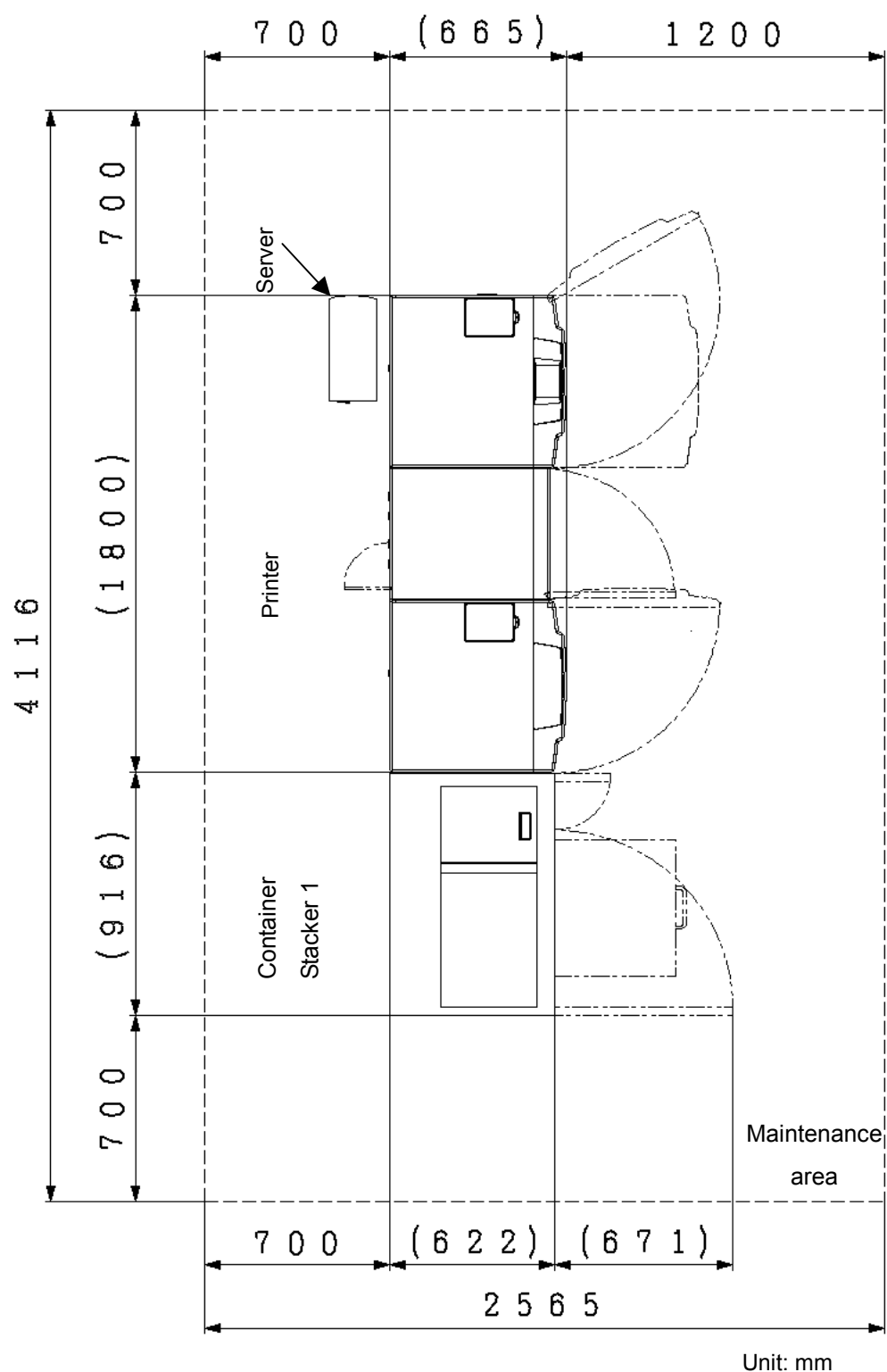
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(3) DDP70/92+Container Stacker 2(through path unit)+Standard finisher



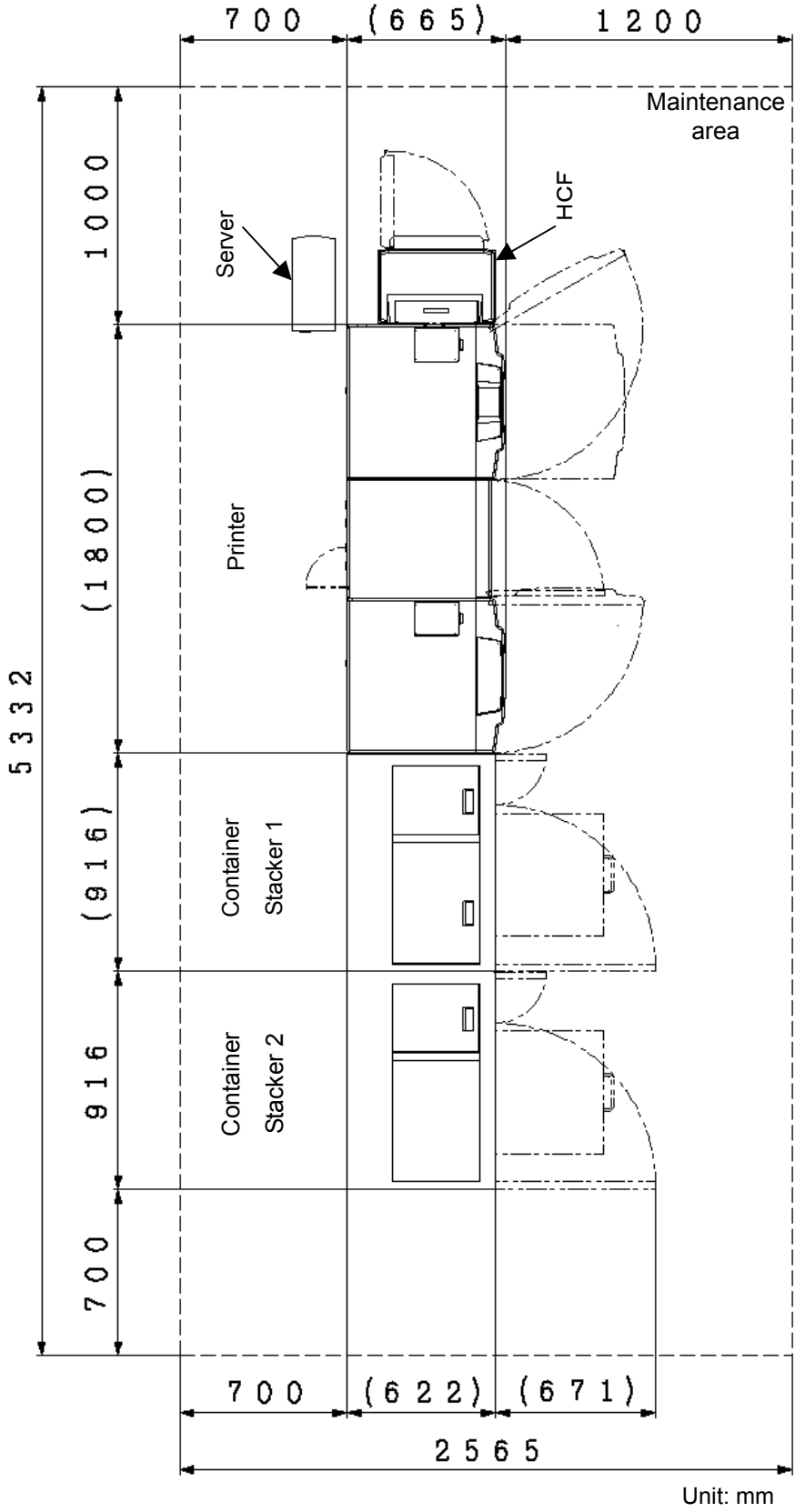
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(4) DDP184+Container Stacker 1(sample tray)



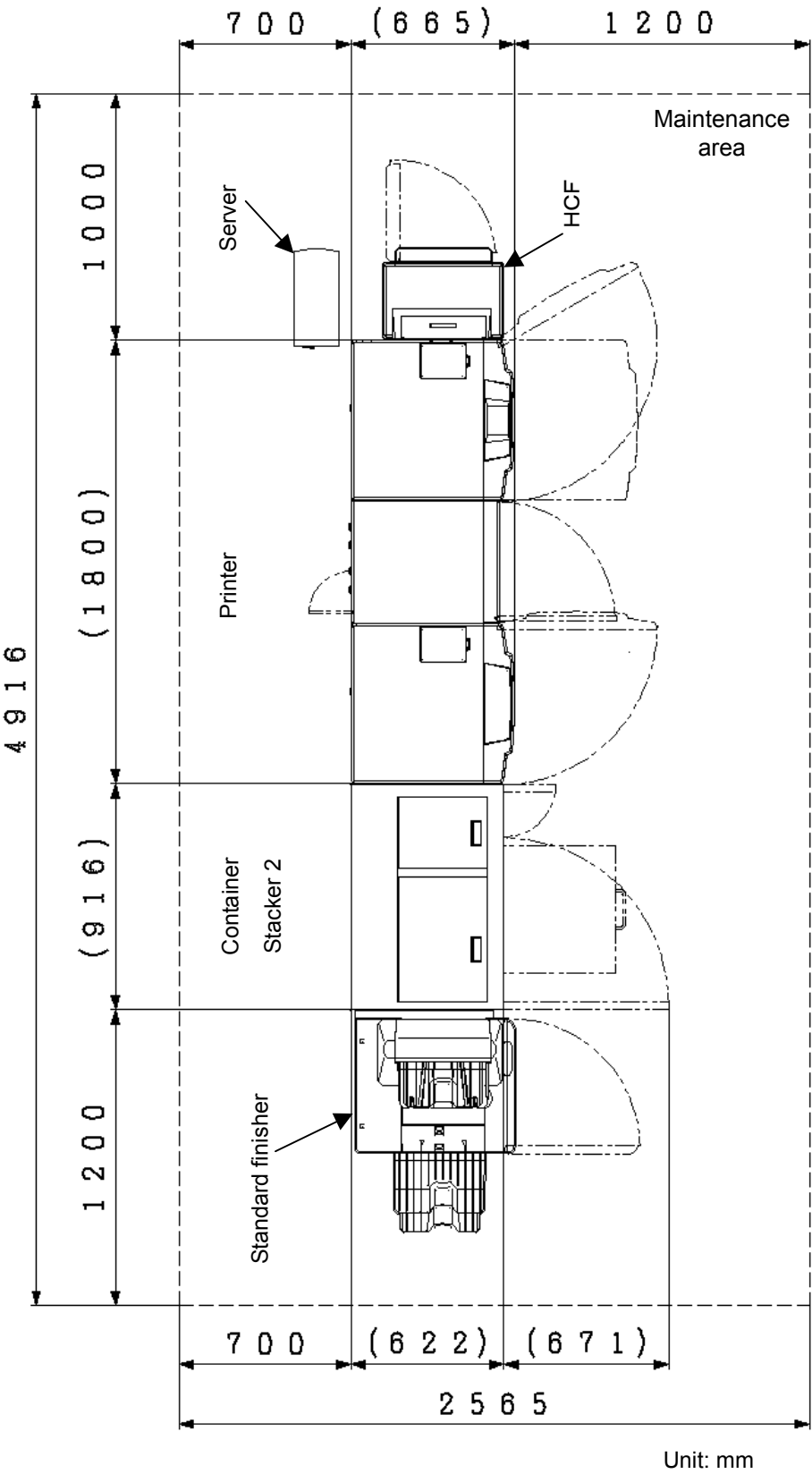
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(5) DDP184+Container Stacker 2(through path unit)+Container Stacker 1(sample tray)



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(6) DDP184+Container Stacker 2(through path unit)+Standard finisher



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Section 2. Preparation for Printing

2.1 Summary of this section

This section describes the following:

- Printer setting
- Preparation of stacker

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2.2 Printer setting

2.2.1 Short Stacking

You can set the limit of stack amount of the container stacker through the operator control panel (hereinafter called "OCP"). By enabling the stack amount limiting function, the printer detects "Paper Full" when the amount of paper becomes two-thirds of the original full amount of paper. The stack amount limiting function can be enabled or disabled according to the following procedure.

1. Select the **Finisher/ Short Stacking** menu. Then the following screen is displayed.

Stacking Mode Select Stacker	
5	Enabled
6	Disabled
7	Not Installed
8	Not Installed

◀

2. Select the icon of the desired stacker to switch the setting between "**Enabled**" or "**Disabled**" for the stack amount limiting function.

- (1) It is recommended to limit the stack amount to two-thirds of the full amount of paper for paper that may curl heavily (paper curl exceed 10 mm after printing).
- (2) It is recommended to limit the stack amount to two-thirds of the full amount of paper for large-sized paper such as A3 and ledger sized paper.

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2.2.2 Decurler function

The Decurler function has three (3) options:

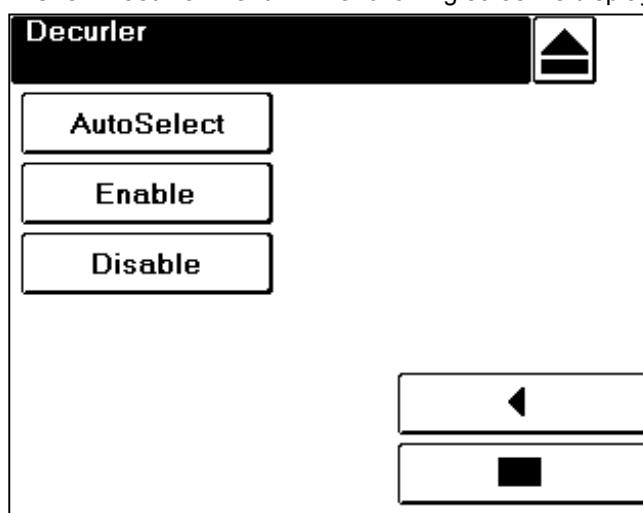
AutoSelect = The engine makes the decision to turn the Decurler ON or OFF depending upon the paper weight and mode (Simplex or Duplex) of printing.

Enable = Decurler is turned ON.

Disable = Decurler is turned OFF. This is the default setting.

The Decurler function of the Container Stacker can be set via the Operator Control Panel, as follows:

1. Select the **Finisher/ Decurler** menu. The following screen is displayed.



2. Select the icon.

Use the following table as reference:

Icon (Decurler mode)		Auto Select		Enable		Disable	
Print mode		Simplex	Duplex	Simplex	Duplex	Simplex	Duplex
Paper Weight (Bond)	Less than 28 lbs	On	Off	On	On	Off	Off
	28 lbs – 53 lbs	Off	Off	On (*1)	On (*1)	Off	Off

[NOTE]

1. On = Paper passes through the decurler path; Off = Paper bypasses the decurler path.
2. (*1) ; Paper exceeding 32lbs may not be fed through the decurler path.

(1) It is recommended not to select “**Enable**” when heavy paper exceeding 32 lbs is used.

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(2) Follow the instructions below in order to get good stacking.

- Check the characteristic of paper when using new paper whose characteristic is unknown.
- Check the paper curl by printing a few sheets with the decurler set to “**Disable**” mode before printing large volumes.
- Select the decurler mode according to the curl directions as shown in the table below.

Curl direction without decurler		Paper curl in		Decurler	Note
Up -ward		Simplex	Duplex	Disable	
		≤ 10	≤ 10		
		$10 <$	$10 <$		
		$10 <$	≤ 10	Auto	
		≤ 10	≤ 10	Disable	
		$10 <$	$10 <$	Enable	
Down -ward		$0 <$	$0 <$	Disable	<ul style="list-style-type: none"> • Turn the paper in the paper tray upside down. • Select short stack mode. (Section 2.2.1)
		$0 <$	$0 <$		
		$0 <$	$0 <$	Disable	<ul style="list-style-type: none"> • Turn the paper in the paper tray upside down. • Select short stack mode. (Section 2.2.1)
		$0 <$	$0 <$		

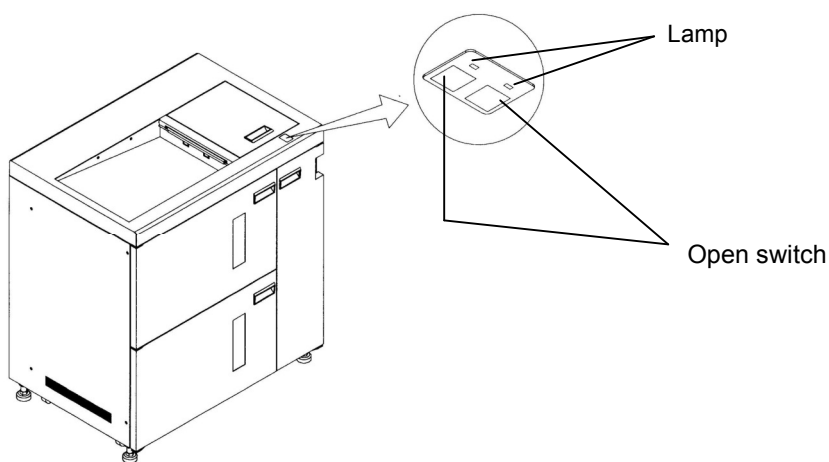
2.3 Preparation of stacker

Put the basket in the container beforehand. If you start printing without putting the basket, an error message “No Basket: Container xxx” is displayed on the OCP of the printer.

[NOTE]

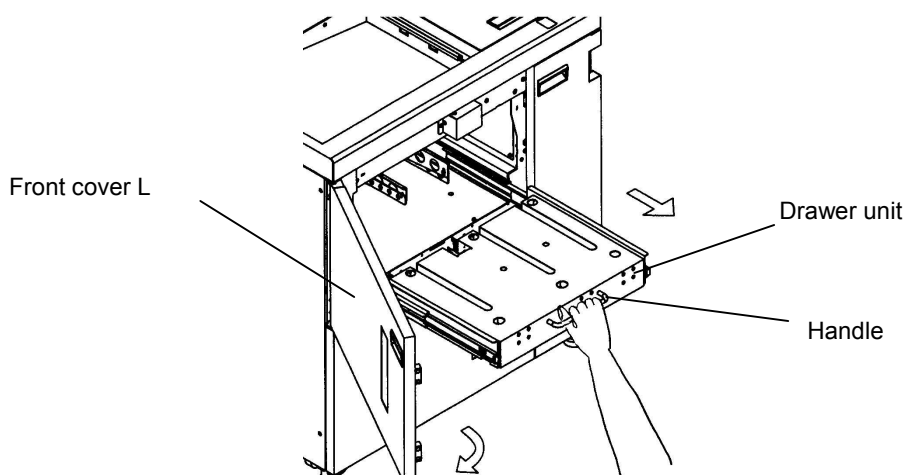
- It is impossible to output different sized forms in one basket.
- The front cover L is locked when the power switch is turned off or when the table is rising. Before opening the front cover, turn on the power switch and wait until the table lowers to the bottom.

1. Check that the lamp goes out.
2. Press the Open switch. Then the table lowers. (the lamp is fast blink)



3. Before opening the front cover L, wait until the table lowers the bottom. (the lamp is slow blink)

Hold the handle of the drawer unit and pull it forward.

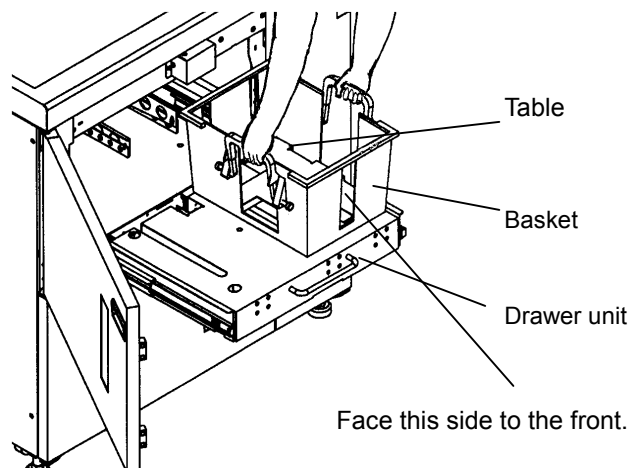


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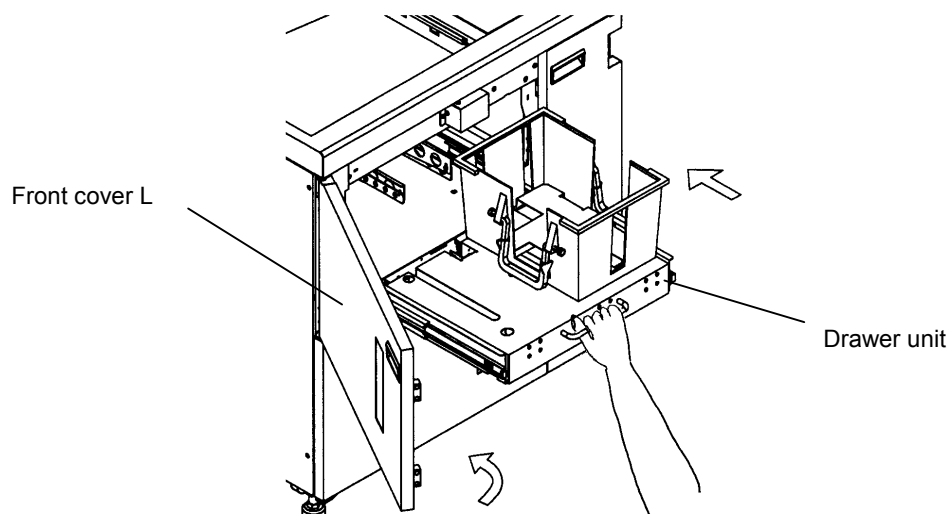
4. Load the basket on the drawer unit.

[NOTE]

- Load the basket in the correct direction.
Be sure to load the table in the basket.



5. Return the drawer unit to the original position and close the front cover L.



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Section 3. Removal of Paper

3.1 Summary of this section

This section describes the following:

- Removal of paper
- Removal of paper during printing

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3.2 Removal of paper

3.2.1 Container

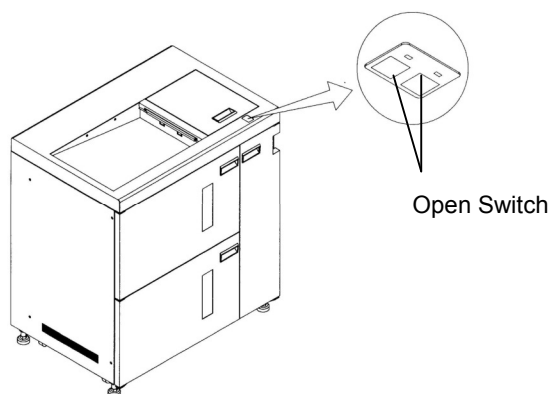
A message “Stacker xxx Full” is displayed on the OCP of the printer when the stacker is full of paper. Remove paper from the designated stacker. (The lamp is slow blink during full)

[NOTE]

- Paper are outputted to the stacker whose lamp is lighting.
The Front Cover L is locked and cannot be opened while the lamp is lighting.
- To remove Paper from the stacker whose lamp does not light (no output of paper), press the switch. Then the table starts lowering (the lamp is fast blink). Before opening the front cover, wait until the table lowers to the bottom (the lamp is slow blink).
- Pull the drawer unit gently so that the stack of paper is not collapsed.

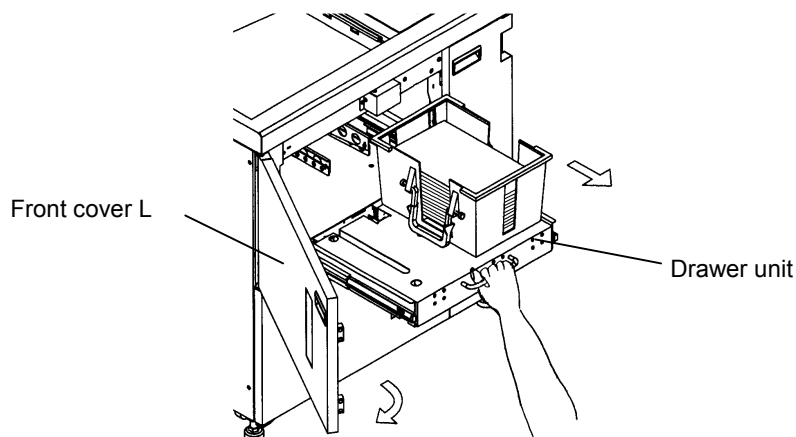
1500 sheets of paper can be outputted to both the upper and the lower stackers of each container stacker.

1. Check that the lamp is solid light.



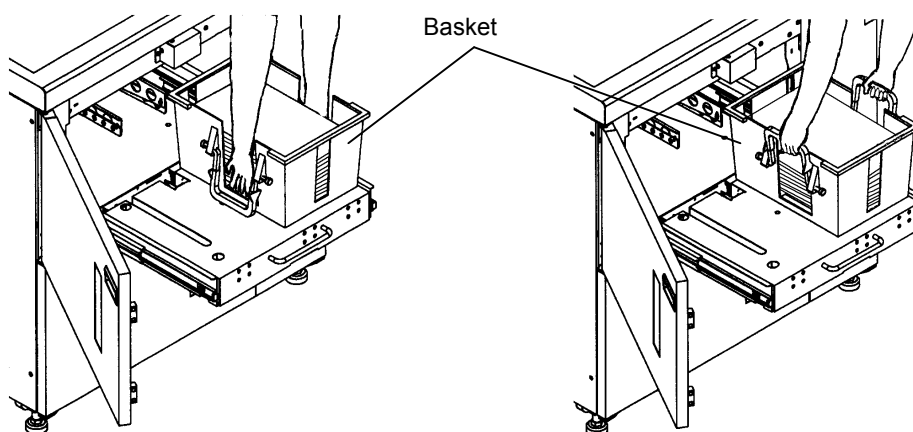
2. After press the Open switch, check that the table is lowered to the bottom (the lamp is slow blink).

Open the front cover L and pull the drawer unit forward gently.



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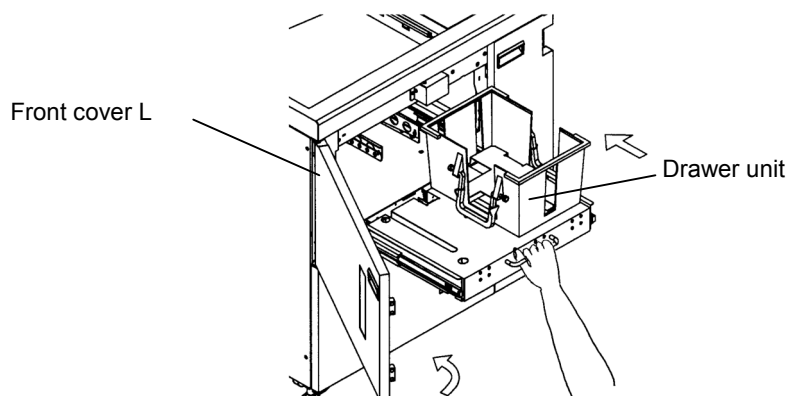
3. Remove paper from the basket.



⚠ CAUTION

Do not lift or move too heavy basket to avoid injury.

4. Gently push the drawer unit as far as it will go and close the front cover L.

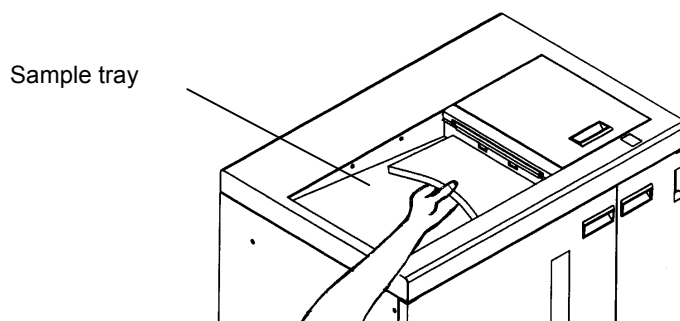


3.2.2 Sample tray

[NOTE]

- The sample tray has no sensor to detect "Paper Full". Do not stack over 100 sheets of paper to avoid paper jam.
- You can remove paper from the sample tray at any time. However, be careful not to interfere the operation when you remove paper from the sample tray during outputting. Otherwise, paper jam may occur.

1. Remove paper from the sample tray.



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3.3 Removal of paper during printing

Press the “OFFLINE/PAUSE” button on the OCP to remove paper during printing. Refer to section 3.2.1 for how to remove paper.

Press the “ONLINE” button on the OCP to resume printing. Refer to the user’s guide for details of each button on the OCP.

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Section 4. Maintenance

4.1 Summary of this section

This section describes the following:

- Cleaning

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4.2 Cleaning

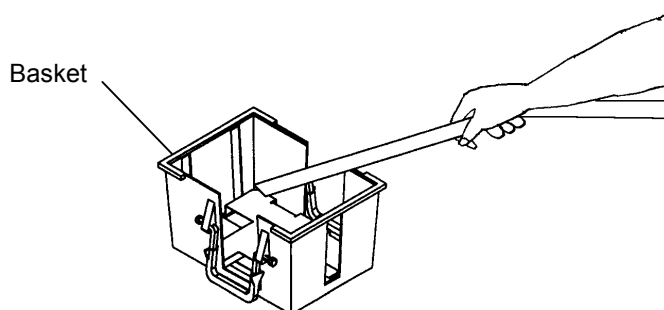
⚠ CAUTION

Move the table down to the lowermost position (the lamp is slow blink) and turn off the power switch before cleaning.

Tool required: Vacuum cleaner

Cleaning cycles: As necessary

1. Open the front cover L and pull the drawer unit. Remove paper if loaded in the basket.
2. Remove dust from the inside of the basket with a vacuum cleaner (be careful of the corners).



3. Put the table to the original position and close the front cover L.

⚠ CAUTION

Do not lift or move too heavy basket to avoid injury.

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Section 5. Troubleshooting

5.1 Summary of this section

This section describes the following:

- Recovery from paper jam
- Precautions

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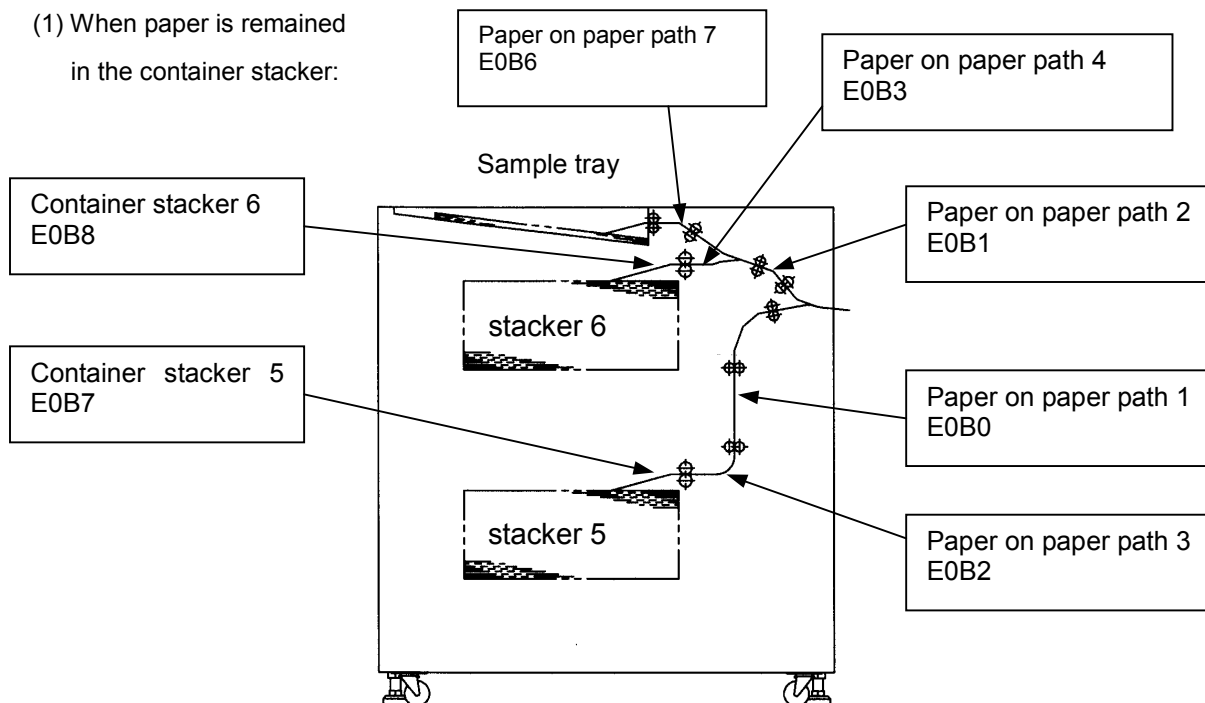
5.2 Recovery from paper jam

5.2.1 Locations of components and error codes

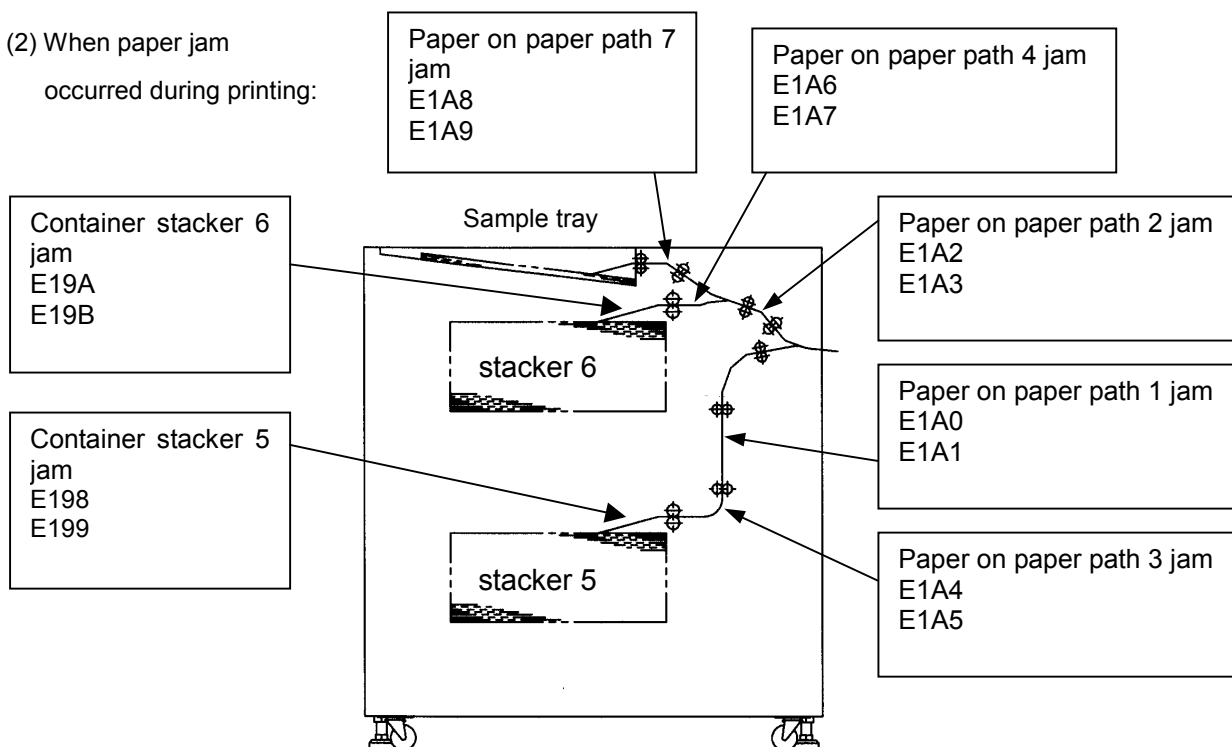
The components of the container stacker and the corresponding error codes are described below.

Container stacker 1 (sample tray)(standard model)

(1) When paper is remained
in the container stacker:



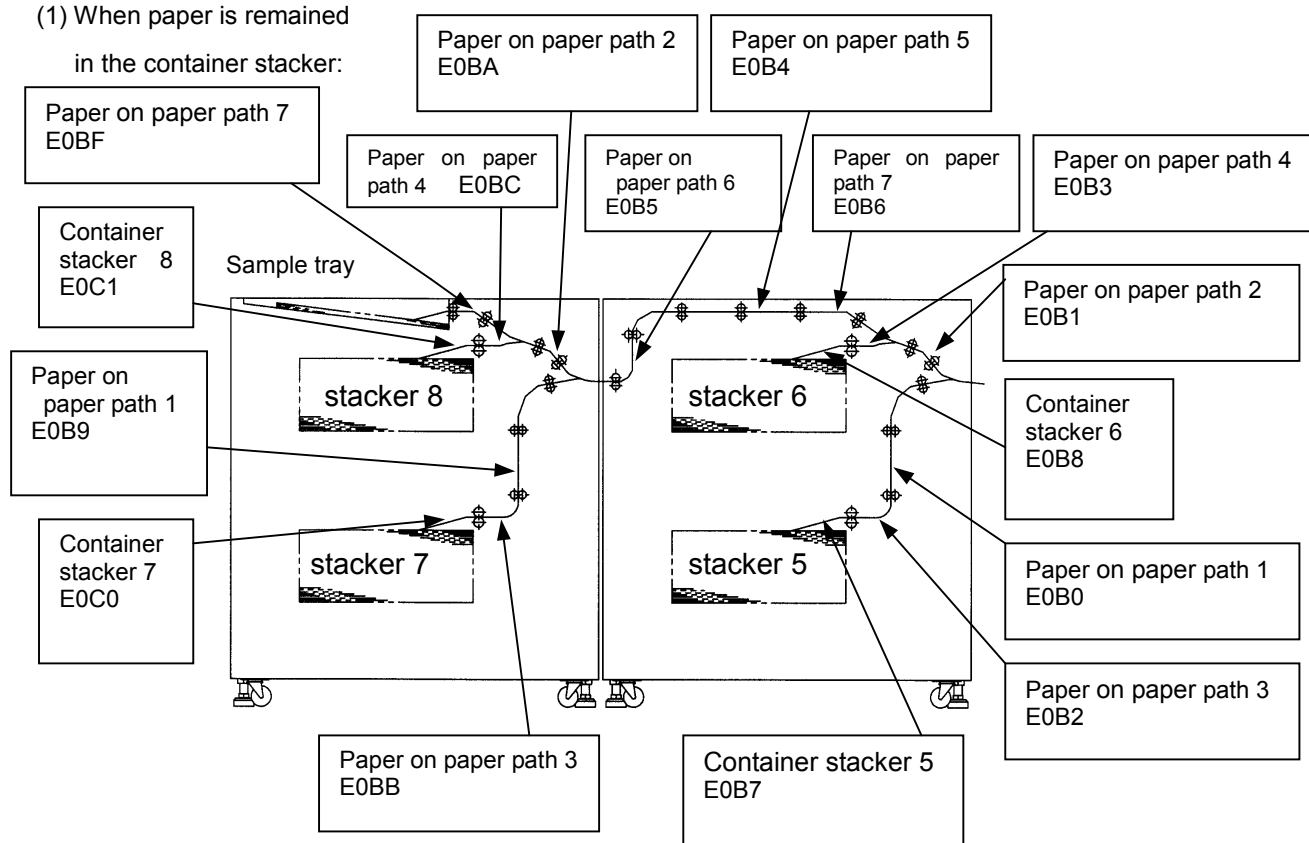
(2) When paper jam
occurred during printing:



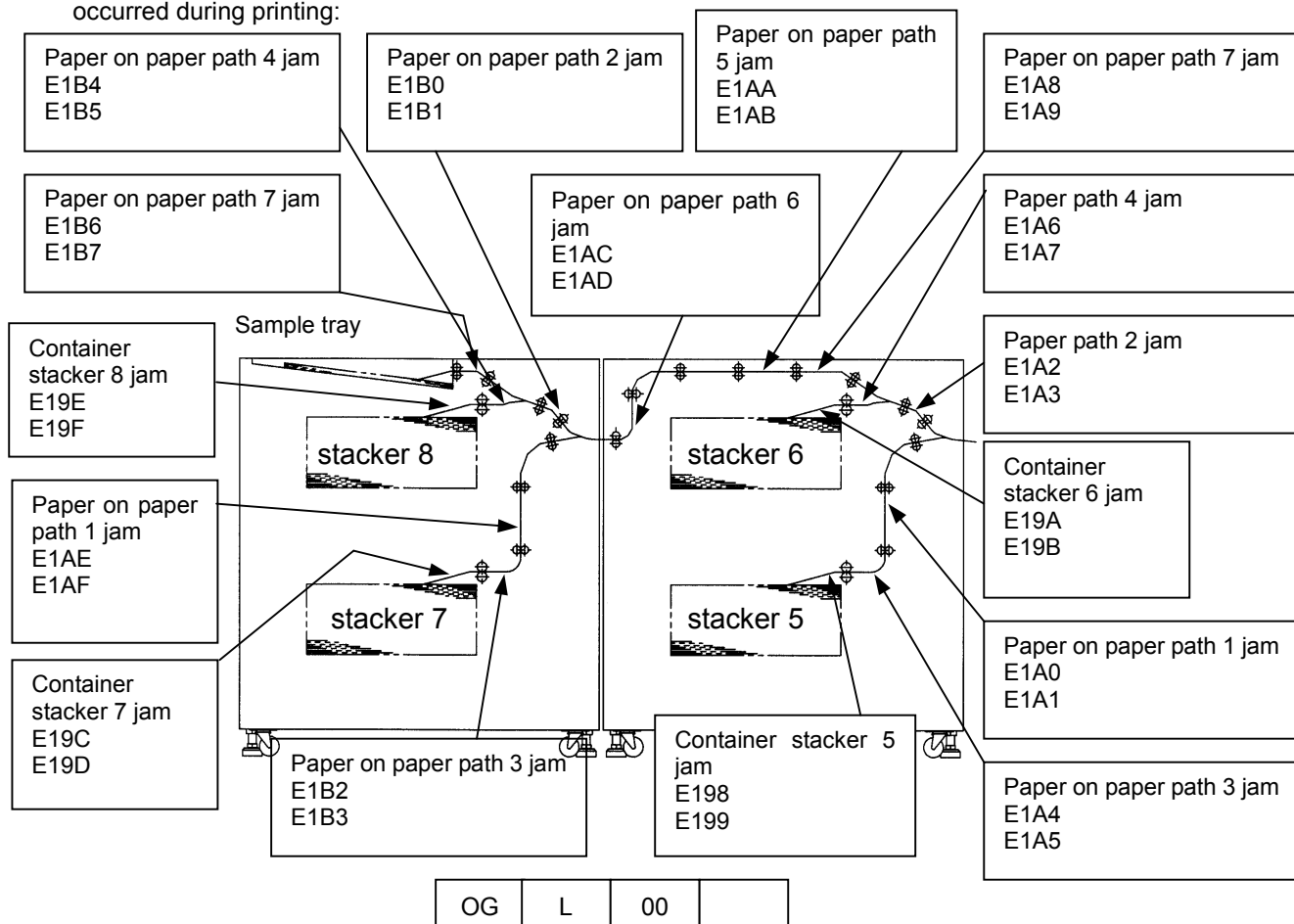
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Container stacker 1+Container stacker 2

(1) When paper is remained
in the container stacker:

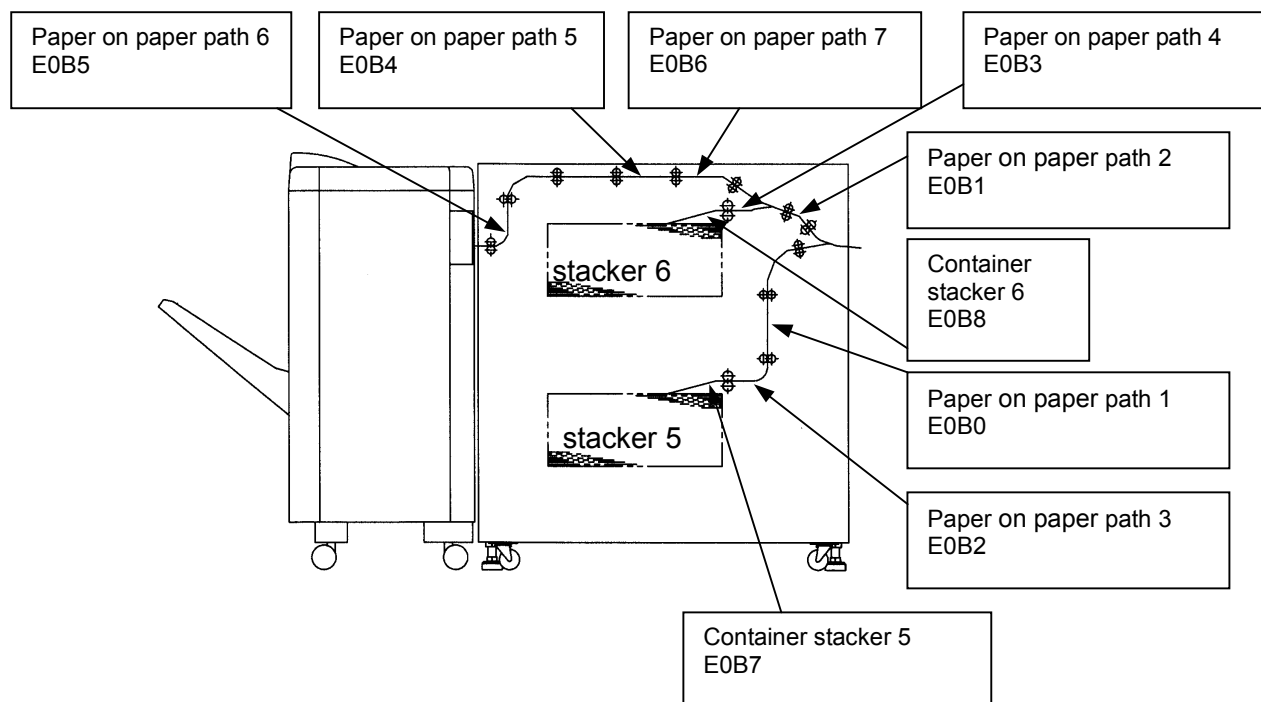


(2) When paper jam
occurred during printing:

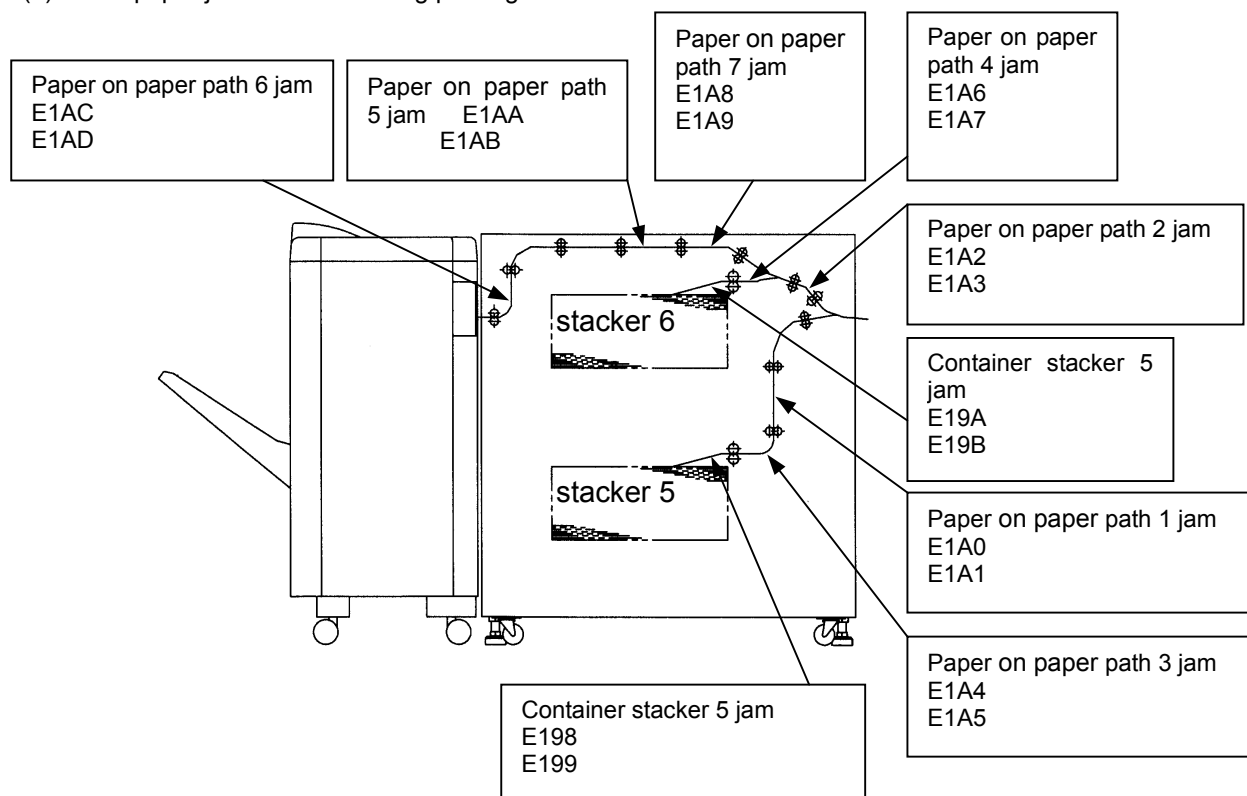


Container stacker 2+Standard finisher

(1) When paper is remained in the container stacker:



(2) When paper jam occurred during printing:

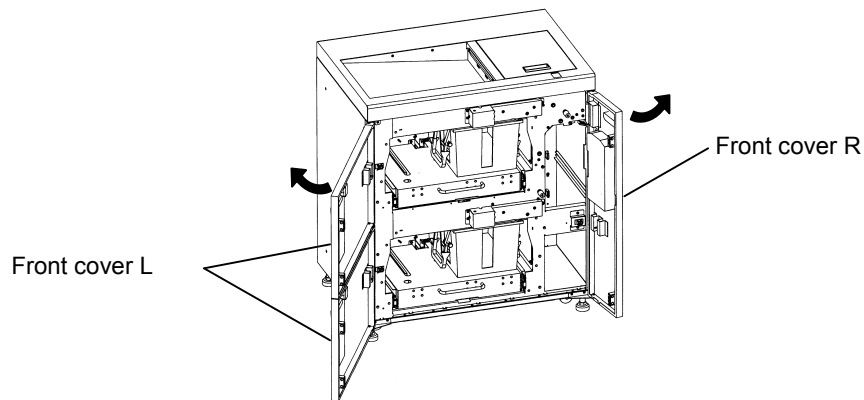


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5.2.2 Recovery form paper jam

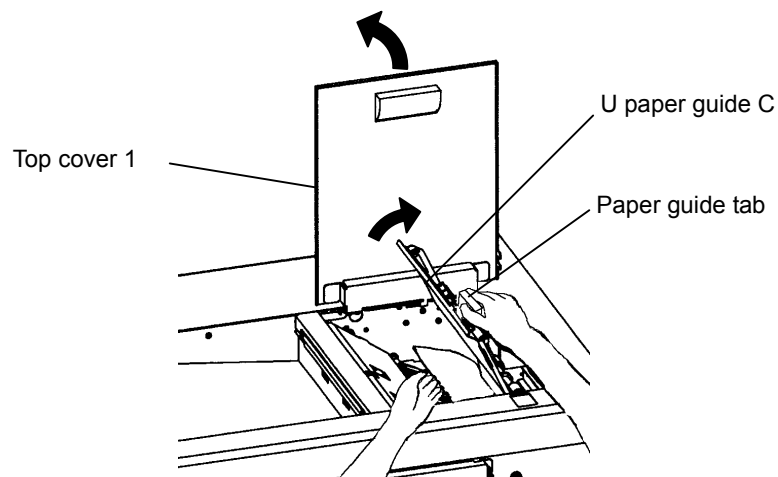
- Remove the paper jammed at the paper path 2 and 4 over the container stackers 1 and 2 according to the following procedure.

1. After press the open switch, check that the table is lowered to the bottom (the lamp is slow blink).
2. Open the Front cover L and then the Front cover R.

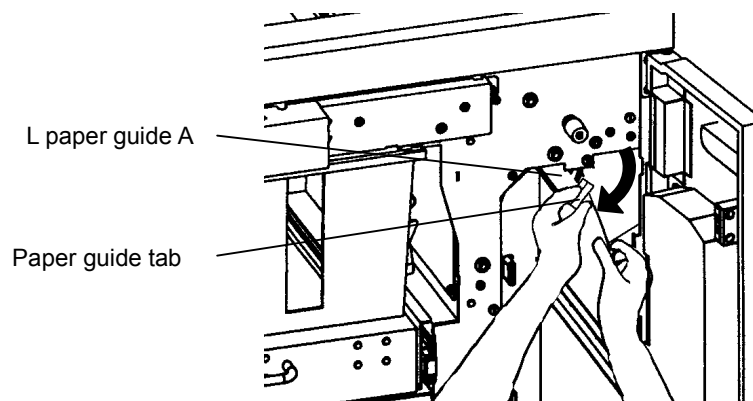


3. Open the Top cover 1.

Lift the paper guide tab upward and open the U paper guide C and remove the jammed paper.



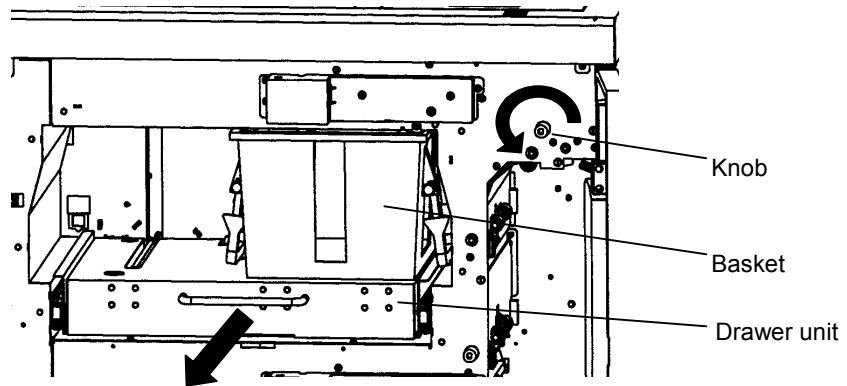
4. Open the L paper guide A using the paper guide tab and remove the jammed paper.



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5. Turn the knob to discharge the jammed paper to the basket.

Gently pull the drawer unit and remove the paper discharged to the basket.

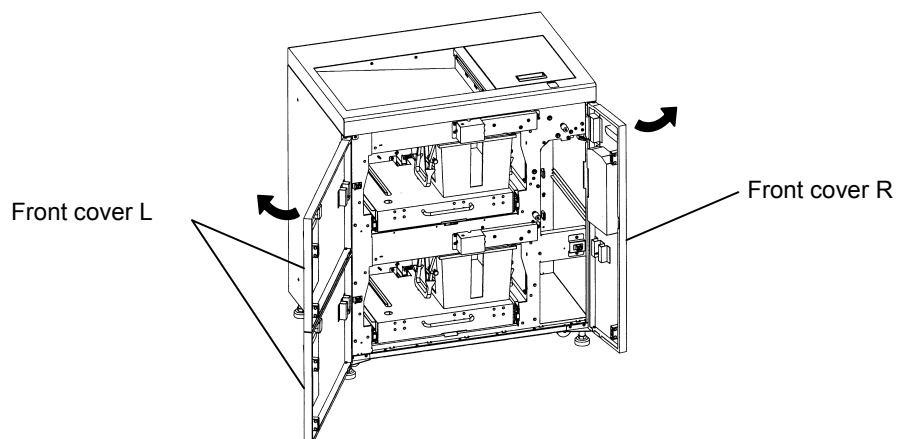


6. Push back the drawer unit and return the L paper guide A and the U paper guide to their original positions.
7. Close the top cover 1, front cover R and front cover L.

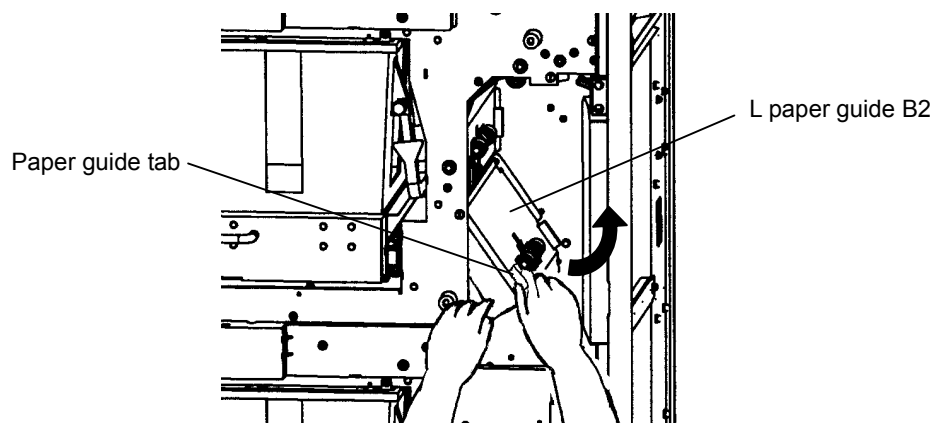
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- Remove the paper jammed at the paper path 1 and 3 under the container stackers 1 and 2 according to the following procedure.

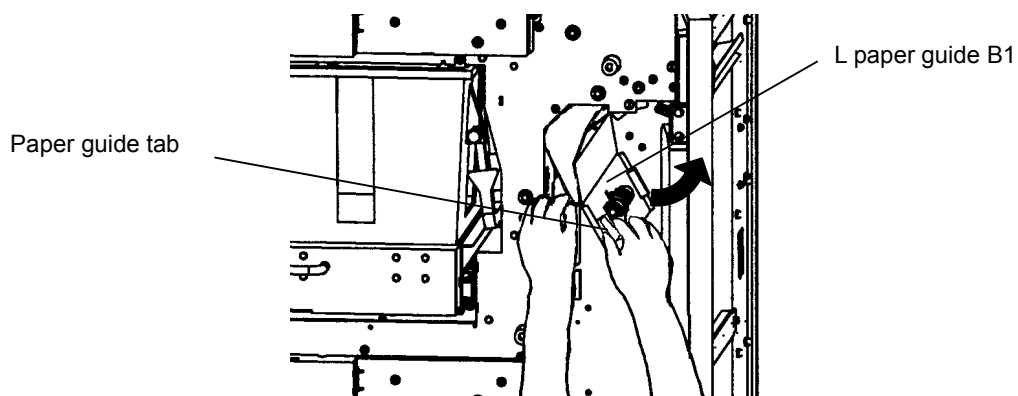
1. After press the open switch, check that the table is lowered to the bottom (the lamp is slow blink).
2. Open the Front cover L and then the Front cover R.



3. Open the L paper guide B2 using the paper guide tab and remove the jammed paper.

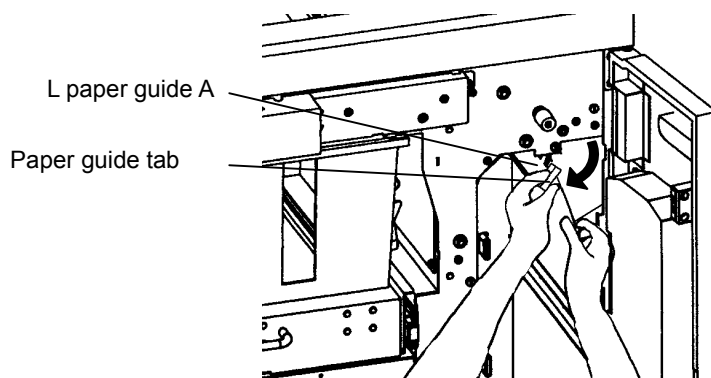


4. Open the L paper guide B1 using the paper guide tab and remove the jammed paper.



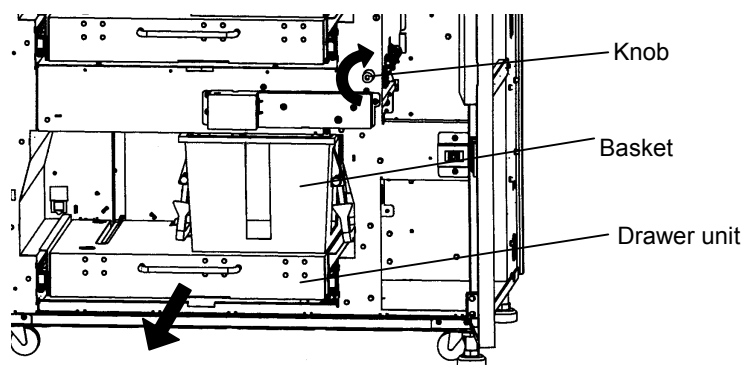
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5. Open the L paper guide A using the paper guide tab and remove the jammed paper.



6. Turn the knob to discharge the jammed paper to the basket.

Gently pull the drawer unit and remove the paper discharged to the basket.



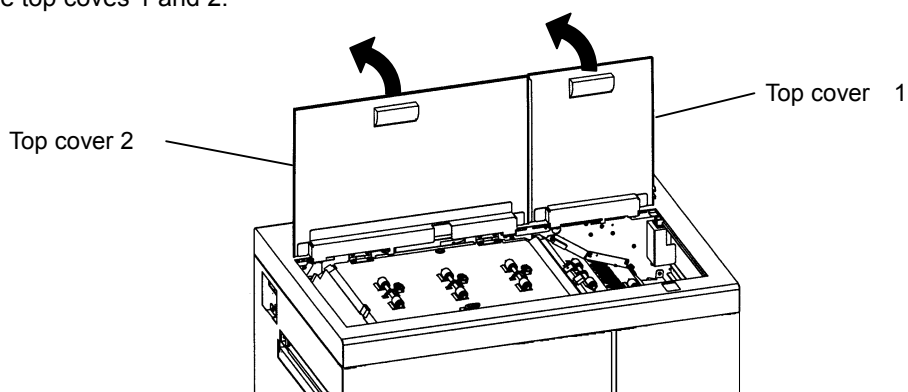
7. Push back the drawer unit and return the L paper guides A, B1 and B2 to their original positions.

8. Close the Front cover R and the Front cover L.

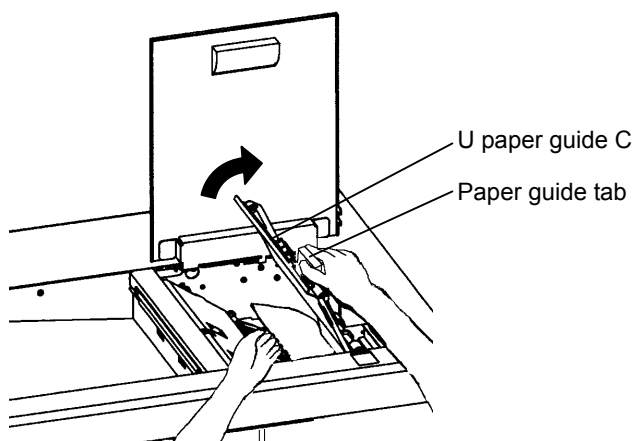
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- Remove the paper jammed at the paper path 5, 6 and 7 according to the following procedure.

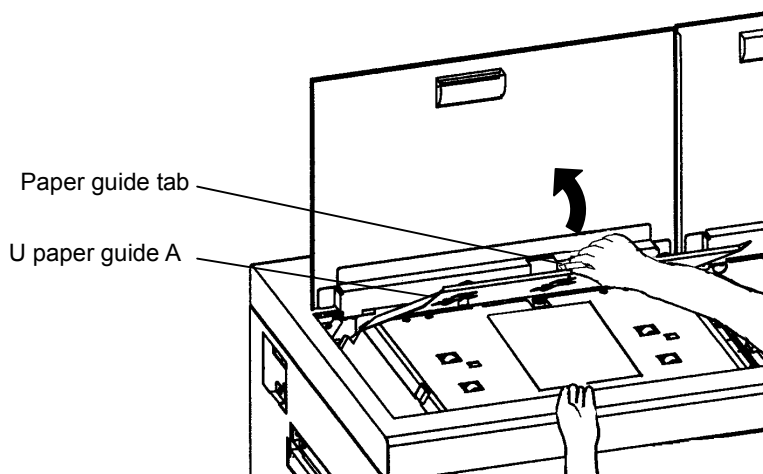
1. Open the top covers 1 and 2.



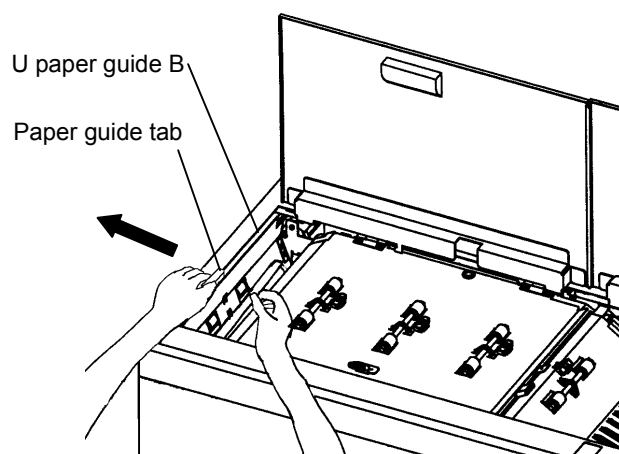
2. Lift the paper guide tab and open the U paper guide C to remove the jammed paper.



3. Lift the paper guide tab and open the U paper guide A to remove the jammed paper.



4. Open the U paper guide B using the paper guide tab and remove the jammed paper.



5. Return the U paper guides A, B and C to their original positions.
6. Close the top covers 1 and 2.

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5.3 Precautions

Observe the following precautions when using the container stacker:

- Gently push back the drawer when forms are remained in the basket at the time of recovery from paper jam. Otherwise, the stack of paper may be collapsed or the outputted paper may be improperly aligned or paper jam may be caused.
- Paper that are curled 10 mm or more after printing may not be stacked well.

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Appendix A. Specifications

A-1 Specifications of container stacker

Specifications are subject to change without notice.

Item	Specifications
Paper size (Container)	<ul style="list-style-type: none"> • Small basket A4(LEF), B5(LEF), letter(LEF), or custom (width: 182 to 305 mm, length: 182 to 216 mm) • Large basket A4(LEF/SEF), A3(SEF), B5(LEF/SEF), B4(SEF), letter(LEF/SEF), legal(SEF), ledger(SEF), or custom (width:182 to 305 mm, length: 182 to 432 mm) i) Different sized paper cannot be stacked in a basket. ii) 229 mm (9") or longer forms cannot be discharged using the face-up function.
Paper size (Sample tray)	A4, A3, B5, B4, letter, legal, ledger, tab paper (9x11"),or Custom (width: 182 to 305 mm, length: 182 to 457 mm)
Stacking capacity	Container stacker: 3,000 sheets (75g/m2)(1,500 sheets x 2 trays) Sample tray: 100 sheets (75g/m2)
Power supply	The printer supplies AC200 to 240 V. The power supply of the container stacker supplies DC 5V and DC 24V.
Power consumption	Mean operating power: 0.7 A (at AC230 V)
Environmental conditions	Temperature: 19 to 25°C Humidity: 40 to 60%
Dimensions	916 x 1008 x 622 mm (H x W x D)
Weight	Standard container stacker: Approximately 147 kg Add-on container stacker: Approximately 155 kg
Life time	Printing 30,000,000 pages or 5 years of use, either case that comes faster.

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